减速机专业制造商
专业研发团队、提供个性化定制服务





苏州城邦减速机选型手册

| 专业 | 品质 | 服务 | 共赢 |

PRODUCT CONFLUENCE 产品总汇

R系列斜齿轮硬齿面减速机
R Rigid tooth flank helical gear units



F系列平行轴斜齿轮减速机
F Parallel shaft helical gear units



K系列螺旋锥齿轮减速机
K Helical-bevel gear units



S系列斜齿—蜗轮蜗杆减速机
S Helical-bevel gear units



H.B系列硬齿面齿轮减速机
H.B Rigid toogh flank gear units



P系列硬齿面齿轮减速机
P Planetary gear units



T系列 螺旋锥齿轮减速机
T Sprial bevel gear units





HD系列 螺旋锥齿轮减速机
HD Sprial bevel gear units



摆线针轮减速机
Cycloidal reducer



SWL/JWM蜗杆升降机
SWL/JWM Series Worm screw rod lifter



行业专用减速机
Special reducer industry



各类非标减速机个性化定制



自动化机械模组研发制造

Company Profile 公司简介

苏州城邦减速电机制造有限公司是一家集减速机产品研发、生产制造、销售服务于一体的专业化企业。

企业实力——我们坚持服务入微，真诚至心，了解并且满足客户个性化的需求；我们坚持以真诚的沟通方式，对待客户的需求和期望，我们以诚擊之心相互支持，专心专注于减速机传动领域，精心为客户提升品牌文化价值。

主要产品——秉承“质量为上，服务优良，诚信经营”的方针，设计生产R系列斜齿轮减速机、S系列斜齿轮-蜗轮减速电机、F系列平行轴斜齿轮减速电机、K系列斜齿轮-伞齿轮减速机、摆线针轮减速机、涡轮丝杆升降机、RV系列蜗轮蜗杆减速机、P系列行星齿轮减速机、H/B系列工业齿轮箱等，以及千种规格的产品。

应用领域——产品可应用于冶金矿山、啤酒饮料、印染纺织、起重运输、筑路机械、计量计控、石油化工、仓储物流、木工机械、环保设备、印刷包装、粮油面粉、制药皮革、立体停车等众多领域。

我们将竭诚为您提供更精密、更高效、更易用的整体智能传动方案！



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产品选型信息：

客户：					
联系人		电话		销售员	
E-MAIL		传真		电　话	
地址				时　间	年　月　日
工作机	设备名称：				
额定功率：　kw		工作扭矩：　N.m		转速：　r/min	
日工作制：（1）≤ 0.5h（2）0.5–10h　（3）> 10h					
环境温度：　℃		海拔高度：　m		起动扭矩：　N.m	起动频率：　次/h
冲击载荷：（1）强烈冲击（2）中等冲击（3）轻微冲击（4）没有冲击				冲击载荷频率：　次/h	
安装空间（1）狭小空间　风速 ≤0.5m/s （2）大厅或大车间 风速 ≥1.4 m/s（3）室外 风速 ≥ 4 m/s			使用场合：(1) 普通　(2) 腐蚀　(3) 盐雾　(4) 粉尘		
原动机	原动机名称		原动机型号		
原动机描述（如功率、转速、制动等）					
电机型号：			类别：（1）普通电机（2）辊道电机（3）其他电机		
功能特性（可多选）：（1）制动（2）防爆（3）变频调速（4）其他					
参数及性能	电机功率：　KW		电机极数	基准频率：　Hz	
额定电压：　V	额定电流：　A		防护等级：	绝缘等级：	
其他： 注：用户自配电机时请提供电动机的联接尺寸图					
减速机要求	要求的产品系列：		安装型式（根据样本选取）		
输出轴方式：（1）单向实心轴（2）双向实心轴（3）平键空心轴（4）锁紧盘空心轴（5）内花键空心轴（6）外花键实心轴					
原动机与减速机的联接方式：（1）直联（无联接法兰）（2）直联（有联接法兰）（3）联轴器（4）皮带轮（5）链轮					
工作机与减速机的联接方式：（1）直联（2）齿轮（3）联轴器（4）皮带轮（5）链轮					
输出轴与输入轴之间的结构形式：（1）平行轴（2）直交轴（3）同轴					
电机接线盒位置（根据样本选取）：(1) Ⅰ (0°) (2) Ⅱ (270°) (3) Ⅲ (180°) (4) Ⅳ (90°) (5) Ⅴ (0°) (6) Ⅵ (270°) (7) Ⅶ (180°) (8) Ⅷ (90°)					
附件及其他要求：					
输入轴、输出轴法兰及锁紧盘方向：					
输入轴旋转方向①：			输出轴旋转方向①：		
输入轴外部径向力及作用点：					
输出轴外部径向力及作用点：					
输入轴外部轴向力及方向：			输出轴外部轴向力及方向：		
减速机的其他特殊要求：					
预选型号：					

①B、P..L、P..K型减速机必须填写，K系列只需填输出轴旋向，其他可不填。
②本选型信息表适用于S、R、F、K、H、B、P系列减速机。
注：请在数字下面打 √

轴端螺纹孔，配合公差，平键和键槽

Centre Holes in Shaft Ends, Fit tolerance and Parallel Key and Keyway

轴端螺纹孔 Centre holes in shaft end										mm
轴径 Φ d Diameter	≥16–21	>21–24	>24–30	>30–38	>38–50	>50–85	>85–130	>130 –225	>225 –320	>320 –500
螺孔尺寸 Screw	M6×12	M8×16	M10×20	M12×25	M16×35	M20×40	M24×50	M30×60	M36×70	M42×80

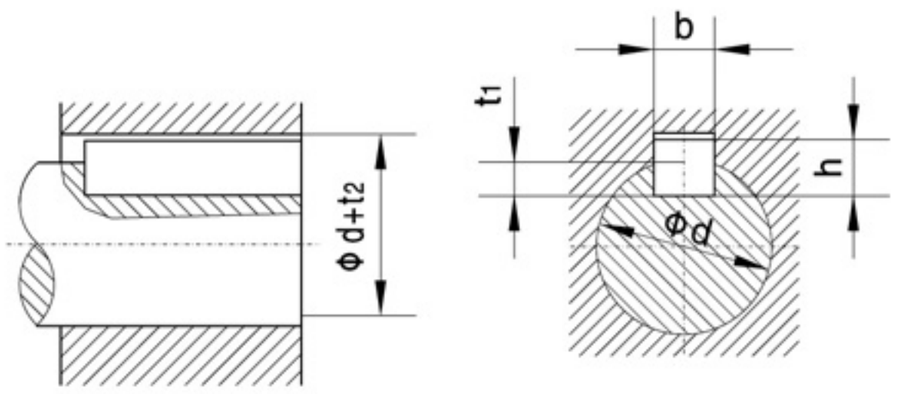
配合公差Selection of ISO Fits			
轴径 Shaft d /mm		轴径公差 Shaft tolerance	孔公差 Bore tolerance
	≤25	k6	H7
>25	≤100	m6	H7
>100		n6	H7

平键和键槽 Parallel key and keyway mm

平键紧固采用无锥度联接

平键和键槽根据GB/T1095-1979标准确定

Drive type fastening without taper action.
Parallel key and keyway acc. to GB/T1095-1979



直径 Diameter d	宽度 Width b	高度 Height h	轴键槽深度 Depth of keyway in shaft t_1	轮毂键槽深度 Depth of keyway in hub $d+t_2$
>8–10	3	3	1.8	d+1.4
>10–12	4	4	2.5	d+1.8
>12–17	5	5	3	d+2.3
>17–22	6	6	3.5	d+2.8
>22–30	8	7	4	d+3.3
>30–38	10	8	5	d+3.3
>38–44	12	8	5	d+3.3
>44–50	14	9	5.5	d+3.8
>50–58	16	10	6	d+4.3
>58–65	18	11	7	d+4.4
>65–75	20	12	7.5	d+4.9
>75–85	22	14	9	d+5.4
>85–95	25	14	9	d+5.4
>95–110	28	16	10	d+6.4
>110–130	32	18	11	d+7.4
>130–150	36	20	12	d+8.4
>150–170	40	22	13	d+9.4
>170–200	45	25	15	d+10.4
>200–230	50	28	17	d+11.4
>230–260	56	32	20	d+12.4
>260–290	63	32	20	d+12.4
>290–330	70	36	22	d+14.4
>330–380	80	40	25	d+15.4
>380–440	90	45	28	d+17.4
>440–500	100	50	31	d+19.4

性 能 特 点
Performance characteristics

- ❑ 产品采用了系列化、模块化的设计思想，有广泛的适应性，本系列产品有极其多的电机组合、安装位置和结构方案，传动比分级精细，转速型谱宽，满足不同的使用工况，实现机电一体化。
- ❑ R、K、F、S四大系列减速机采用单元结构模块化设计原理，大量减少了零部件种类和库存量，也大大的缩短了交货周期。部件通用性强，维护成本低，特别是生产线，只需备用内部几个传动件即可保证整线正常生产的维修保养。
- ❑ 减速器效率高达96%，振动小、噪音低、性能优越、密封性能好、可在有腐蚀、潮湿等恶劣环境中连续工作。
- ❑ 带筋的高刚性铸铁箱体，齿轮采用高耐磨优质合金材料并经特种热处理及精密磨齿加工，确保轴平行度和定位的精度，这一切构成了齿轮传动的完美结合。

- ❑ R series rigid tooth flank helical gear units, K series helical –bevel gear units, F series parallel shaft helical gear units, S series helical–worm gear units, T series spiral bevel gear units, have the advantages of small volume and big transmission torque.
- ❑ Designed and manufactured on the basis of modular combined system, the gear units have abundant combinations of motor, mounting positions and structure projects, the classifying class of transmission ratio is detailed, which meets the requirements of different working situation and realize mechatronics.
- ❑ R, K, F, S four main series gear units utilize the design principle of unit structure module, which reduces the categories and stocks of parts, and shortens the delivery period.
  High efficiency of drive, low consumption of power, and excellent performance.
- ❑ High rigidity cast iron housing with rib; the rigid tooth flank gear utilizes good–quality alloy steel, the surface is treated with carburizing quenching hardening treatment, refined processing of grounding, stable drive, low noise, big capacity of load, long using life.

选型指南
Guidelines for the selection

- ❑ 减速机是按载荷平稳，每天工作时间一定和少量起停次数的情况设计的，而在实际使用中往往不是处于此种理想状况，因此必须按照实际情况的载荷类型、运行时间、起动频率来确定工作机系数f_1、原动机系数f_2、起动系数f_3。使其小于或等于选型表中的服务系数f_B,即$f_1 \times f_2 \times f_3 \leqslant f_B$。或将工作机所需的转矩乘以服务系数（$f_1 \times f_2 \times f_3$）应小于或等于减速机的许用转矩。

  即 $T_N \geqslant T_2 \times f_1 \times f_2 \times f_3$

  f_1 — 工作机系数 (见表1)

  f_2 — 原动机系数 (见表2)

  f_3 — 起动系数 (见表3)

  T_2 — 工作机所需转矩

  T_N — 减速机许用转矩(见第32页)
- ❑ K系列和T系列螺旋锥齿轮减速机如果只承受单向载荷则最好注明旋转方向（从输出端方向看），这样有利于改善螺旋锥齿轮的受力状况。
- ❑ 我公司可承接特殊规格产品的订货，并可为客户提供专用设计服务。
- ❑ 随着技术进步，本公司产品设计和规格可能会有所更改，恕不另行通知。

- ❑ Gear units are designed under the circumstance of steady load, stated operating time per day and a few sarting times.but the practical condition will be not as perfect as the designed circumstance.so we must confirm driven machine factor f_1,prime mover factor f_2,starting factor f_3 according to actual load type, operating time,starting frequency.let it less than or equale to the service factor fb of selection table,viz $f_1 \times f_2 \times f_3 \leqslant f_B$.the needed torque of service machine multiply the service factor ($f_1 \times f_2 \times f_3$) should less than or equale to gear units' permissible torque.

  Viz $T_N \geqslant T_2 \times f_1 \times f_2 \times f_3$

  f_1 — driven machine factor(see table 1)

  f_2 — prime mover factor(see table 2)

  f_3 — starting factor(see table 3)

  T_2 — the needed torque of driven machine

  T_N — gear units' permissible torque(see page 32)
- ❑ If the K series and T series spiral bevel gear units can only bear single direction load, please indicate the rotating direction (see from output side), which is good for improving the pressing state of the spiral bevel gear.
- ❑ We accept the orders of products of special specification, and provide our customer with exclusive design service.
- ❑ Design and specifications are subject to change without notice, Please forgive

载 荷 类 型 表

表1	工 作 机 系 数				f1
工 作 机		日工作小时数			
		≤0.5h	0.5-10h	>10h	
污水处理	浓缩器(中心传动)	-	-	1.2	
	压滤器	1.0	1.3	1.5	
	絮凝器	0.8	1.0	1.3	
	曝气机	-	1.8	2.0	
	搂集设备	1.0	1.2	1.3	
	纵向、回转组合接集装置	1.0	1.3	1.5	
	预浓缩器	-	1.1	1.3	
	螺杆泵	-	1.3	1.5	
	水轮机	-	-	2.0	
	离心泵	1.0	1.2	1.3	
	1个活塞容积式泵	1.3	1.4	1.8	
	>1个活塞容积式泵	1.2	1.4	1.5	
挖泥机	斗式运输机	-	1.6	1.6	
	倾卸装置	-	1.3	1.5	
	Carteypillar行走机构	1.2	1.6	1.8	
	斗轮式挖掘机(用于捡拾)	-	1.7	1.7	
	斗轮式挖掘机(用于粗料)	-	2.2	2.2	
	切碎机	-	2.2	2.2	
	行走机构*		1.4	1.8	
弯板机*		-	1.0	1.0	
化学工业	挤压机	-	-	1.6	
	调浆机	-	1.8	1.8	
	橡胶研光机	-	1.5	1.5	
	冷却圆筒	-	1.3	1.4	
	混料机,用于均匀介质	1.0	1.3	1.4	
	混料机,用于非均匀介质	1.4	1.6	1.7	
	搅拌机,用于密度均匀介质	1.0	1.3	1.5	
	搅拌机,用于非均匀介质	1.2	1.4	1.6	
	搅拌机,用于不均匀气体吸收	1.4	1.6	1.8	
	烘炉	1.0	1.3	1.5	
	离心机	1.0	1.2	1.3	
金属加工设备	翻板机	1.0	1.0	1.2	
	推钢机	1.0	1.2	1.2	
	绕线机	-	1.6	1.6	
	冷床横移架	-	1.5	1.5	
	辊式矫直机	-	1.6	1.6	
	辊道(连续式)	-	1.5	1.5	
	辊道(间歇式)	-	2.0	2.0	
	可逆式轧管机	-	1.8	1.8	
	剪切机(连续式)*	-	1.5	1.5	
	剪切机(曲柄式)*	1.0	1.0	1.0	
	连铸机驱动装置	-	1.4	1.4	
	可逆式开坯机	-	2.5	2.5	

工 作 机		日工作小时数		
		≤0.5h	0.5-10h	>10h
金属加工设备	可逆式板坯轧机	-	2.5	2.5
	可逆式线材轧机	-	1.8	1.8
	可逆式薄板轧机	-	2.0	2.0
	可逆式中厚板轧机	-	1.8	1.8
	辊缝调节驱动装置	0.9	1.0	-
输送机械	斗式输送机	-	1.2	1.5
	绞车	1.4	1.6	1.6
	卷扬机		1.5	1.8
	皮带输送机<150kw	1.0	1.2	1.3
	皮带输送机≥150kw	1.1	1.3	1.5
	货用电梯*	-	1.2	1.5
	客用电梯*		1.5	1.8
	刮板式输送机	-	1.2	1.5
	自动扶梯		1.2	1.4
	轨道行走机构	-	1.5	-
变频装置		-	1.8	2.0
往复式压缩机		-	1.8	1.9
起重机械	回转机构	2.5	2.5	3.0
	俯仰机构	2.5	2.5	3.0
	行走机构	2.5	3.0	3.0
	提升机构	2.5	2.5	3.0
	转臂式起重机	2.5	2.5	3.0
冷却塔	冷却塔风扇	-	-	2.0
	风机(轴流和离心式)	-	1.4	1.5
蔗糖生产	甘蔗切碎机*	-	-	1.7
	甘蔗碾磨机	-	-	1.7
甜菜糖生产	甜菜绞碎机	-	-	1.2
	榨取机,机械致冷机,蒸煮机	-	-	1.4
	甜菜清洗机	-	-	1.5
	甜菜切碎机	-	-	1.5
造纸机械	各种类型**	-	1.8	2.0
	碎浆机驱动装置	2.0	2.0	2.0
离心式压缩机		-	1.4	1.5
索道缆车	运货索道	-	1.3	1.4
	往返系统空中索道	-	1.6	1.8
	T型杆升降机	-	1.3	1.4
	连续索道	-	1.4	1.6
水泥工业	混凝土搅拌器	-	1.5	1.5
	破碎机*	-	1.2	1.4
	回转窑	-	-	2.0
	管式磨机	-	-	2.0
	选粉机	-	1.6	1.6
	辊压机	-	-	2.0

工作机额定功率P_2的确定　　*)按最大扭矩确定额定功率.　　**)检验热功率是绝对必要的.

表 2	原动机系数	f2
电机,液压马达,汽轮机		1.0
4-6缸活塞发动机		1.25
1-3缸活塞发动机		1.5

表 3	起动系数			f3
f3 / f1xf2 / 每小时起动次数	1	1.25 -1.75	2- 2.75	≥3
≤5	1	1	1	1
6-25	1.2	1.12	1.06	1
26-60	1.3	1.2	1.12	1.06
61-180	1.5	1.3	1.2	1.12
>180	1.7	1.5	1.3	1.2

Gear Units Service Factor

Table 1		Factor for driven machine			f1				
Driven machines		Effective daily operating period under load in hours			Driven machines		Effective daily operating period under load in hours		
		⩽0.5h	0.5-10h	>10h			⩽0.5h	0.5-10h	>10h
Waste water treatment	Thickeners(central drive)	-	-	1.2	Metal working mills	Reversing slabbing mills	-	2.5	2.5
	Filter presses	1.0	1.3	1.5		Reversing wire mills	-	1.8	1.8
	Flocculation apparata	0.8	1.0	1.3		Reversing sheet mills	-	2.0	2.0
	Aerators	-	1.8	2.0		Reversing plate mills	-	1.8	1.8
	Raking equipment	1.0	1.2	1.3		Roll adjustment drives	0.9	1.0	-
	Combined longitudinal and rotary rakes	1.0	1.3	1.5	Conveyors	Bucket conveyors	-	1.2	1.5
	Pre-thickeners	-	1.1	1.3		Hauling winches	1.4	1.6	1.6
	Screw pumps	-	1.3	1.5		Hoists		1.5	1.8
	Water turbines	-	-	2.0		Belt conveyors <150 kw	1.0	1.2	1.3
	Centrifugal pumps	1.0	1.2	1.3		Belt conveyors ⩾150 kw	1.1	1.3	1.5
	1piston positive-displacement pumps	1.3	1.4	1.8		Goods lifts *	-	1.2	1.5
	>1piston positive-displacement pumps	1.2	1.4	1.5		Passenger lifts *		1.5	1.8
Dredgers	Bucket conveyors	-	1.6	1.6		Apron conveyors	-	1.2	1.5
	Dumping devices	-	1.3	1.5		Escalators		1.2	1.4
	Carterpillar travelling gears	1.2	1.6	1.8		Rail travelling gears	-	1.5	-
	Bucket wheel excavators as pick-up	-	1.7	1.7	Frequency converters		-	1.8	2.0
	Bucket wheel excavators for primitive material	-	2.2	2.2	Reciprocating compressors		-	1.8	1.9
	Cutter heads	-	2.2	2.2	Cranes	Slewing gears	2.5	2.5	3.0
	Traversing gears *		1.4	1.8		Luffing gears	2.5	2.5	3.0
Plate bending machines *		-	1.0	1.0		Travelling gears	2.5	3.0	3.0
Chemical industry	Extruders	-	-	1.6		Hoisting gears	2.5	2.5	3.0
	Dough mills	-	1.8	1.8		Derricking jib cranes	2.5	2.5	3.0
	Rubber calenders	-	1.5	1.5	Cooling towers	Cooling tower fans	-	-	2.0
	Cooling drums	-	1.3	1.4		Blowers(axial and radial)	-	1.4	1.5
	Mixers for uniform media	1.0	1.3	1.4	Cane sugar production	Cane knives *	-	-	1.7
	Mixers for non-uniform media	1.4	1.6	1.7		Cane mills	-	-	1.7
	Agitators for media with uniform density	1.0	1.3	1.5	Beet sugar production	Beet cossettes macerators	-	-	1.2
	Agitators for media with non-uniform density	1.2	1.4	1.6		Extraction plants,Mechanical refrigerators,Juice boilers,	-	-	1.4
	Agitators for media with non-uniform gas absorption	1.4	1.6	1.8		Sugar beet washing machines	-	-	1.5
	Toasters	1.0	1.3	1.5		Sugar beet cutters	-	-	1.5
	Centrifuges	1.0	1.2	1.3	Paper machines	Of all-kind **	-	1.8	2.0
Metal working mills	Plate tilters	1.0	1.0	1.2		Pulper drives	2.0	2.0	2.0
	Ingot pushers	1.0	1.2	1.2	Centrifugal compressors		-	1.4	1.5
	Winding machines	-	1.6	1.6	Cableways	Material ropeways	-	1.3	1.4
	Cooling bed transfer frames	-	1.5	1.5		To-and fro system aerial ropeways	-	1.6	1.8
	Roller straighteners	-	1.6	1.6		T-bar lifts	-	1.3	1.4
	Roller tables continuous	-	1.5	1.5		Continuous ropeways	-	1.4	1.6
	Roller tables intermittent	-	2.0	2.0	Cement industry	Concrete mixers	-	1.5	1.5
	Roller tables Reversing tube mills	-	1.8	1.8		Breakers *	-	1.2	1.4
	Shears continuous *	-	1.5	1.5		Rotary kilns	-	-	2.0
	Shears crank type *	1.0	1.0	1.0		Tube mills	-	-	2.0
	Continuous casting drivers	-	1.4	1.4		Separators	-	1.6	1.6
	Reversing blooming mills	-	2.5	2.5		Roll crushers	-	-	2.0

Design for power rating of driven machine P_2 *)Designed power corresponding to max.torque.

**)A check for thermal capacity is absolutely essential.

Table 2 Factor for prime mover	f2
Electric motors,hydraulic motors,turbines	1.0
Piston engines 4-6 cylinders	1.25
Piston engines 1-3 cylinders	1.5

Table 3 Start factor				f3
f_3 / $f_1 x f_2$ / Starts per hour	1	1.25 -1.75	2- 2.75	⩾3
⩽5	1	1	1	1
6-25	1.2	1.12	1.06	1
26-60	1.3	1.2	1.12	1.06
61-180	1.5	1.3	1.2	1.12
>180	1.7	1.5	1.3	1.2

注意事项：

- ❑ 样本中的结构图和外形附图只属范例，并不要求严格一致；若需严格的外形及尺寸可向我们索取您所选定型号规格的CAD光盘。
- ❑ 样本中外形尺寸单位全部是毫米 (mm)。
- ❑ 所注重量和油量仅为平均值，并不要求严格一致。
- ❑ 传动能力表中只有4、6、8极电机的平均或同步转速值，准确的输出转速应以电机额定转速或输入转速除以精确或实际减速比。尺寸图表中的电机尺寸以所配电机规格确定。电机接线盒位置若有要求，订货时需标注确认。电机代号见附录部分。
- ❑ 为防止发生事故，所有旋转部件均应根据国家和当地安全规定加防护罩。
- ❑ 传动箱供货时带径向油封，其它要求另行说明。
- ❑ 传动箱供货时，铸件外表喷涂兰色或灰色油漆，铝合金外表喷涂银白色平面漆，要求其它色彩或特种油漆需注明。
- ❑ 通气帽、放油孔、油镜或油尺位置出厂时按公司图纸标准，指定位置订货时必需另行说明。
- ❑ 本说明书中的所有减速机都可以正反运转（除配单向逆止器外），书中只表示一个输入旋转方向；另一个旋转方向输入时，输出方向也将改变。输出轴的旋转方向与内部结构和输入旋转方向有关，斜齿轮与减速级有关，螺旋锥齿轮与相对装配位置有关，蜗轮箱与蜗杆螺旋旋转方向有关。
- ❑ 试车之前，必需认真阅读使用说明书。
- ❑ 传动箱供货时已作好运行准备，只是未加入润滑油。
- ❑ 减速机空心轴带收缩盘、花键轴、电机座和伺服电机联接法兰及逆止器，带强制风扇、润滑冷却及控制部分等装置另行咨询。
- ❑ 本选型手册仅提供标准产品内容，行业专用或特殊规格另行咨询。
- ❑ 传动能力表中有关最大允许直联电机功率是相对于4极电机的功率。

Notes:

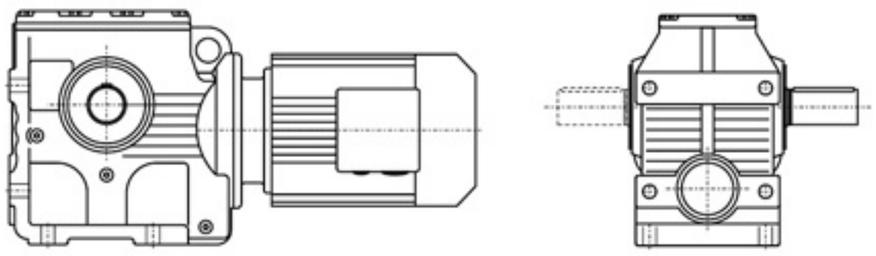
- ❑ Structure drawings and outline pictures attached in this catalog are regarded as examples with no strict accordance with products. The exact CAD drawing and dimension of certain types can be offered.
- ❑ The unit of dimension is millimeter (mm).
- ❑ Labeled weight and oil capacity are not exact but average.
- ❑ There are only average speed of 4, 6, 8 pole motor in transmission capacity table, exact speed is motor speed divided by exact ration. Motor size in dimension table is determined by motor type. Special requirements on terminal box of motor should be specified when placing an order. Motor types can be referred to Appendix.
- ❑ To avoid accident, all rotative components must be installed dust hood complying with national and regional safety regulations.
- ❑ Charge-free radial seals will be added on delivery, please state if other requirements.
- ❑ Iron-cast surface is sprayed blue or gray paint, Aluminum-die-cast surface silver, Other colors or special lacquer will be specified.
- ❑ Location of breather valve, oil drain plug, oil level plug and oil dipstick is subject to our drawings of different types. Special requirement will be stated when ordering.
- ❑ All reducers can rotate on both opposite directions (except installation of backstop) in this catalog, and only one input direction is marked, the input direction changed into the opposite will cause the change of output direction. The output direction relates to inner structure and input direction, to number of stages of helical gears, to relative position of spiral gears, to the rotation direction of worm in worm gear units.
- ❑ Please read the catalog before running the reducer.
- ❑ Gear units have been debugged, but lubrication will be added before running.
- ❑ Shrink disk, involute spline, motor base, flange and backstop connected with servo motor, cooling fan, lubrication cooling and controller will be specified when needed. We will offer reference.
- ❑ Please consult us for special products because all information in this catalog is subject to general standards.
- ❑ Maximum motor power in transmission capacity table is of 4-pole electric motor.

代号说明 SYMBOL SPECIFICATION

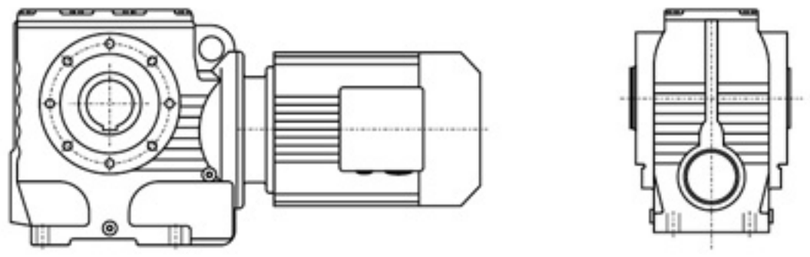
代 号 Symbol	说 明	Specification	单 位 Unit
i	实际减速比	Actual ratio	/
iN	公称减速比	Nominal ratio	
iex	精确减速比	Exact ratio	
T2	输出扭矩	Output torque	N · m
T2N	额定输出扭矩	Rated output torque	
TA	峰值扭矩	Max. Torque occurring on input shaft, e.g. Peak operating,starting or braking torque	
Tn2atmax	在最高转速时的额定输出扭矩	Nominal output torque at highest speed	
Tn2atmin	在最低转速时的额定输出扭矩	Nominal output torque at lowest speed	
P1N	减速机额定输入功率	Rated input power	kW
PG	热容量功率	Thermal capacity pwoer	
P1	输入功率	Input power	
P2	输出功率	Output power	
t	环境温度	Ambient temperature	℃
f1	被驱动设备系数	Driven machine factor	/
f2	原动机系数	Drives factor	
ft	环境温度系数	Temperature factor	
n1	输入转速	Input speed	r/min
nm	电机转速	Motor speed	
n2N	公称输出转速	Nominal output speed	
n2	输出转速	Output speed	
Fr1	输入轴额定径向力	Nominal radial force on input shaft	N
Fr2	输出轴额定径向力	Nominal radial force on output shaft	
Fa	输出轴额定轴向力	Nominal axial force on output shaft	
η	效率	Efficiency	/
f	电机频率	Motor ferquency	Hz
Vmot	电机电压	Motor voltage	V
Vbrake	制动器电压	Braker voltage	



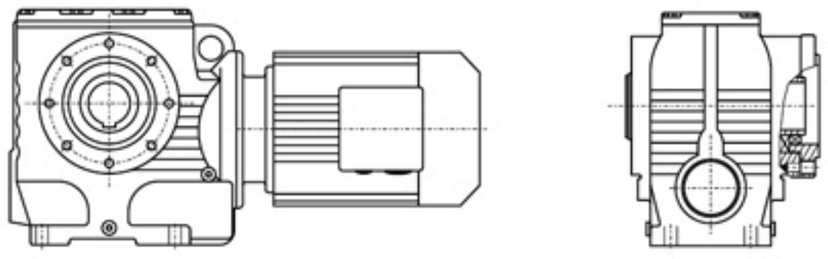
S系列减速机有以下设计方案：
S series gear units are available in the following designs:



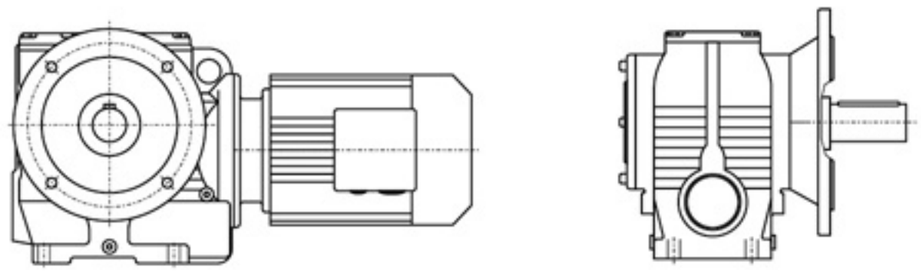
S..Y..
底脚轴伸式安装斜齿-蜗轮蜗杆减速机
Foot-mounted helical-worm gear units with solid shaft



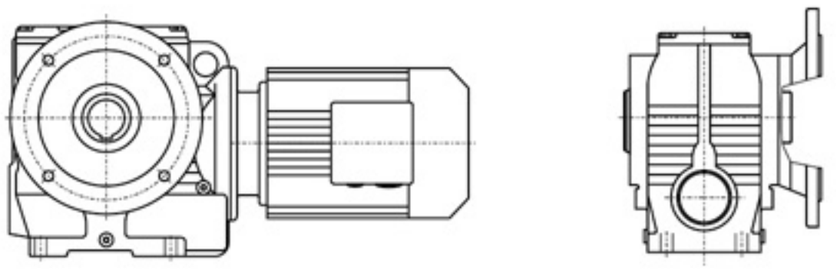
SA...Y...
空心轴安装斜齿-蜗轮蜗杆减速机
Helical-worm gear units with hollow shaft



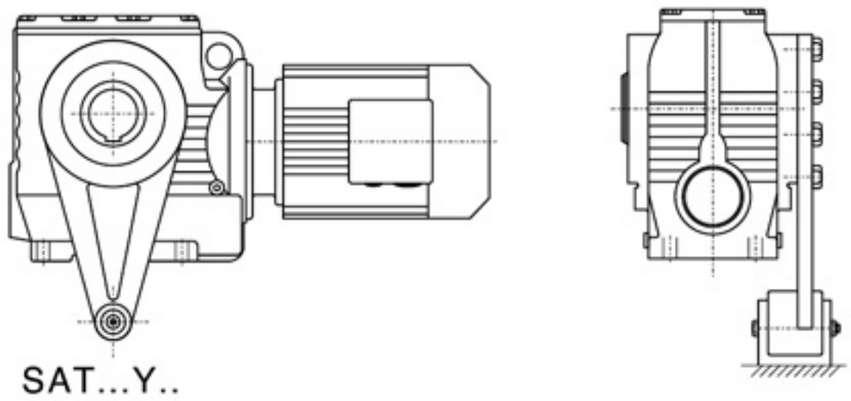
SAZ...Y...
小法兰空心轴安装斜齿-蜗轮蜗杆减速机
Short-flange mounted helical-worm gear units with hollow shaft



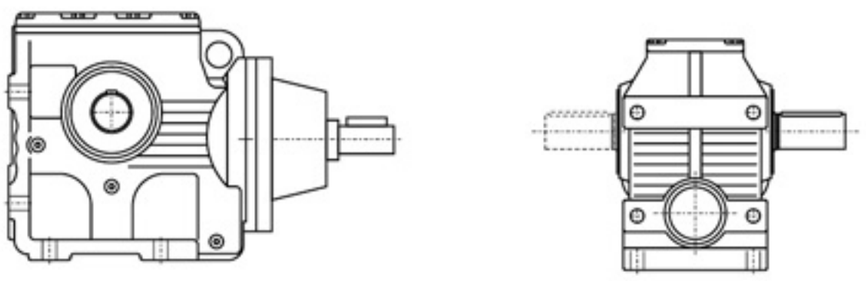
SF...Y..
法兰轴伸式安装斜齿-蜗轮蜗杆减速机
Flange-mounted helical-worm gear units with solid shaft



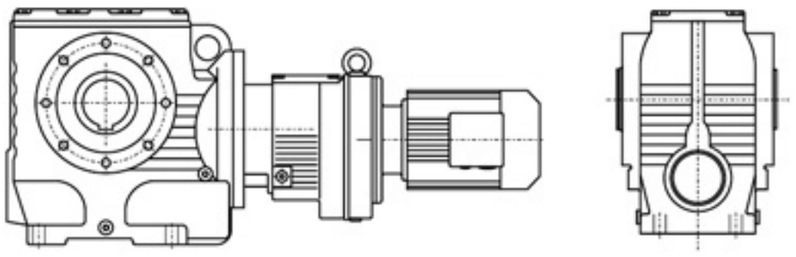
SAF...Y..
法兰空心轴安装斜齿-蜗轮蜗杆减速机
Flange-mounted helical-worm gear units with hollow shaft



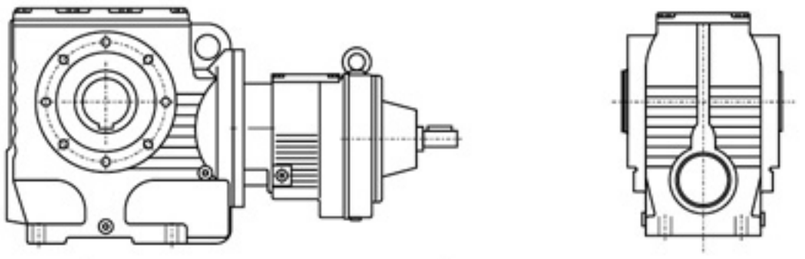
SAT...Y..
带防转臂空心轴安装斜齿-蜗轮蜗杆减速机
Torque-arm-mounted helical-worm gear units with hollow shaft



S(SF、SA、SAF、SAZ)S...
轴输入的斜齿-蜗轮蜗杆减速机
Shaft input helical-worm gear units



SA(S、SF、SAF、SAZ)...R...Y...
组合式斜齿-蜗轮蜗杆减速机
Combinatorial helical-worm gear units



SA(S、SF、SAF、SAZ)S...R...
轴输入的组合式斜齿-蜗轮蜗杆减速机
Shaft input combinatorial helical-worm gear units



SA(S、SF、SAF、SAZ)...Y...
电机用户自配或配特殊电机时需加联接法兰
When equipping the user's motor or the special one,the flange is required to be connected

S

型号与标记：
Type Designations:

SAF37-Y 0.55-4P-12.08-M1-270°-A-Φ25

减速机类型
结构形式
规格
电机代号
电机功率、极数
传动比
安装形式
电机接线盒位置
输出轴、锁紧盘或法兰方向
输出轴孔径

SAF37-Y 0.55-4P-12.08-M1-270°-A-Φ25

Gear units type
Structure
Size
Motor code
Motor power、pole
Ratio
Mounting position
Position of the motor thermal box
Position of output shaft, shrink disk or flang
Output shaft aperture

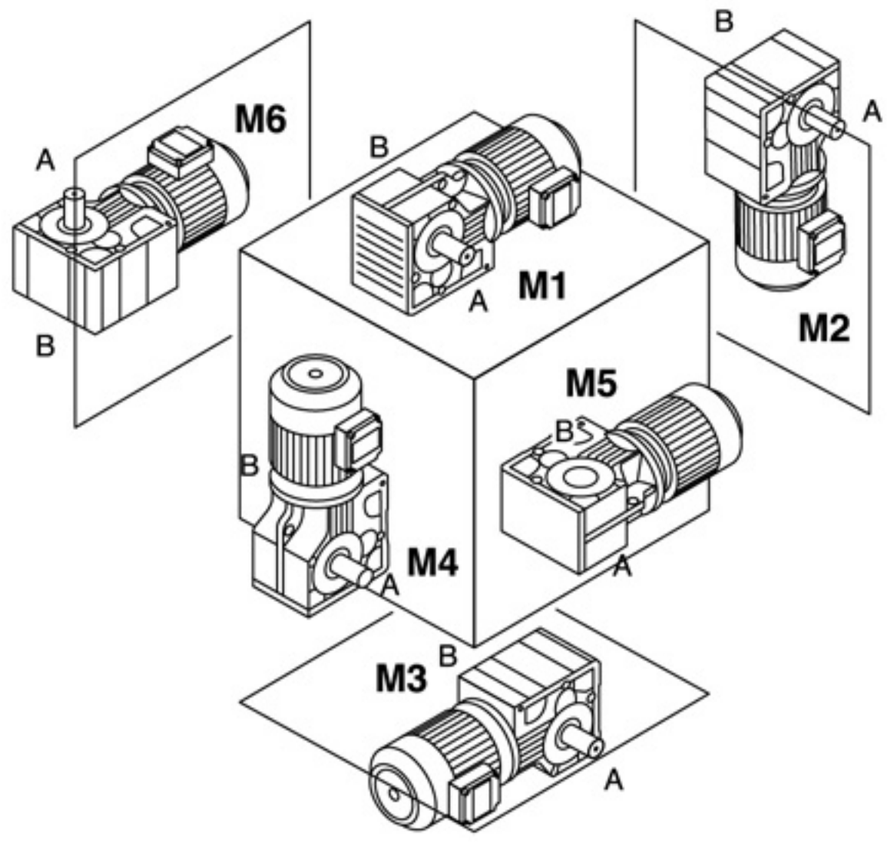
减速机类型： 斜齿-蜗轮蜗杆减速机	Gear units type: Helical-worm gear units
结构形式： 普通轴伸式 (省略) 轴装式 A 轴伸法兰式 F 轴装法兰式 AF 轴装小法兰式 AZ 轴装带防转臂 AT 普通轴伸式，轴输入 S 普通轴装式，轴输入 AS 轴伸法兰式，轴输入 FS 轴装法兰式，轴输入 AFS *带锁紧盘式 H..(H,HF,HZ,HT)	Structure: Foot-mounted solid shaft output (-) Hollow shaft output A Flange-mounted solid shaft output F Flange-mounted hollow shaft output AF Short-flange-mounted hollow shaft output AZ Torque-arm-mounted hollow shaft output AT Foot-mounted solid shaft output, shaft input S Hollow shaft output,shaft input AS Flange-mounted solid shaft output,shaft input FS Flange-mounted hollow shaft output,shaft input AFS *Hollow shaft output with shrink disk H..(H,HF,HZ,HT)
规格： (见选型参数表)	Size: (see selection table)
电机代号： 普通 (更新) Y(Y2) 防 爆 B 直 流 Z 制 动 YEJ 多 速 D 变 频 YVP 电磁调速 YCT 冶金起重 R 变频制动 YVPJ 辊 道 G	Motor code: Ordinary(renew) Y(Y2) Flame-proof B Direct current Z Brake YEJ Multi-speed D Variable frequency YVP Electromagnetism speed modulation YCT Hoisting in metallurgy R Variable frequency and brake YVPJ Roller tables G
电机功率、极数： (见选型参数表)	Motor power、pole ： (see selection table)
传动比： (见选型参数表)	Ratio: (see selection table)
安装形式： M1、M2、M3、M4、M5、M6 (见第11页)	Mounting position: M1、M2、M3、M4、M5、M6(see page 11)
电机接线盒位置： 0°、90°、180°、270°(见第11页)	Position of the motor thermal box: 0°、90°、180°、270°(see page 11)
输出轴或法兰方向： 从电机尾部看左边为 A 从电机尾部看右边为 B (见安装形式) 从电机尾部看左右边为 A+B	Position of output shaft or flange: viewing on motor end:left side -A, right side-B,both sides-A+B(see mounting position)
输出轴孔径： (见安装尺寸图)带实心轴输出时省略	Output shaft aperture: (see the chart of mouting dimension) It will be omitted when solid output shaft

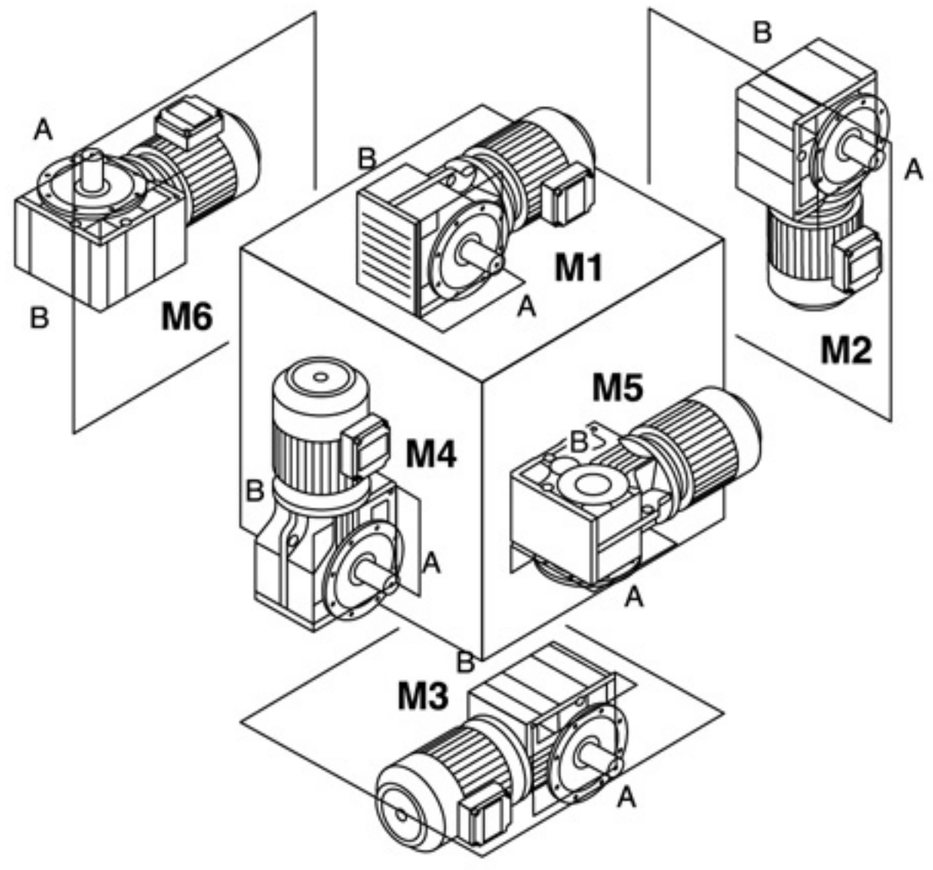
*带锁紧盘式，详见361-362页。

*Hollow shaft output with shrink disk, see P361-362 for detail.

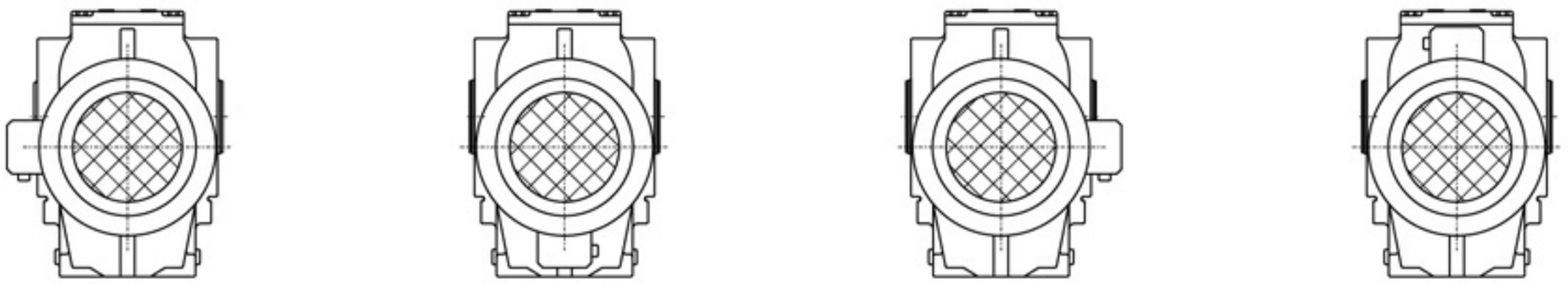
S

安装形式
Mounting position





电机接线盒位置
Position of the motor thermal box



输入功率及许用转矩
Input power rating and permissible torque

规格 Size	37	47	57	67	77	87	97
结构形式 Structure	S SA SF SAF SAT SAZ						
输入功率(kW) Input power rating	0.18~0.75	0.18~1.5	0.18~3	0.25~5.5	0.55~7.5	0.75~15	1.5~22
传动比 Ratio	10.27~165.71	11.46~244.74	10.78~196.21	11.55~227.20	9.96~241.09	11.83~223.26	12.75~230.48
许用转矩(N.m) Permissible torque	90	170	300	520	1270	2280	4000

S

减速机重量
Gear unit weight

规格 Size	37	47	57	67	77	87	97
重量(kg) Weight	7	10	14	26	50	100	170

所注重量为平均值，仅供参考
The weights are mean values,only for reference.

润 滑 油 量 表
Lubrication table

S...:

规格 Size	润 滑 油 量 （ 升 ） Fill quantity in liters					
	M1	M2	M3 [1)]	M4	M5	M6
S37	0.25	0.4	0.5	0.6	0.4	0.4
S47	0.35	0.8	0.7	1.1	0.8	0.8
S57	0.5	1.2	1	1.5	1.3	1.3
S67	1	2.0	2.2/3.1	3.2	2.6	2.6
S77	1.9	4.2	3.7/5.4	6	4.4	4.4
S87	3.3	8.1	6.9/10.4	12	8.4	8.4
S97	6.8	15	13.4/18	22.5	17	17

SF...:

规格 Size	润 滑 油 量 （ 升 ） Fill quantity in liters					
	M1	M2	M3 [1)]	M4	M5	M6
SF37	0.25	0.4	0.5	0.6	0.4	0.4
SF47	0.4	0.9	0.9	1.2	1.0	1.0
SF57	0.5	1.2	1	1.6	1.4	1.4
SF67	1	2.2	2.3/3	3.2	2.7	2.7
SF77	1.9	4.1	3.9/5.8	6.5	4.9	4.9
SF87	3.8	8	7.1/10.1	12	9.1	9.1
SF97	7.4	15	13.8/18.8	23.6	18	18

SA...、SAF...、SAZ...:

规格 Size	润 滑 油 量 （ 升 ） Fill quantity in liters					
	M1	M2	M3 [1)]	M4	M5	M6
S..37	0.25	0.4	0.5	0.6	0.4	0.4
S..47	0.4	0.8	0.7	1.1	0.8	0.8
S..57	0.5	1.1	1	1.6	1.2	1.2
S..67	1	2.0	1.8/2.6	2.9	2.5	2.5
S..77	1.8	3.9	3.6/5	5.9	4.5	4.5
S..87	3.8	7.4	6/8.7	11.2	8	8
S..97	7	14	11.4/16	21	15.7	15.7

注：1）表示减速机为组合型时低速级所加油量为大值。
Notes: 1)The large gear unit of multi-stage gear units must be filled with the larger oil volume.



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输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
0.18kW					
0.30	2579	4606	0.83		
0.36	2563	3872	0.84		
0.40	2515	3475	0.85	S 87R57	4
0.48	2394	2905	0.90	SF 87R57	4
0.54	2239	2586	0.96	SA 87R57	4
0.60	2021	2335	1.06	SAF87R57	4
0.68	1778	2054	1.21		
0.76	1579	1824	1.36		
0.85	1412	1631	1.52		
0.99	1215	1404	0.98		
1.1	1078	1245	1.11		
1.3	952	1100	1.25	S 77R37	4
1.5	826	954	1.45	SF 77R37	4
1.7	725	837	1.65	SA 77R37	4
1.9	618	714	1.93	SAF77R37	4
2.2	551	637	2.2		
2.4	497	574	2.4		
1.7	600	809	0.81		
2.0	532	712	0.92	S 67R37	4
2.3	528	615	0.93	SF 67R37	4
2.6	470	543	1.04	SA 67R37	4
3.0	406	469	1.20	SAF67R37	4
3.3	367	424	1.33		
3.8	316	365	1.55		
3.2	336	438	0.87		
3.6	325	388	0.84		
4.1	291	336	0.97	S 57R17	4
4.7	255	294	1.11	SF 57R17	4
5.2	233	269	1.21	SA 57R17	4
6.1	198	229	1.42	SAF57R17	4
6.8	177	204	1.60		
7.4	162	187	1.74		
4.7	198	294	0.81	S 47R17	4
5.4	191	257	0.84	SF 47R17	4
6.1	182	229	0.88	SA 47R17	4
7.0	173	200	0.92	SAF47R17	4
3.7	276	227.20	1.77	S 67	6
4.1	249	205.11	1.96	SF 67	6
4.7	219	180.46	2.23	SA 67	6
5.0	207	170.40	2.36	SAF67	6
4.3	238	196.21	1.18	S 57	6
4.7	219	180.40	1.29	SF 57	6
5.5	187	154.35	1.51	SA 57	6
6.4	162	133.79	1.74	SAF57	6
7.1	146	196.21	1.94	S 57	4
7.7	134	180.40	2.11	SF 57	4
9.0	115	154.35	2.46	SA 57	4
10.4	99	133.79	2.84	SAF57	4
5.1	204	168.00	0.81		
5.7	182	150.00	0.88	S 47	6
5.8	178	146.84	0.90	SF 47	6
6.2	167	137.25	0.96	SA 47	6
7.2	144	118.64	1.11	SAF47	6
5.7	182	244.74	0.88		
6.1	170	228.75	0.94	S 47	4
7.0	147	197.73	1.09	SF 47	4
8.3	125	168.00	1.28	SA 47	4
9.3	111	150.00	1.44	SAF47	4

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
0.18kW					
9.5	109	146.84	1.47		
10	102	137.25	1.57		
12	88	118.64	1.82	S 47	4
14	75	100.80	2.14	SF 47	4
15	67	90.00	2.40	SA 47	4
18	57	76.88	2.80	SAF47	4
19	53	72.00	2.99		
23	45	60.65	3.56		
9.1	113	152.00	0.80		
11	96	129.41	0.89		
12	83	111.58	1.03		
13	77	104.00	1.10		
15	67	90.91	1.26		
16	63	85.22	1.34		
18	56	75.20	1.52		
21	49	66.67	1.72		
25	45	56.67	1.89		
27	42	52.00	2.02	S 37	4
31	39	45.45	2.16	SF 37	4
33	37	42.61	2.30	SA 37	4
37	33	37.60	2.61	SAF37	4
42	29	33.33	2.95		
49	25	28.33	3.47		
59	23	23.46	3.66		
74	19	18.85	4.56		
84	16	16.48	5.21		
90	15	15.45	5.56		
102	13	13.63	6.30		
115	12	12.08	7.11		
135	10	10.27	8.37		
0.25kW					
0.48	2495	2905	0.86		
0.54	2470	2586	0.87	S 87R57	4
0.60	2406	2335	0.89	SF 87R57	4
0.68	2221	2054	0.96	SA 87R57	4
0.76	2193	1824	0.98	SAF87R57	4
0.85	1961	1631	1.09		
1.5	1118	930	1.92		
1.5	1147	954	1.04		
1.7	1006	837	1.19	S 77R37	4
1.9	858	714	1.39	SF 77R37	4
2.2	766	637	1.56	SA 77R37	4
2.4	690	574	1.73	SAF77R37	4
2.8	600	499	1.99		
2.6	564	543	0.87		
3.0	560	469	0.87	S 67R37	4
3.3	510	424	0.96	SF 67R37	4
3.8	439	365	1.11	SA 67R37	4
4.4	384	319	1.27	SAF67R37	4
4.9	338	281	1.45		
4.7	353	294	0.80		
5.2	323	269	0.87	S 57R17	4
6.1	275	229	1.02	SF 57R17	4
6.8	245	204	1.15	SA 57R17	4
7.4	225	187	1.25	SAF57R17	4
8.4	198	165	1.42		
11	158	131	1.79		
2.8	505	227.20	0.97	S 67	8
3.1	456	205.11	1.07	SF 67	8
3.6	401	180.46	1.22	SA 67	8
3.8	378	170.40	1.29	SAF67	8
4.5	320	144.00	1.53		

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输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
0.25kW					
3.7	383	227.20	1.28	S 67	6
4.1	346	205.11	1.41	SF 67	6
4.7	304	180.46	1.61	SA 67	6
5.0	287	170.40	1.70	SAF67	6
5.9	243	144.00	2.01		
6.1	234	227.20	2.09		
6.8	211	205.11	2.31		
7.7	186	180.46	2.63	S 67	4
8.2	176	170.40	2.78	SF 67	4
9.7	148	144.00	3.30	SA 67	4
11	134	130.00	3.65	SAF67	4
12	118	114.38	4.15		
13	111	108.00	4.39		
4.3	331	196.21	0.85	S 57	6
4.7	304	180.40	0.93	SF 57	6
5.5	260	154.35	1.08	SA 57	6
6.4	225	133.79	1.25	SAF57	6
6.8	211	125.05	1.34		
7.1	202	196.21	1.39		
7.7	186	180.40	1.52		
9.0	159	154.35	1.77	S 57	4
10	138	133.79	2.05	SF 57	4
11	129	125.05	2.19	SA 57	4
13	111	108.09	2.53	SAF57	4
15	95	91.84	2.98		
17	85	82.00	3.34		
7.0	204	197.73	0.81		
8.3	173	168.00	0.92		
9.3	155	150.00	1.04		
9.5	151	146.84	1.06		
10	141	137.25	1.13		
12	122	118.64	1.31	S 47	4
14	104	100.80	1.54	SF 47	4
15	93	90.00	1.73	SA 47	4
18	79	76.88	2.02	SAF47	4
19	74	72.00	2.16		
23	71	60.65	2.24		
24	63	59.32	2.56		
28	61	50.40	2.64		
31	54	45.00	2.96		
13	107	104.00	0.81		
15	94	90.91	0.91		
16	88	85.22	0.97		
18	77	75.20	1.10		
21	69	66.67	1.24		
25	63	56.67	1.36		
27	58	52.00	1.46		
31	55	45.45	1.56		
33	51	42.61	1.66		
37	45	37.60	1.88	S 37	4
42	40	33.33	2.12	SF 37	4
49	34	28.33	2.50	SA 37	4
59	32	23.46	2.64	SAF37	4
74	26	18.85	3.28		
84	23	16.48	3.75		
90	21	15.45	4.00		
102	19	13.63	4.54		
115	17	12.08	5.12		
135	14	10.27	6.02		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
0.37kW					
0.68	2611	2054	0.82	S 87R57	4
0.76	2488	1824	0.86	SF 87R57	4
0.85	2318	1631	0.92	SA 87R57	4
1.5	1655	930	1.29	SAF87R57	4
1.7	1479	831	1.45		
1.9	1271	714	0.94		
2.2	1134	637	1.05	S 77R37	4
2.4	1021	574	1.17	SF 77R37	4
2.8	888	499	1.34	SA 77R37	4
3.2	779	438	1.53	SAF77R37	4
3.6	692	389	1.72		
3.8	557	365	0.88	S 67R37	4
4.4	568	319	0.92	SF 67R37	4
4.9	500	281	0.98	SA 67R37	4
5.7	438	246	1.12	SAF67R37	4
3.0	702	222.00	3.03	S 87	8
3.4	627	198.00	3.42	SF 87	8
4.0	527	166.43	4.07	SA 87	8
				SAF87	8
2.8	763	241.09	1.57		
3.3	652	206.04	1.83	S 77	8
3.5	598	188.89	2.00	SF 77	8
4.0	524	165.75	2.28	SA 77	8
4.3	497	157.08	2.40	SAF77	8
3.9	544	227.20	0.90		
4.3	491	205.11	1.00	S 67	6
4.9	432	180.46	1.13	SF 67	6
5.2	408	170.40	1.20	SA 67	6
6.1	345	144.00	1.42	SAF67	6
6.1	347	227.20	1.41		
6.8	313	205.11	1.56		
7.7	275	180.46	1.78	S 67	4
8.2	260	170.40	1.88	SF 67	4
9.7	220	144.00	2.23	SA 67	4
11	198	130.00	2.47	SAF67	4
12	174	114.38	2.80		
5.7	370	154.35	0.81		
6.6	321	133.79	0.88	S 57	6
7.1	300	125.05	0.94	SF 57	6
8.2	259	108.09	1.09	SA 57	6
9.6	220	91.84	1.28	SAF57	6
10.8	196	82.00	1.44		
7.1	299	196.21	0.94		
7.7	275	180.40	1.02		
9.0	235	154.35	1.20		
10	204	133.79	1.38	S 57	4
11	191	125.05	1.48	SF 57	4
13	165	108.09	1.71	SA 57	4
15	140	91.84	2.01	SAF57	4
17	125	82.00	2.25		
20	119	70.04	2.64		
21	111	66.89	2.37		
22	107	62.53	2.53		
10	209	137.25	0.80		
12	181	118.64	0.88	S 47	4
14	154	100.80	1.04	SF 47	4
15	137	90.00	1.17	SA 47	4
18	117	76.88	1.36	SAF47	4



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输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
0.37kW					
19	110	72.00	1.46		
23	106	60.65	1.52		
24	93	59.32	1.73		
28	90	50.40	1.78		
31	80	45.00	2.00	S 47	4
36	68	38.44	2.34	SF 47	4
39	64	36.00	2.50	SA 47	4
46	54	30.33	2.96	SAF47	4
50	56	27.74	2.84		
54	53	25.93	3.03		
62	46	22.41	3.51		
73	39	19.04	4.13		
82	35	17.00	4.63		
21	102	66.67	0.84		
25	93	56.67	0.92		
27	86	52.00	0.98		
31	81	45.45	1.05		
33	76	42.61	1.12		
37	67	37.60	1.27	S 37	4
42	59	33.33	1.43	SF 37	4
49	50	28.33	1.69	SA 37	4
59	48	23.46	1.78	SAF37	4
74	38	18.85	2.22		
84	34	16.48	2.54		
90	31	15.45	2.71		
102	28	13.63	3.07		
115	25	12.08	3.46		
135	21	10.27	4.07		
0.55kW					
1.0	2517	1332	0.85		
1.2	2475	1191	0.87		
1.3	2460	1032	0.87	S 87R57	4
1.5	2340	930	0.92	SF 87R57	4
1.7	2198	831	0.97	SA 87R57	4
1.9	1902	719	1.13	SAF87R57	4
2.2	1651	624	1.30		
2.5	1476	558	1.45		
3.2	1151	435	1.86		
2.8	1320	499	0.90		
3.2	1159	438	1.03	S 77R37	4
3.6	1029	389	1.16	SF 77R37	4
4.3	865	327	1.38	SA 77R37	4
4.8	764	289	1.56	SAF77R37	4
5.6	661	250	1.81		
5.7	558	246	0.84	S 67R37	4
6.3	585	221	0.88	SF 67R37	4
7.0	524	198	0.93	SA 67R37	4
8.3	444	168	1.10	SAF67R37	4
3.0	1044	222.00	2.05	S 87	8
3.4	931	198.00	2.30	SF 87	8
4.0	783	166.43	2.74	SA 87	8
				SAF87	8
4.0	791	222.00	2.71	S 87	6
4.5	705	198.00	3.04	SF 87	6
5.3	593	166.43	3.62	SA 87	6
				SAF87	6
3.3	969	206.04	1.23	S 77	8
3.5	888	188.89	1.34	SF 77	8
4.0	780	165.75	1.53	SA 77	8
4.3	739	157.08	1.62	SAF77	8

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
0.55kW					
3.7	859	241.09	1.39		
4.3	734	206.04	1.63	S 77	6
4.7	673	188.89	1.78	SF 77	6
5.3	590	165.75	2.02	SA 77	6
5.6	559	157.08	2.13	SAF77	6
5.8	547	241.09	2.18	S 77	4
6.7	467	206.04	2.56	SF 77	4
7.4	428	188.89	2.79	SA 77	4
				SAF77	4
6.1	515	227.20	0.95		
6.8	465	205.11	1.05		
7.7	409	180.46	1.20		
8.2	386	170.40	1.27		
9.7	326	144.00	1.50		
11	295	130.00	1.66	S 67	4
12	259	114.38	1.89	SF 67	4
13	245	108.00	2.00	SA 67	4
15	208	91.96	2.35	SAF67	4
17	189	83.57	2.58		
19	172	72.39	2.98		
21	164	65.00	2.84		
9.6	327	91.84	0.86		
11	292	82.00	0.97		
12	251	70.40	1.01	S 57	6
13	278	66.89	1.12	SF 57	6
14	260	62.53	1.09	SA 57	6
16	225	54.05	1.26	SAF57	6
19	191	45.92	1.48		
22	170	41.00	1.66		
25	146	35.20	1.93		
9.0	350	154.35	0.81		
10	303	133.79	0.93		
11	284	125.05	0.99		
13	245	108.09	1.15		
15	208	91.84	1.35		
17	186	82.00	1.52		
20	177	70.40	1.59		
21	165	66.89	1.70	S 57	4
22	160	62.53	1.77	SF 57	4
26	143	54.05	1.97	SA 57	4
30	121	45.92	2.32	SAF57	4
34	108	41.00	2.60		
40	93	35.02	3.04		
42	91	32.80	3.10		
46	87	30.12	3.25		
53	79	26.11	3.57		
57	74	24.40	3.82		
66	64	21.09	4.42		
18	174	76.88	0.92		
19	163	72.00	0.98		
23	157	60.65	1.02		
25	138	59.32	1.16		
28	133	50.40	1.20		
31	119	45.00	1.34		
36	102	38.44	1.57	S 47	4
39	95	36.00	1.68	SF 47	4
46	80	30.33	1.91	SA 47	4
50	84	27.74	1.99	SAF47	4
54	78	25.93	2.04		
62	68	22.41	2.36		
73	58	19.04	2.78		
82	51	17.00	3.11		
96	44	14.52	3.65		
102	41	13.60	3.89		
121	35	11.46	4.62		

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输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
0.55kW					
42	88	33.33	0.96		
49	75	28.33	1.13		
59	71	23.46	1.20		
74	57	18.85	1.49	S 37	4
84	50	16.48	1.71	SF 37	4
90	47	15.45	1.82	SA 37	4
102	41	13.63	2.06	SAF37	4
115	37	12.08	2.33		
135	31	10.27	2.74		
0.75kW					
1.1	4411	1223	0.85		
1.3	3860	1070	0.97		
1.5	3347	928	1.12	S 97R57	4
1.7	2972	824	1.27	SF 97R57	4
1.9	2575	714	1.46	SA 97R57	4
2.2	2258	626	1.67	SAF97R57	4
2.6	1941	538	1.94		
2.9	1746	484	2.2		
1.3	2659	1032	0.81		
1.5	2593	930	0.83		
1.7	2569	831	0.83	S 87R57	4
1.9	2396	719	0.89	SF 87R57	4
2.2	2251	624	0.95	SA 87R57	4
2.5	2013	558	1.06	SAF87R57	4
3.2	1569	435	1.37		
4.3	1165	323	1.84		
4.3	1179	327	1.01	S 77R37	4
4.8	1042	289	1.15	SF 77R37	4
5.6	902	250	1.32	SA 77R37	4
6.3	790	219	1.51	SAF77R37	4
3.0	1457	230.48	2.58	S 97	8
3.3	1311	207.48	2.87	SF 97	8
3.6	1187	187.89	3.17	SA 97	8
				SAF97	8
4.1	1048	222.00	2.04	S 87	6
4.6	935	198.00	2.29	SF 87	6
5.5	786	166.43	2.73	SA 87	6
				SAF87	6
6.2	690	223.26	3.10	S 87	4
7.0	612	198.00	3.50	SF 87	4
8.4	515	166.43	4.16	SA 87	4
				SAF87	4
3.8	1139	241.09	1.05	S 77	6
4.4	973	206.04	1.23	SF 77	6
4.8	892	188.89	1.34	SA 77	6
5.5	783	165.75	1.53	SAF77	6
5.8	745	241.09	1.60		
6.7	637	206.04	1.87		
7.4	584	188.89	2.04	S 77	4
8.4	512	165.75	2.33	SF 77	4
8.8	486	157.08	2.46	SA 77	4
10	425	137.48	2.81	SAF77	4
11	383	123.86	3.12		
13	336	108.65	3.55		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
0.75kW					
6.8	634	205.11	0.80		
7.7	558	180.46	0.88		
8.2	527	170.40	0.93		
9.7	445	144.00	1.10		
11	402	130.00	1.22		
12	354	114.38	1.38	S 67	4
13	334	108.00	1.46	SF 67	4
15	284	91.96	1.72	SA 67	4
17	258	83.57	1.89	SAF67	4
19	224	72.39	2.09		
21	234	65.00	2.18		
22	206	63.00	2.37		
24	195	57.19	2.51		
26	185	54.00	2.51		
30	166	45.98	2.95		
13	331	70.04	0.80		
14	369	66.89	0.82	S 57	6
15	345	62.53	0.85	SF 57	6
17	298	54.05	0.95	SA 57	6
20	253	45.92	1.11	SAF57	6
22	226	41.00	1.25		
13	334	108.09	0.84		
15	284	91.84	0.99		
17	254	82.00	1.11		
20	217	70.04	1.17		
21	241	66.89	1.25		
22	226	62.53	1.30		
26	195	54.05	1.45		
30	166	45.92	1.70	S 57	4
34	148	41.00	1.91	SF 57	4
40	126	35.02	2.23	SA 57	4
42	118	32.80	2.27	SAF57	4
46	124	30.12	2.38		
53	108	26.11	2.62		
57	101	24.40	2.80		
66	87	21.09	3.24		
78	74	17.92	3.82		
87	66	16.00	4.28		
102	56	13.67	5.00		
31	162	45.00	0.99		
36	139	38.44	1.15		
39	130	36.00	1.23		
46	109	30.33	1.40	S 47	4
50	114	27.74	1.46	SF 47	4
54	107	25.93	1.50	SA 47	4
62	92	22.41	1.73	SAF47	4
73	78	19.04	2.04		
82	70	17.00	2.28		
96	60	14.52	2.67		
102	56	13.60	2.85		
121	47	11.46	3.39		
74	78	18.85	1.09		
84	68	16.48	1.25	S 37	4
90	64	15.45	1.33	SF 37	4
102	56	13.63	1.51	SA 37	4
115	50	12.08	1.71	SAF37	4
135	42	10.27	2.01		



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输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
1.1kW					
1.7	4328	824	0.87		
2.0	3750	714	1.00	S 97R57	4
2.2	3288	626	1.14	SF 97R57	4
2.6	2826	538	1.33	SA 97R57	4
2.9	2542	484	1.48	SAF97R57	4
3.3	2206	420	1.70		
2.2	2547	624	0.84		
2.5	2512	558	0.85		
2.9	2341	485	0.92		
3.2	2285	435	0.94	S 87R57	4
3.7	1985	378	1.08	SF 87R57	4
4.3	1697	323	1.26	SA 87R57	4
5.0	1476	281	1.45	SAF87R57	4
5.5	1339	255	1.60		
6.3	1166	222	1.84		
6.8	1077	205	1.99		
6.4	1150	219	1.04	S 77R37	4
				SF 77R37	4
				SA 77R37	4
				SAF77R37	4
3.0	2136	230.48	1.76	S 97	8
3.3	1923	207.48	1.96	SF 97	8
3.6	1742	187.89	2.16	SA 97	8
				SAF97	8
3.9	1596	230.48	2.36	S 97	6
4.4	1437	207.48	2.62	SF 97	6
4.8	1301	187.89	2.89	SA 97	6
				SAF97	6
6.3	999	222.00	2.14		
7.1	891	198.00	2.40	S 87	4
8.4	749	166.43	2.86	SF 87	4
9.2	689	152.95	3.11	SA 87	4
10.3	612	135.83	3.50	SAF87	4
5.8	1085	241.09	1.10		
6.8	928	206.04	1.29		
7.4	850	188.89	1.40		
8.4	746	165.75	1.60	S 77	4
8.9	707	157.08	1.69	SF 77	4
10	619	137.48	1.93	SA 77	4
11	558	123.86	2.14	SAF77	4
13	489	108.65	2.44		
15	432	95.88	2.77		
11	585	130.00	0.84		
12	515	114.38	0.95		
13	486	108.00	1.01		
15	414	91.96	1.18		
17	376	83.57	1.30		
19	341	72.39	1.43	S 67	4
22	326	65.00	1.50	SF 67	4
23	284	63.00	1.63	SA 67	4
24	300	57.19	1.72	SAF67	4
26	284	54.00	1.72		
30	242	45.98	2.02		
34	220	41.79	2.23		
39	190	36.20	2.57		
44	165	31.50	2.96		
53	139	26.40	3.53		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
1.1kW					
20	351	70.04	0.80		
21	328	66.89	0.86		
22	315	62.53	0.89		
26	284	54.05	0.99		
30	241	45.92	1.17		
34	215	41.00	1.31		
40	184	35.02	1.53	S 57	4
43	181	32.80	1.56	SF 57	4
46	172	30.12	1.64	SA 57	4
54	157	26.11	1.80	SAF57	4
57	146	24.40	1.93		
66	127	21.09	2.23		
78	108	17.92	2.62		
88	96	16.00	2.94		
102	82	13.67	3.44		
109	77	12.80	3.67		
130	65	10.78	4.36		
46	182	30.33	0.88		
50	167	27.74	0.96		
54	156	25.93	1.03	S 47	4
62	135	22.41	1.19	SF 47	4
74	114	19.04	1.40	SA 47	4
82	102	17.00	1.57	SAF47	4
96	87	14.52	1.84		
103	82	13.60	1.96		
122	69	11.46	2.33		
1.5kW					
2.0	4484	714	0.84		
2.2	4383	626	0.86	S 97R57	4
2.6	3853	538	0.98	SF 97R57	4
2.9	3467	484	1.08	SA 97R57	4
3.3	3008	420	1.25	SAF97R57	4
3.7	2693	376	1.40		
4.3	2342	327	1.61		
2.9	2707	485	0.79		
3.2	2481	435	0.86		
3.7	2313	378	0.93	S 87R57	4
4.3	2225	323	0.96	SF 87R57	4
5.0	2013	281	1.06	SA 87R57	4
5.5	1826	255	1.17	SAF87R57	4
6.3	1590	222	1.35		
6.8	1468	205	1.46		
3.0	2871	230.48	1.31	S 97	8
3.3	2584	207.48	1.45	SF 97	8
3.7	2340	187.89	1.61	SA 97	8
4.1	2076	166.62	1.81	SAF97	8
4.0	2153	230.48	1.75	S 97	6
4.4	1938	207.48	1.94	SF 97	6
4.9	1755	187.89	2.14	SA 97	6
5.5	1557	166.62	2.42	SAF97	6
6.1	1415	230.48	2.66	S 97	4
6.7	1274	207.48	2.95	SF 97	4
7.5	1154	187.89	3.26	SA 97	4
				SAF97	4
4.1	2074	222.00	1.03	S 87	6
4.6	1850	198.00	1.16	SF 87	6
5.5	1555	166.43	1.38	SA 87	6
6.1	1429	152.95	1.50	SAF87	6

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输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
1.5kW					
6.3	1363	222.00	1.56		
7.1	1216	198.00	1.76		
8.4	1022	166.43	2.10	S 87	4
9.2	939	152.95	2.28	SF 87	4
10	834	135.83	2.57	SA 87	4
12	746	121.44	2.87	SAF87	4
13	970	109.19	3.20		
15	582	94.77	3.68		
7.4	1160	188.89	1.03		
8.4	1018	165.75	1.17		
8.9	964	157.08	1.24		
10	844	137.48	1.41		
11	760	123.86	1.57		
13	667	108.65	1.79	S 77	4
15	589	95.88	2.03	SF 77	4
16	564	85.00	2.12	SA 77	4
18	522	78.78	2.29	SAF77	4
19	517	72.22	2.31		
22	454	63.38	2.63		
23	430	60.06	2.78		
27	377	52.57	3.17		
30	339	47.36	3.52		
34	298	41.54	4.01		
17	513	83.57	0.95		
19	466	72.39	1.05		
22	444	65.00	1.10		
23	410	63.00	1.19		
24	387	57.19	1.26		
26	367	54.00	1.26		
30	329	45.98	1.48	S 67	4
34	299	41.79	1.63	SF 67	4
39	259	36.20	1.89	SA 67	4
44	226	31.50	2.17	SAF67	4
53	216	26.40	2.26		
59	195	23.83	2.51		
67	171	20.92	2.86		
71	162	19.80	3.02		
83	138	16.86	3.54		
91	125	15.32	3.90		
106	109	13.27	4.50		
121	95	11.55	5.17		
43	247	32.80	1.20		
46	235	30.12	1.14		
54	214	26.11	1.32		
57	200	24.40	1.41	S 57	4
66	173	21.09	1.63	SF 57	4
78	147	17.92	1.92	SA 57	4
88	131	16.00	2.15	SAF57	4
102	112	13.67	2.52		
109	105	12.80	2.69		
130	88	10.78	3.20		
96	119	14.52	1.35	S 47	4
103	111	13.60	1.44	SF 47	4
122	94	11.46	1.71	SA 47	4
				SAF47	4

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
2.2kW					
3.4	4350	420	0.86	S 97R57	4
3.8	3894	376	0.97	SF 97R57	4
4.3	3387	327	1.11	SA 97R57	4
4.9	2972	287	1.26	SAF97R57	4
5.6	2610	252	1.44		
4.1	3091	230.48	1.22	S 97	6
4.5	2782	207.48	1.35	SF 97	6
5.0	2520	187.89	1.49	SA 97	6
				SAF97	6
6.2	2046	230.48	1.84		
6.8	1842	207.48	2.04		
7.6	1668	187.89	2.25	S 97	4
8.5	1479	166.62	2.54	SF 97	4
9.4	1337	150.64	2.81	SA 97	4
11	1133	127.68	3.32	SAF97	4
13	990	111.52	3.80		
15	863	93.27	4.54		
17	828	83.31	4.36		
6.4	1971	222.00	1.08		
7.2	1758	198.00	1.22		
8.5	1477	166.43	1.45		
9.3	1358	152.95	1.58		
10	1206	135.83	1.78	S 87	4
12	1078	121.44	1.99	SF 87	4
13	969	109.19	2.21	SA 87	4
15	841	94.77	2.55	SAF87	4
17	753	84.86	2.74		
19	733	75.63	2.84		
20	700	70.40	3.06		
21	630	67.62	3.40		
23	625	60.80	3.43		
27	547	52.77	3.92		
10	1220	137.48	0.98		
11	1100	123.86	1.09		
13	965	108.65	1.24		
15	851	95.88	1.40		
17	755	85.00	1.46		
18	816	78.78	1.58		
20	748	72.22	1.60		
22	656	63.38	1.82	S 77	4
24	622	60.06	1.92	SF 77	4
27	544	52.57	2.19	SA 77	4
30	491	47.36	2.43	SAF77	4
34	430	41.54	2.78		
39	380	36.66	3.14		
44	337	32.50	3.55		
51	307	27.75	3.89		
55	287	25.93	4.15		
62	269	22.75	4.43		
66	255	21.56	4.68		
31	476	45.98	1.03		
34	433	41.79	1.13		
39	375	36.20	1.30		
45	326	31.50	1.50		
54	312	26.40	1.56	S 67	4
60	282	23.83	1.73	SF 67	4
68	248	20.97	1.97	SA 67	4
72	234	19.80	2.09	SAF67	4
84	200	16.86	2.45		
93	181	15.32	2.70		
107	157	13.27	3.11		
123	137	11.55	3.58		



输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
2.2kW					
89	189	16.00	1.49	S 57	4
104	162	13.67	1.74	SF 57	4
111	152	12.80	1.86	SA 57	4
132	128	10.78	2.21	SAF57	4
3kW					
4.9	4053	287	0.93	S 97R57 SF 97R57 SA 97R57 SAF97R57	4 4 4 4
6.2	2790	230.48	1.35		
6.8	2512	207.48	1.50		
7.6	2275	187.89	1.65		
8.5	2017	166.62	1.86	S 97 SF 97 SA 97 SAF97	4 4 4 4
9.4	1824	150.64	2.06		
11	1546	127.68	2.43		
13	1350	111.52	2.79		
15	1129	93.27	3.20		
17	1177	83.31	3.33		
18	978	80.75	3.85		
8.5	2015	166.43	1.06		
9.3	1852	152.95	1.16		
10	1644	135.83	1.30		
12	1470	121.44	1.46		
13	1322	109.19	1.62		
15	1147	94.77	1.87		
17	1027	84.86	2.01	S 87 SF 87 SA 87 SAF87	4 4 4 4
19	1068	75.63	2.09		
20	955	70.40	2.24		
21	859	67.62	2.50		
23	852	60.80	2.51		
27	745	52.77	2.88		
30	696	47.25	3.08		
33	667	43.13	3.21		
36	617	39.20	3.47		
37	554	38.25	3.87		
42	481	34.09	4.45		
17	1113	85.00	1.07		
18	1029	78.78	1.16		
20	1020	72.22	1.17		
22	895	63.38	1.33		
24	848	60.06	1.41		
27	742	52.57	1.61		
30	669	47.36	1.79		
34	587	41.54	2.04	S 77	4
39	518	36.66	2.31	SF 77	4
44	459	32.50	2.60	SA 77	4
51	419	27.75	2.85	SAF77	4
55	392	25.93	3.05		
62	367	22.75	3.25		
66	348	21.56	3.43		
75	305	18.87	3.92		
84	274	17.00	4.35		
95	241	14.91	4.96		
108	212	13.16	5.62		
122	188	11.67	6.34		
143	161	9.96	7.43		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
3kW					
39	511	36.20	0.96		
45	445	31.50	1.10		
54	426	26.40	1.15		
60	385	23.83	1.27	S 67	4
68	338	20.97	1.44	SF 67	4
72	320	19.80	1.53	SA 67	4
84	272	16.86	1.80	SAF67	4
93	247	15.32	1.98		
107	214	13.27	2.28		
123	186	11.55	2.62		
104	221	13.67	1.28	S 57 SF 57 SA 57 SAF57	4 4 4 4
111	207	12.80	1.36		
132	174	10.78	1.62		
4kW					
6.2	3668	230.48	1.02		
6.9	3302	207.48	1.14		
7.7	2991	187.89	1.26		
8.6	2652	166.62	1.42		
9.6	2398	150.64	1.57	S 97	4
11	2032	127.68	1.85	SF 97	4
13	1775	111.52	2.12	SA 97	4
15	1547	93.27	2.43	SAF97	4
17	1485	83.31	2.53		
18	1399	80.75	2.93		
19	1285	75.32	2.69		
23	1185	63.84	3.17		
26	1035	55.76	3.63		
12	1933	121.44	1.11		
13	1738	109.19	1.23		
15	1508	94.77	1.42		
17	1404	84.86	1.53		
19	1351	75.63	1.59		
20	1256	70.40	1.71		
21	1129	67.62	1.90		
24	1121	60.80	1.91	S 87	4
27	980	52.77	2.19	SF 87	4
30	915	47.25	2.34	SA 87	4
33	877	43.13	2.44	SAF87	4
37	812	39.20	2.64		
38	728	38.25	2.94		
42	682	34.09	3.14		
45	633	32.15	3.39		
49	627	29.55	3.42		
55	557	26.24	3.85		
61	498	23.46	4.30		
24	1115	60.06	1.07		
27	976	52.57	1.22		
30	879	47.36	1.36		
35	771	41.54	1.55		
39	681	36.66	1.75		
44	604	32.50	1.98		
52	550	27.75	2.17	S 77 SF 77 SA 77 SAF77	4 4 4 4
56	515	25.93	2.32		
63	483	22.75	2.47		
67	458	21.56	2.61		
76	400	18.87	2.98		
85	361	17.00	3.31		
97	316	14.91	3.77		
109	279	13.16	4.28		
123	248	11.67	4.82		
145	211	9.96	5.65		

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输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
4kW					
73	420	19.80	1.16	S 67	4
85	358	16.86	1.37	SF 67	4
94	325	15.32	1.50	SA 67	4
109	282	13.27	1.74	SAF67	4
125	245	11.55	1.99		
5.5kW					
8.6	3647	166.62	1.03		
9.6	3297	150.64	1.14		
11	2794	127.68	1.35		
13	2441	111.52	1.54		
15	2127	93.27	1.77	S 97	4
17	2041	83.31	1.84	SF 97	4
18	1923	80.75	1.96	SA 97	4
19	1767	75.32	2.13	SAF97	4
23	1630	63.84	2.31		
26	1424	55.76	2.64		
31	1191	46.64	3.16		
36	1031	40.38	3.65		
17	1931	84.86	1.11		
19	1857	75.63	1.15		
20	1727	70.40	1.24		
21	1552	67.62	1.38		
24	1541	60.80	1.39		
27	1347	52.77	1.59		
30	1259	47.25	1.70		
33	1206	43.13	1.78	S 87	4
37	1116	39.20	1.92	SF 87	4
38	1001	38.25	2.14	SA 87	4
42	938	34.09	2.28	SAF87	4
45	870	32.15	2.46		
49	862	29.55	2.49		
55	766	26.24	2.80		
61	685	23.46	3.13		
68	615	21.09	3.48		
79	534	18.31	4.01		
88	478	16.39	4.48		
106	397	13.60	5.40		
122	345	11.83	6.21		
35	1061	41.54	1.13		
39	936	36.66	1.28		
44	830	32.50	1.44		
52	757	27.75	1.58		
56	709	25.93	1.69	S 77	4
63	664	22.75	1.80	SF 77	4
67	629	21.56	1.90	SA 77	4
76	551	18.87	2.17	SAF77	4
85	496	17.00	2.41		
97	435	14.91	2.74		
109	384	13.16	3.11		
123	341	11.67	3.51		
145	291	9.96	4.11		
94	447	15.32	1.09	S 67	4
109	387	13.27	1.26	SF 67	4
125	337	11.55	1.45	SA 67	4
				SAF67	4

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
7.5kW					
13	3304	111.52	1.14		
16	2880	93.27	1.31		
17	2764	83.31	1.36		
18	2604	80.75	1.44		
19	2393	75.32	1.57		
23	2207	63.84	1.70		
26	1928	55.76	1.95	S 97	4
31	1612	46.64	2.33	SF 97	4
36	1438	40.38	2.62	SA 97	4
40	1396	36.39	2.69	SAF97	4
45	1294	32.76	2.91		
49	1172	29.67	3.21		
55	1039	26.31	3.62		
61	940	23.79	4.00		
72	796	20.16	4.72		
31	1704	47.25	1.26		
34	1633	43.13	1.31		
37	1511	39.20	1.42		
38	1355	38.25	1.58		
43	1270	34.09	1.69		
45	1178	32.15	1.82	S 87	4
49	1167	29.55	1.84	SF 87	4
56	1037	26.24	2.07	SA 87	4
62	927	23.46	2.31	SAF87	4
69	833	21.09	2.57		
80	723	18.31	2.96		
89	648	16.39	3.31		
107	537	13.60	3.99		
123	467	11.83	4.59		
53	1024	27.75	1.17		
56	959	25.93	1.24		
64	899	22.75	1.33	S 77	4
68	852	21.56	1.40	SF 77	4
77	746	18.87	1.60	SA 77	4
86	672	17.00	1.78	SAF77	4
98	589	14.91	2.03		
111	520	13.16	2.30		
125	461	11.67	2.59		
147	394	9.96	3.03		
11kW					
26	2808	55.76	1.34		
31	2349	46.64	1.60		
36	2095	40.38	1.80		
40	2034	36.39	1.85	S 97	4
45	1886	32.76	1.99	SF 97	4
49	1708	29.67	2.20	SA 97	4
55	1514	26.31	2.48	SAF97	4
61	1369	23.79	2.75		
72	1160	20.16	3.24		
83	1014	17.61	3.71		
99	848	14.73	4.43		
115	734	12.75	5.12		
56	1510	26.24	1.42		
62	1350	23.46	1.59	S 87	4
69	1214	21.09	1.77	SF 87	4
80	1054	18.31	2.03	SA 87	4
89	943	16.39	2.27	SAF87	4
107	783	13.60	2.74		
123	681	11.83	3.15		



S

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
15kW					
31	3203	46.64	1.17		
36	2856	40.38	1.32		
40	2773	36.39	1.36		
45	2571	32.76	1.46	S 97	4
49	2329	29.67	1.61	SF 97	4
55	2065	26.31	1.82	SA 97	4
61	1867	23.79	2.01	SAF97	4
72	1582	20.16	2.38		
83	1382	17.61	2.72		
99	1156	14.73	3.25		
115	1001	12.75	3.76		
89	1287	16.39	1.67	S 87	4
107	1068	13.60	2.01	SF 87	4
123	929	11.83	2.31	SA 87	4
				SAF87	4
18.5kW					
40	3499	36.39	1.07		
45	3150	32.76	1.19		
50	2853	29.67	1.32	S 97	4
56	2530	26.31	1.49	SF 97	4
62	2287	23.79	1.64	SA 97	4
73	1938	20.16	1.94	SAF97	4
83	1693	17.61	2.22		
100	1416	14.73	2.65		
115	1226	12.75	3.07		
22kW					
56	3008	26.31	1.25		
62	2720	23.79	1.38	S 97	4
73	2305	20.16	1.63	SF 97	4
83	2014	17.61	1.87	SA 97	4
100	1684	14.73	2.23	SAF97	4
115	1458	12.75	2.58		

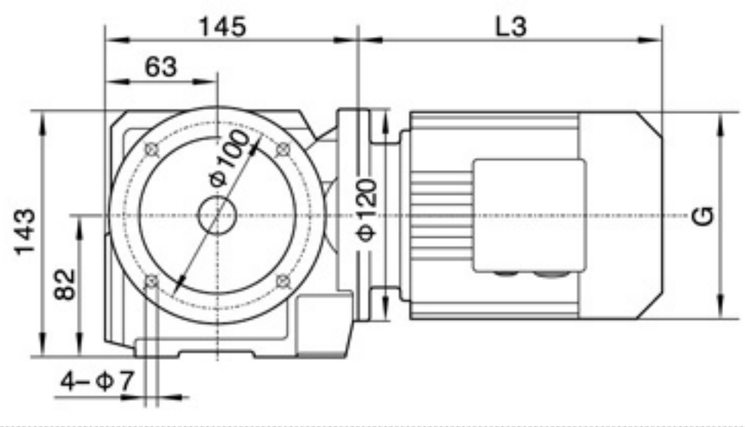
S

Mamax Permissible torque Nm	输出转速 Output speed r/min	传动比 Ratio i	机型号 Type Type	功率 Power kW/4p
90	7.8	179	S 37R17 SF 37R17 SA 37R17 SAF37R17	0.18
	8.8	158		
	9.7	144		
	12	118		
	13	110		0.25
170	3.6	388	S 47R17 SF 47R17 SA 47R17 SAF47R17	0.18
	4.1	336		
	4.7	294		
	5.4	257		0.25
	6.1	229		
	7.0	200		
	7.4	187		
	8.4	165		
300	2.4	574	S 57R17 SF 57R17 SA 57R17 SAF57R17	0.18
	2.7	506		
	3.2	438		
	3.6	388		
	4.1	336		0.25
	4.7	294		
	5.2	269		
	6.1	229		0.37
	6.8	204		
	7.4	187		
	8.4	165		0.55
	11	131		
520	1.3	1045	S 67R37 SF 67R37 SA 67R37 SAF67R37	0.18
	1.5	914		
	1.7	809		
	2.0	712		
	2.3	615		0.25
	2.6	543		
	3.0	469		0.37
	3.3	424		
	3.8	365		
	4.4	319		0.55
	4.9	281		
	5.7	246		
	6.3	221		
	7.0	198		0.75
1270	0.45	3098	S 77R37 SF 77R37 SA 77R37 SAF77R37	0.18
	0.67	2083		
	0.77	1813		
	0.80	1745		
	0.87	1600		
	1.0	1404		0.25
	1.1	1245		
	1.3	1100		
	1.5	954		0.37
	1.7	837		
	1.9	714		
	2.2	637		0.55
	2.4	574		
	2.8	499		
	3.2	438		0.75
	3.6	389		
	4.3	327		1.1
	4.8	289		
	5.6	250		
	6.4	219		

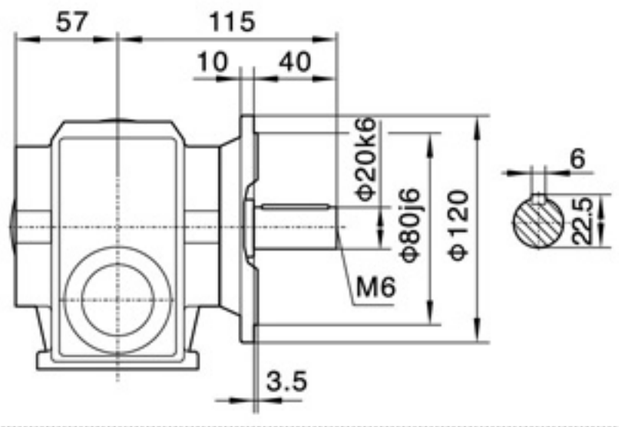
Mamax Permissible torque Nm	输出转速 Output speed r/min	传动比 Ratio i	机型号 Type Type	功率 Power kW/4p
2280	0.24	5875	S 87R57 SF 87R57 SA 87R57 SAF87R57	0.18
	0.27	5187		
	0.30	4606		
	0.36	3872		0.25
	0.40	3475		
	0.48	2905		
	0.54	2586		0.37
	0.60	2335		
	0.68	2054		
	0.76	1824		0.55
	0.85	1631		
	1.0	1332		
	1.2	1191		
	1.3	1032		0.75
	1.5	930		
	1.7	831		
	1.9	719		1.1
	2.2	624		
	2.5	558		
	2.9	485		1.5
	3.2	435		
	3.7	378		
	4.4	323		2.2
	5.1	281		
4000	0.16	8608	S 97R57 SF 97R57 SA 97R57 SAF97R57	0.18
	0.18	7554		
	0.21	6640		
	0.24	5780		
	0.28	4937		
	0.31	4444		0.25
	0.35	4017		
	0.40	3453		
	0.45	3108		0.37
	0.52	2654		
	0.60	2329		
	0.67	2081		0.55
	0.75	1860		
	0.88	1574		
	1.0	1394		0.75
	1.1	1223		
	1.3	1070		
	1.5	928		1.1
	1.7	824		
	2.0	714		1.5
	2.2	626		
	2.6	538		
	2.9	484		2.2
	3.4	420		
	3.8	376		
	4.3	327		3
	4.9	287		
	5.7	252		4
	6.6	219		

表上所配功率均有超载,按实际条件确定的转扭不得大于减速机额定转扭。

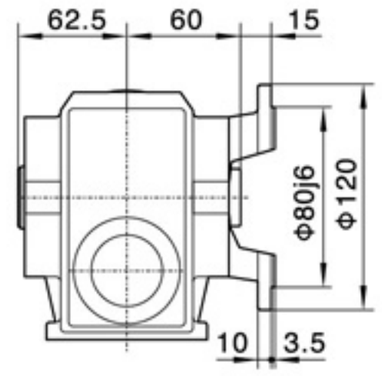
The power are all overload in the table.The decided torque according to operating condition should not more than gear units' nominal torque.

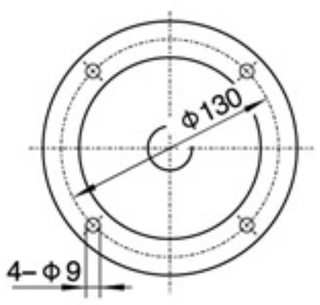


SF37/Φ120

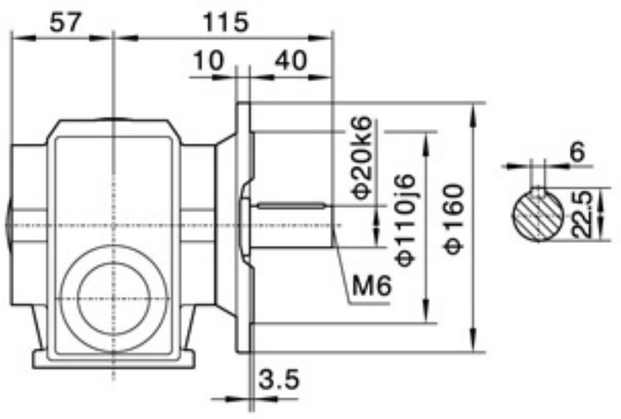


SAF37/Φ120

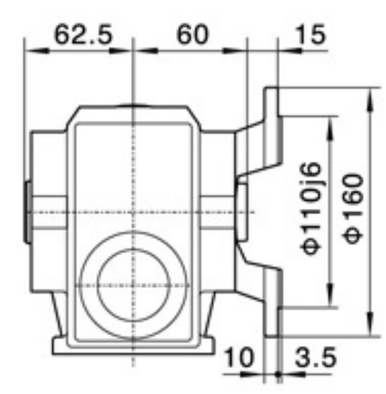




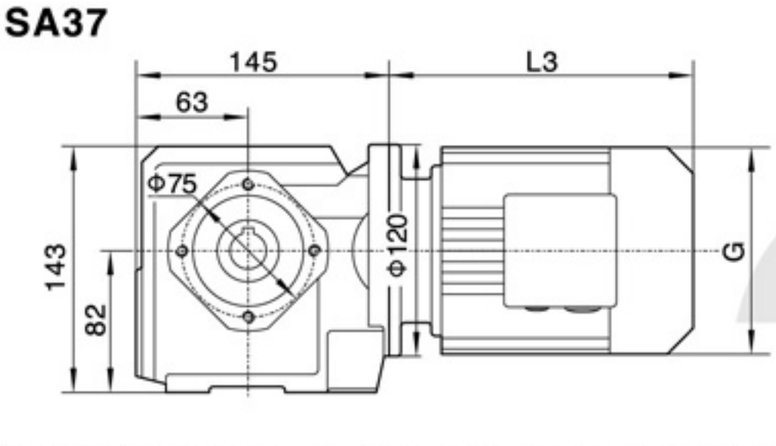
SF37/Φ160

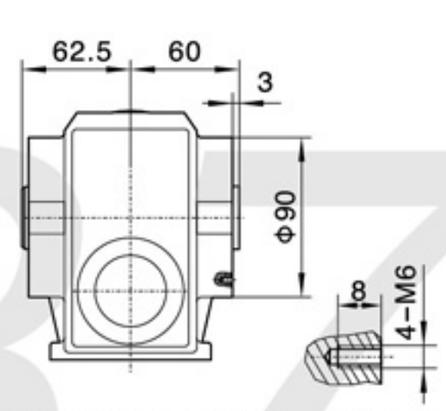


SAF37/Φ160

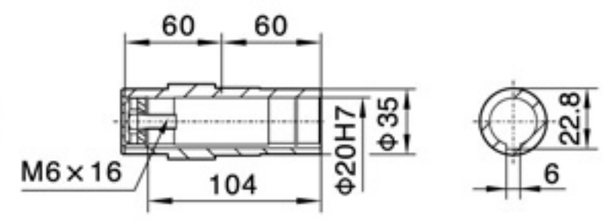


SA37

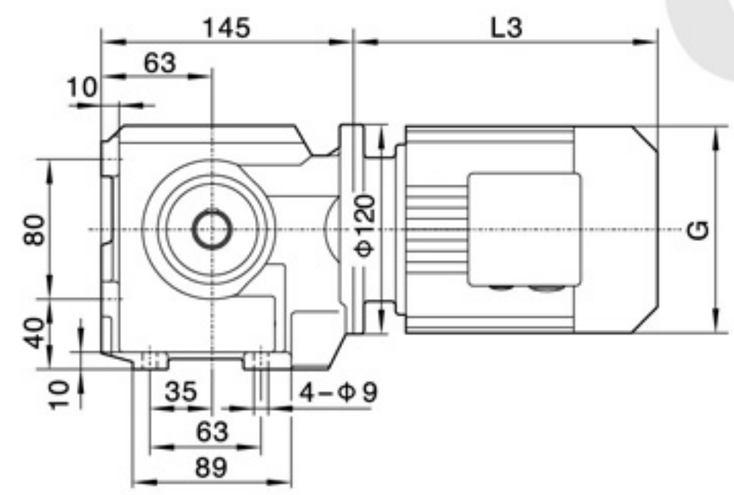


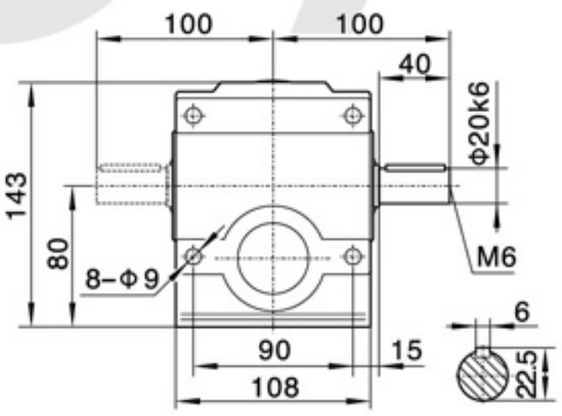


SAF37/SA37/SAZ37
空心轴/Hollow shaft

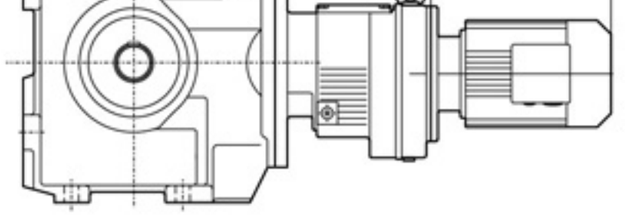


S37

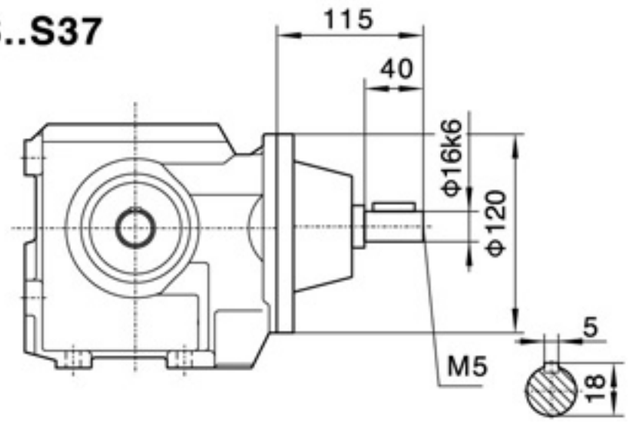




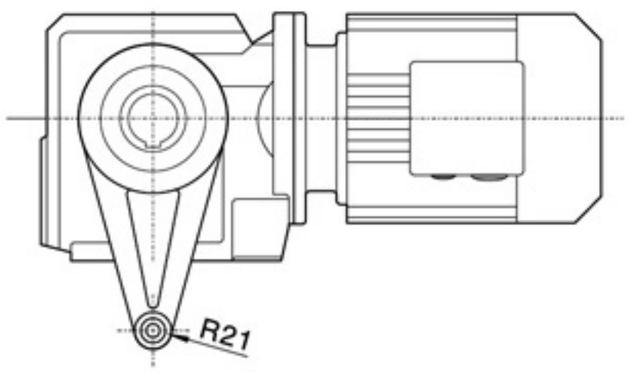
S..37R17

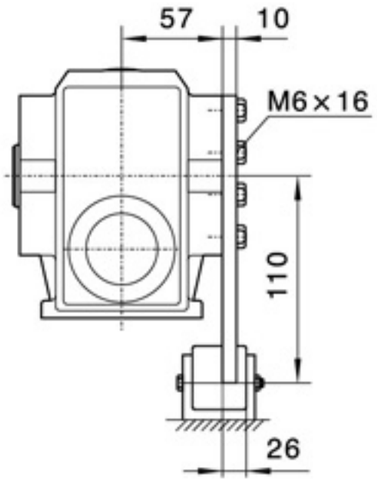


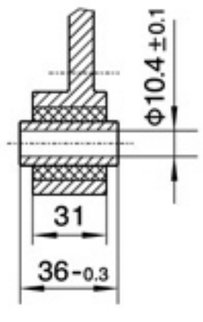
S..S37

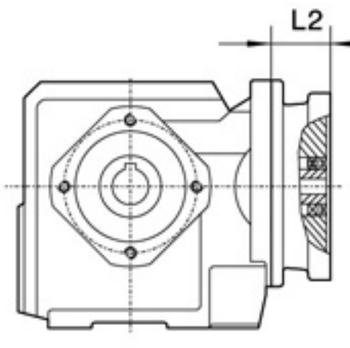


SAT37









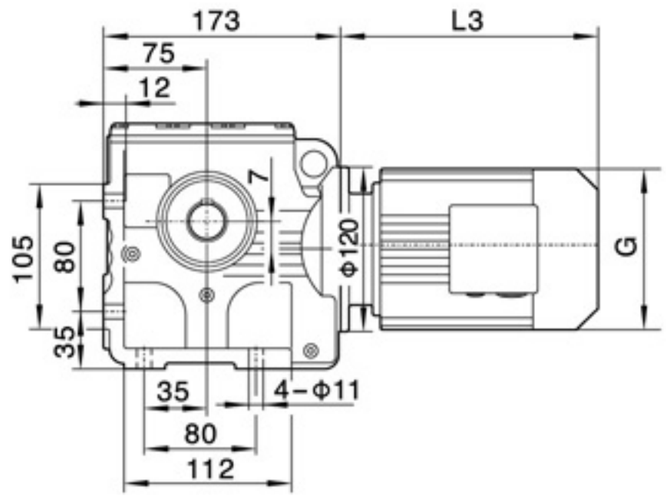
电机需方配或配特殊电机时需加联接法兰
When equipping the user's motor or the special one,the flange is required to connected.

注：其余尺寸见相对应结构形式
Note:For other values please refer to the opposited structure.

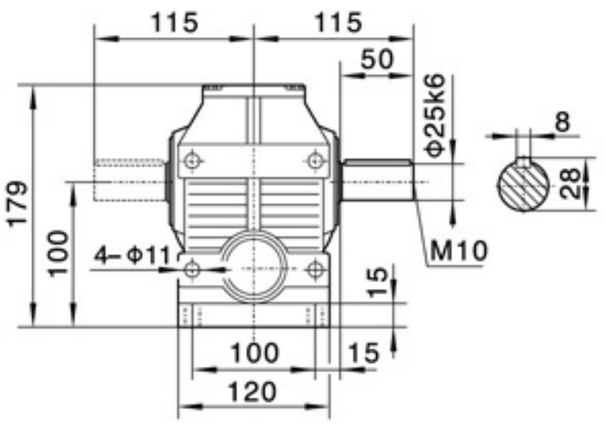
Y2电机机座号 Motor size	63	71		80			
功率/4P Power/(kW)	0.18	0.25	0.37	0.55	0.75		
L3	235	245		278			
G	130	145		175			
L2	70	70		97			

注:1.SA、SF、SAF、SAZ壳体为通用件,安装尺寸均可相互参照.2."S.."表示S、SA、SF、SAF、SAZ
Note:1.The housings of SA、SF、SAF、SAZ are common parts.The mounting dimensions may consult each other. 2."S.."mean S、SA、SF、SAF、SAZ

S

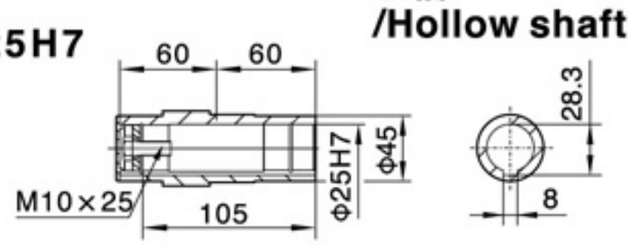


S47

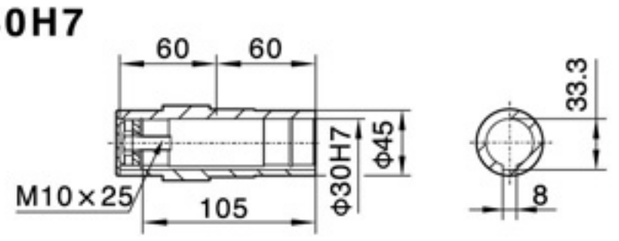


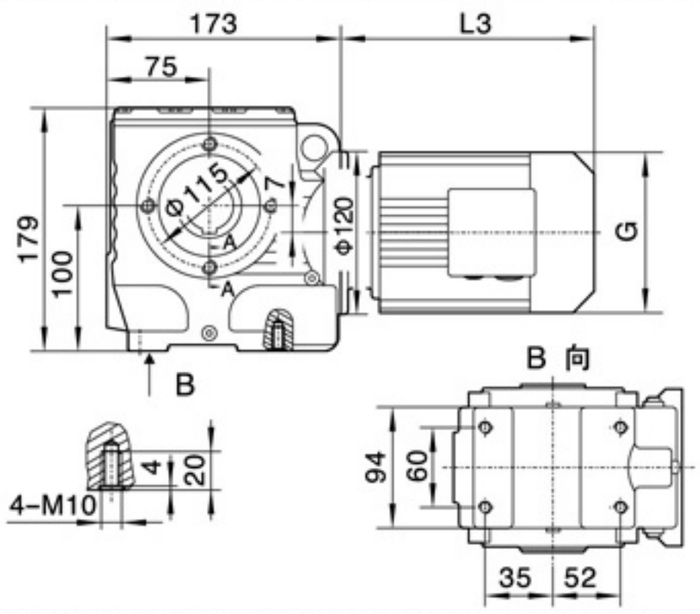
SA47/SAZ47/SAF47空心轴 /Hollow shaft

Φ25H7

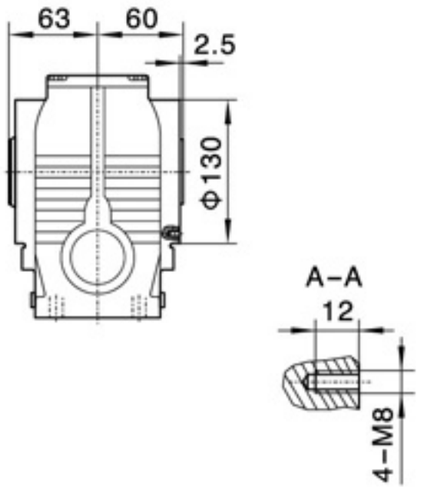


Φ30H7

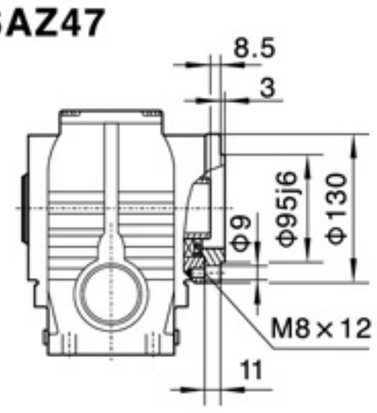


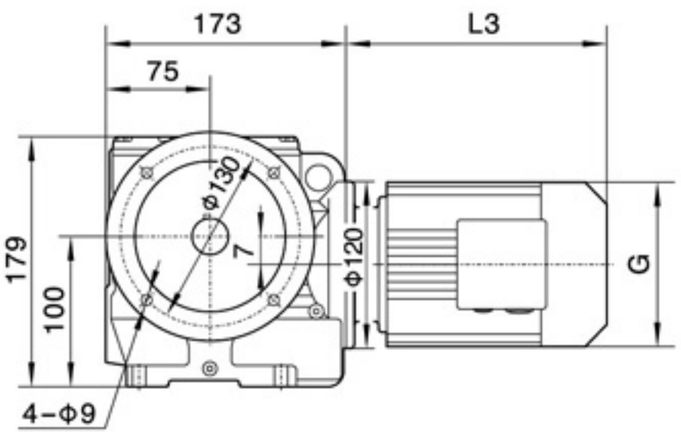


SA47

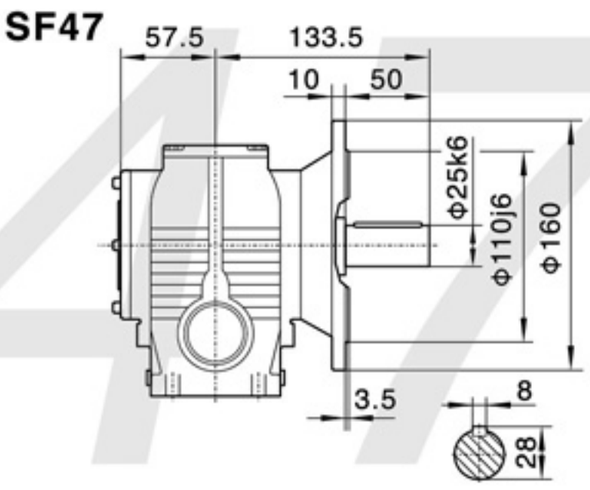


SAZ47

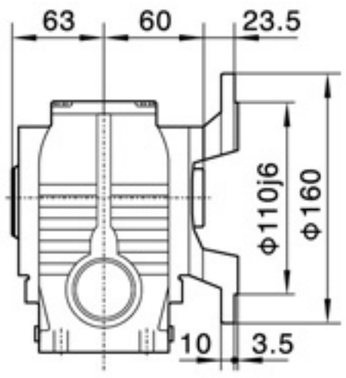


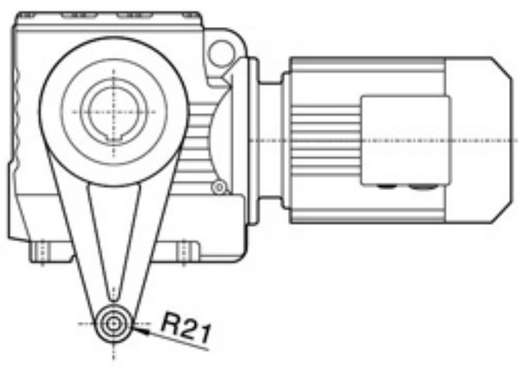


SF47

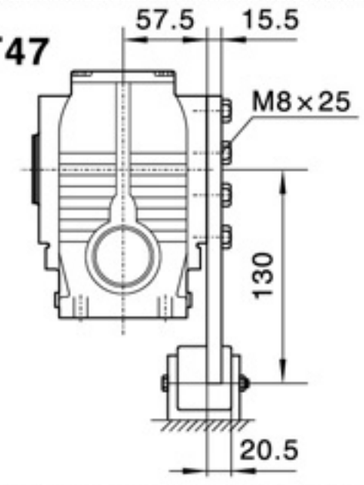


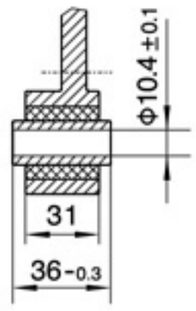
SAF47



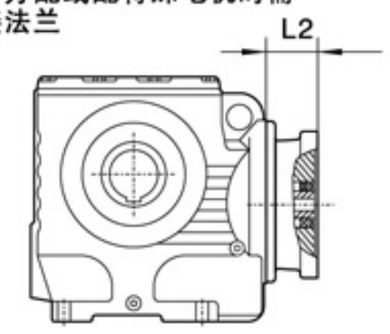


SAT47



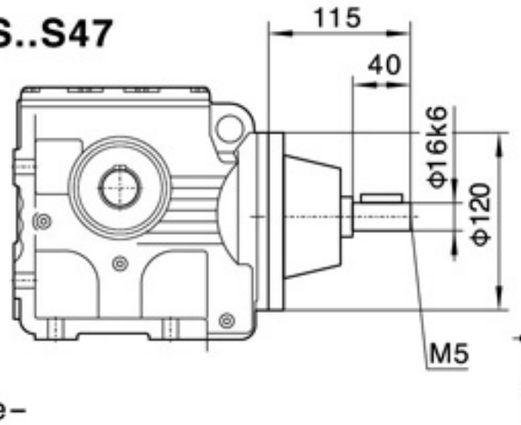


电机需方配或配特殊电机时需加联接法兰

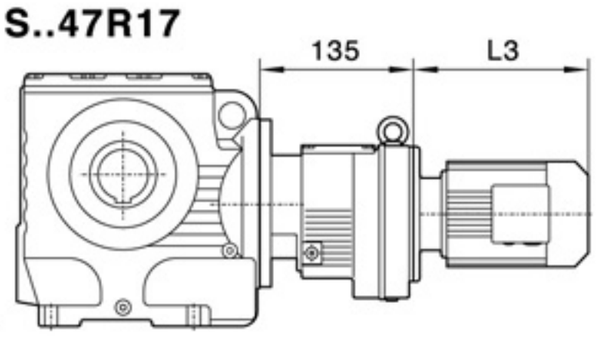


When equipping the user's motor or the special one, the flange is required to connected.

S..S47



S..47R17



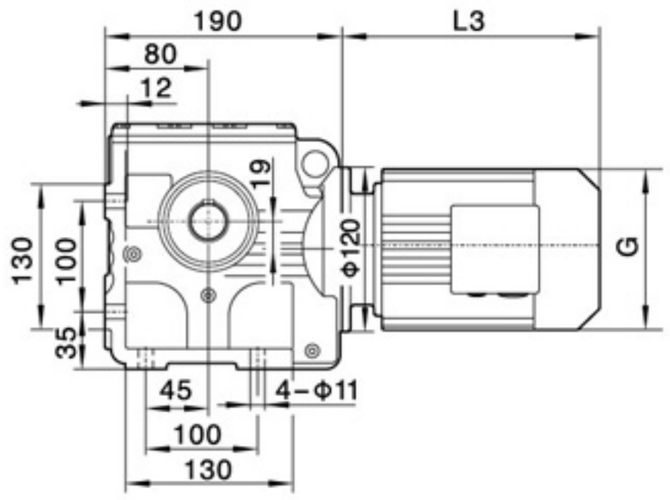
注：其余尺寸见相对应结构形式

Note:For other values please refer to the opposited structure.

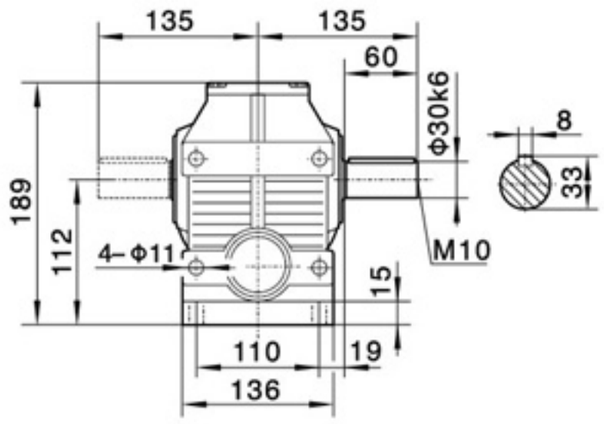
Y2电机机座号 Motor size	63	71		80		90S	90L			
功率/4P Power/(kW)	0.18	0.25	0.37	0.55	0.75	1.1	1.5			
L3	235	245		278		304	328			
G	130	145		175		195	195			
L2	70	70		97		97	97			

注:1.SA、SF、SAF、SAZ壳体为通用件,安装尺寸均可相互参照.2."S.."表示S、SA、SF、SAF、SAZ

Note:1.The housings of SA、SF、SAF、SAZ are common parts.The mounting dimensions may consult each other. 2."S.."mean S、SA、SF、SAF、SAZ

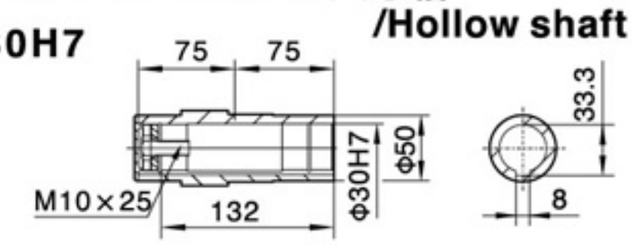


S57

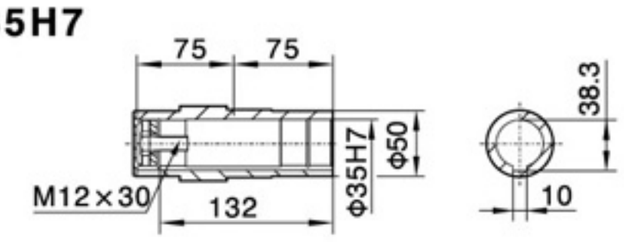


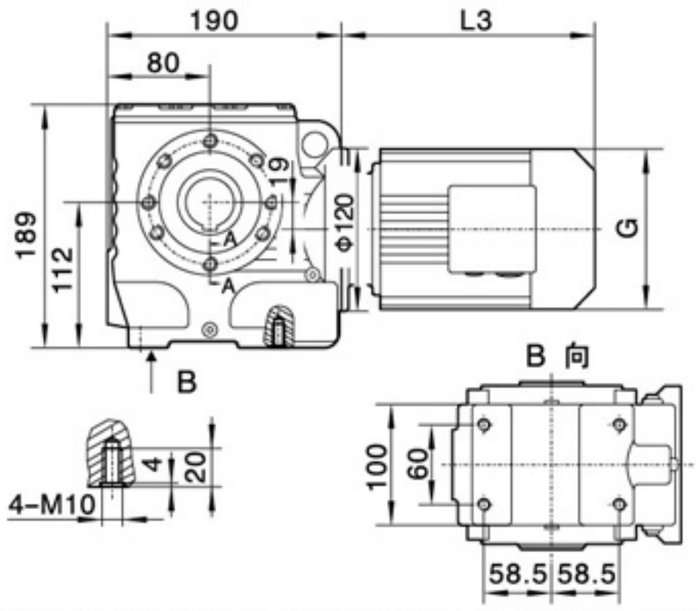
SA57/SAZ57/SAF57空心轴 /Hollow shaft

Φ30H7

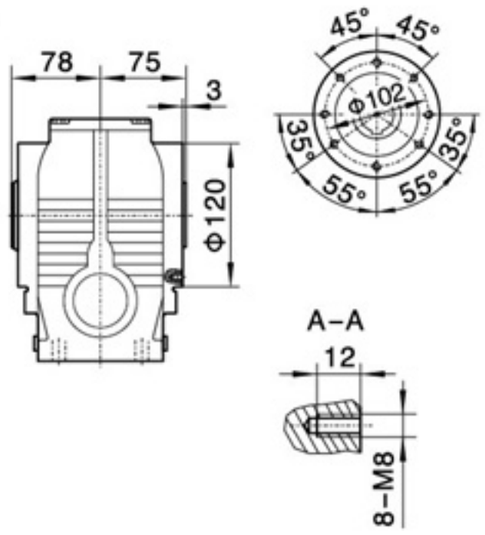


Φ35H7

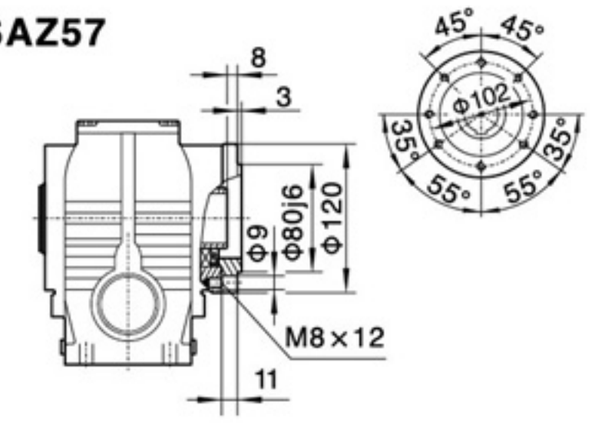




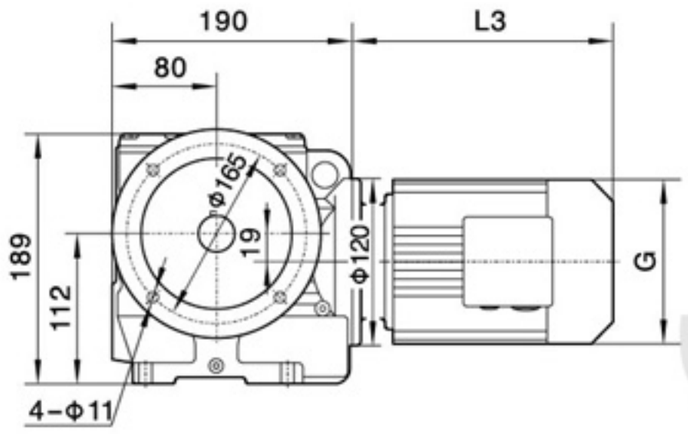
SA57

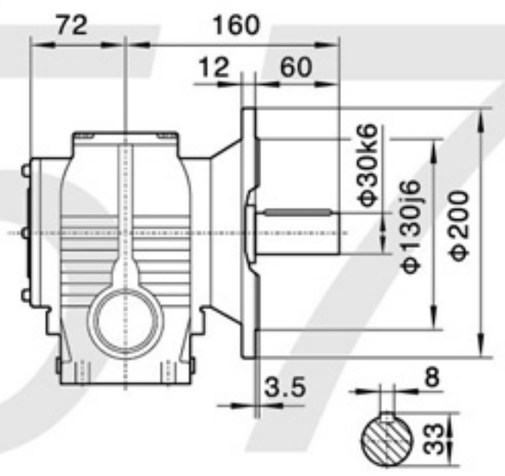


SAZ57

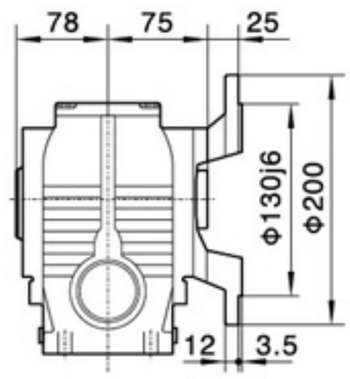


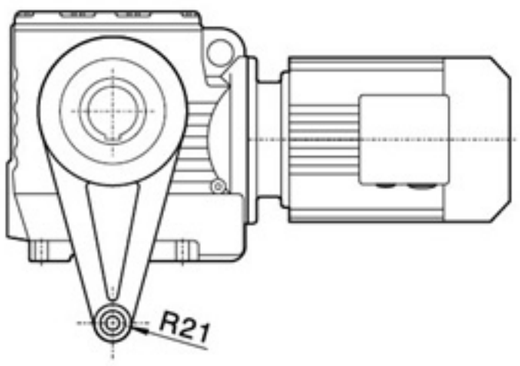
SF57



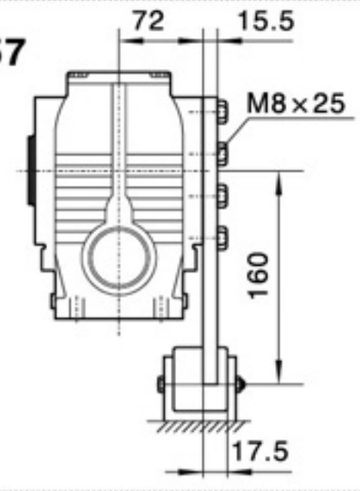


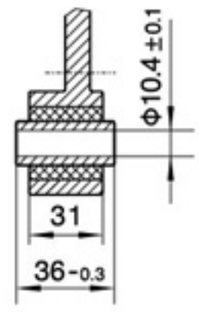
SAF57



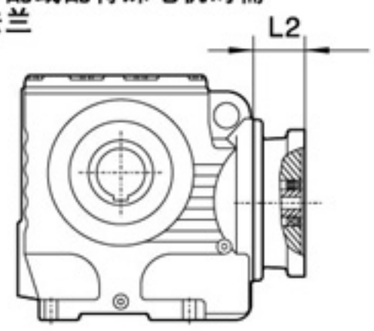


SAT57



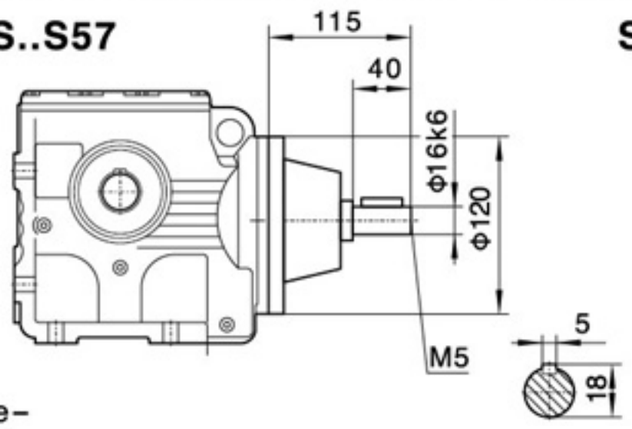


电机需方配或配特殊电机时需加联接法兰

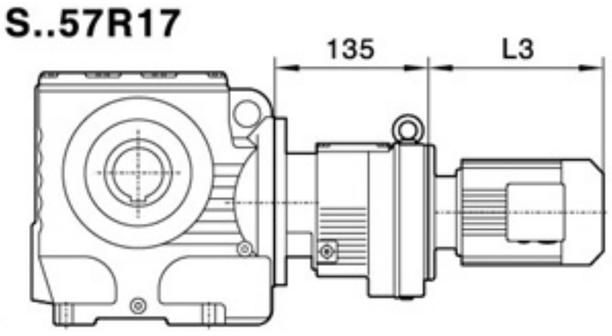


When equipping the user's motor or the special one, the flange is required to connected.

S..S57



S..57R17



注：其余尺寸见相对应结构形式

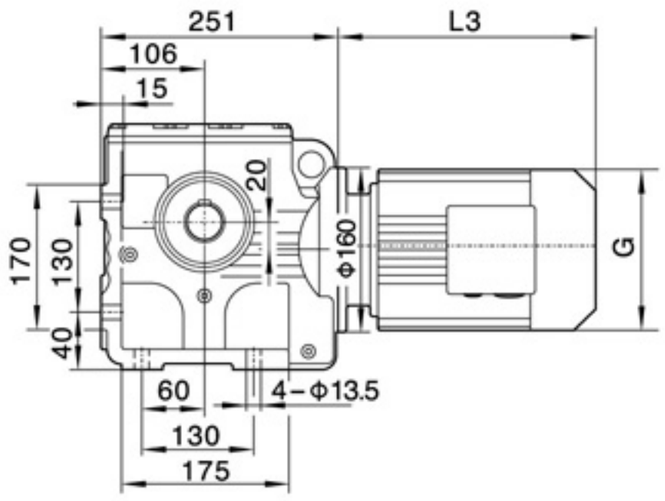
Note:For other values please refer to the opposited structure.

Y2电机机座号 Motor size	63	71	80		90S	90L	100				
功率/4P Power/(kW)	0.18	0.37	0.55	0.75	1.1	1.5	2.2	3.0			
L3	235	245	278		304	328	340				
G	130	145	175		195	195	215				
L2	70	70	97		97	97	109				

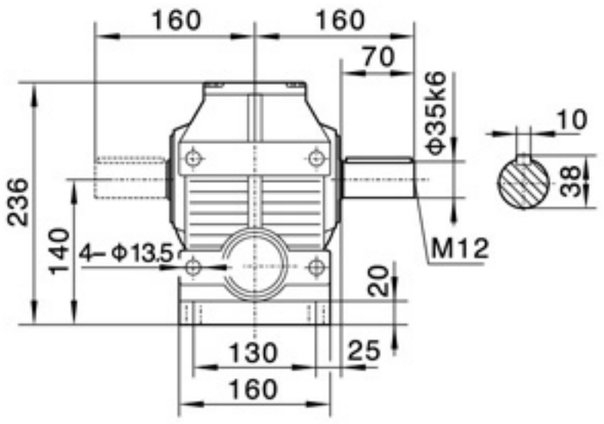
注:1.SA、SF、SAF、SAZ壳体为通用件,安装尺寸均可相互参照.2."S.."表示S、SA、SF、SAF、SAZ

Note:1.The housings of SA、SF、SAF、SAZ are common parts.The mounting dimensions may consult each other. 2."S.."mean S、SA、SF、SAF、SAZ

S

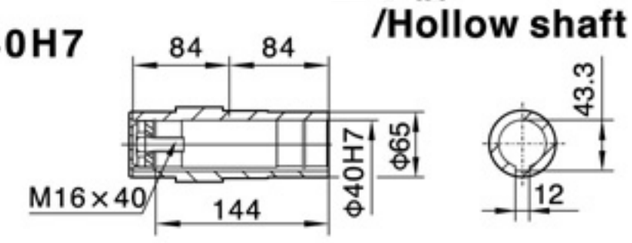


S67

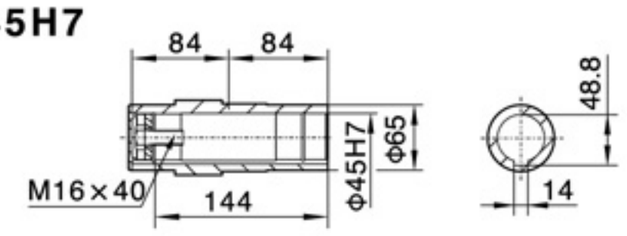


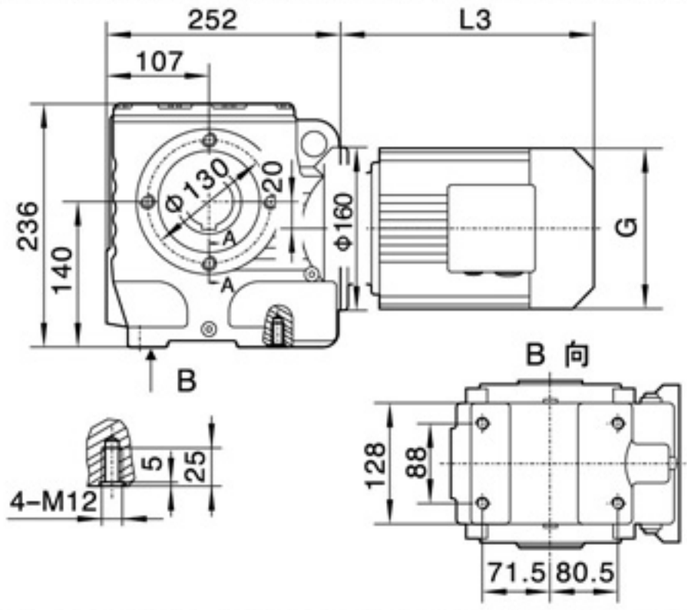
SA67/SAZ67/SAF67空心轴 /Hollow shaft

Φ40H7

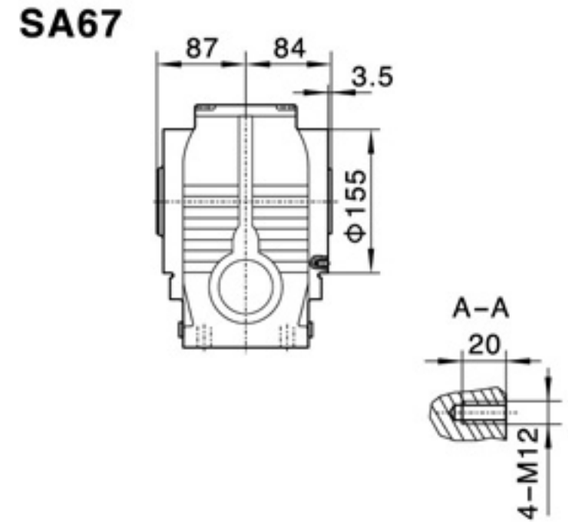


Φ45H7

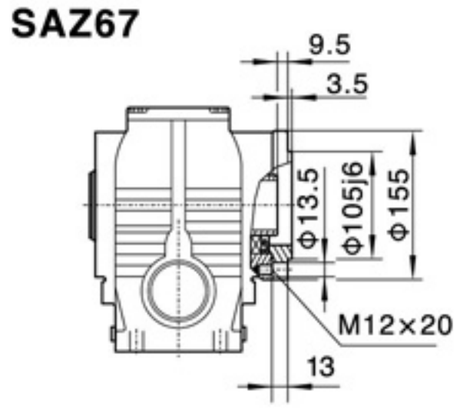


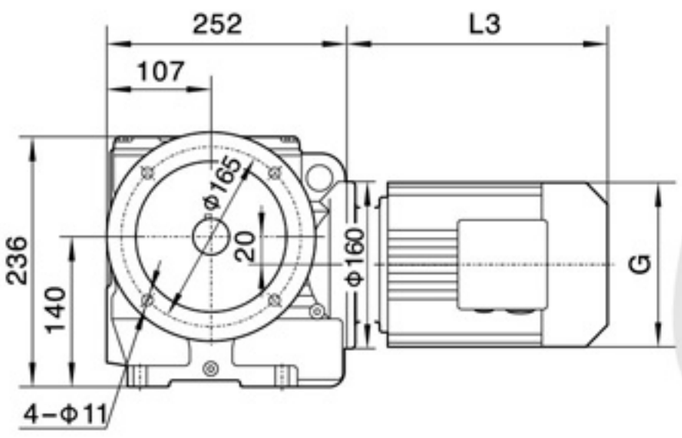


SA67

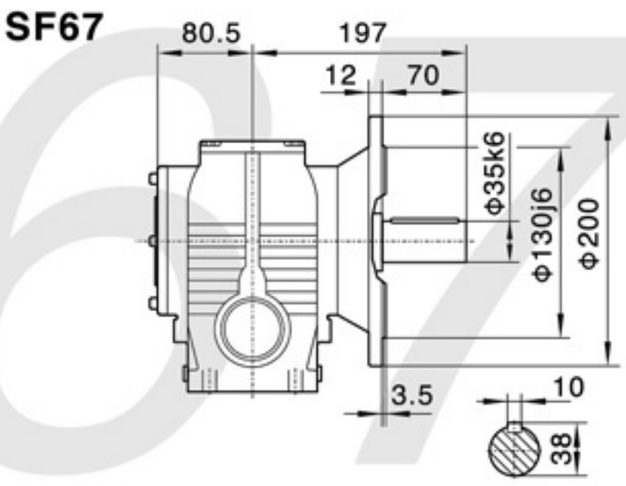


SAZ67

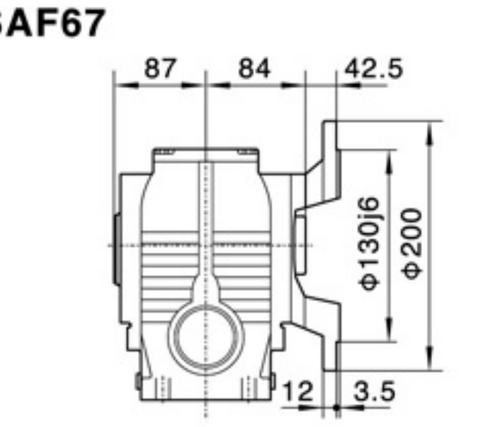


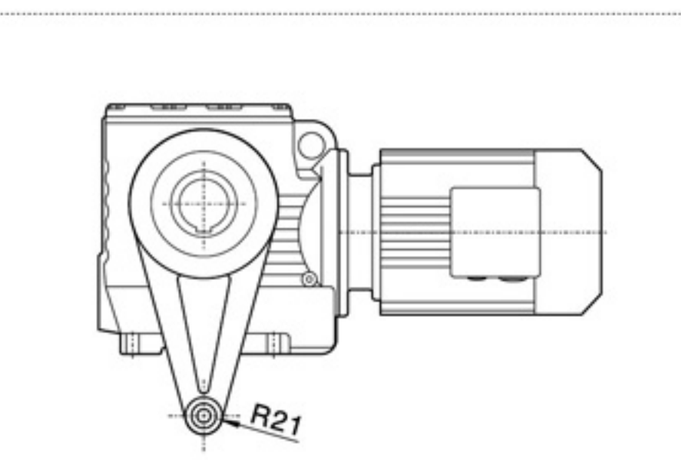


SF67

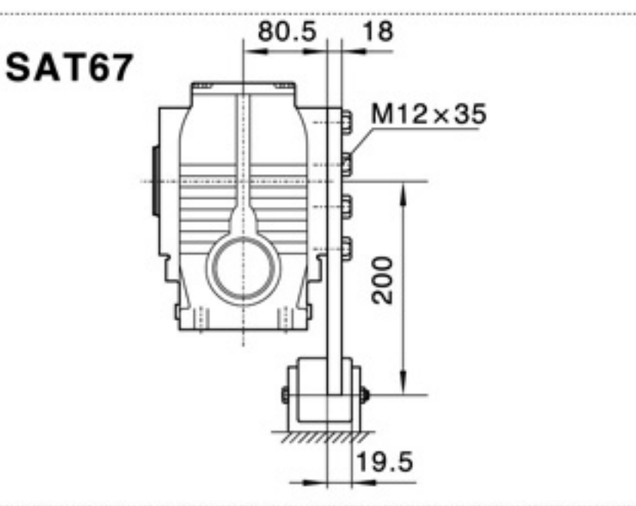


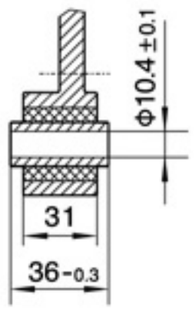
SAF67



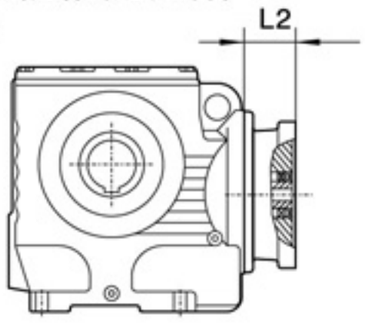


SAT67



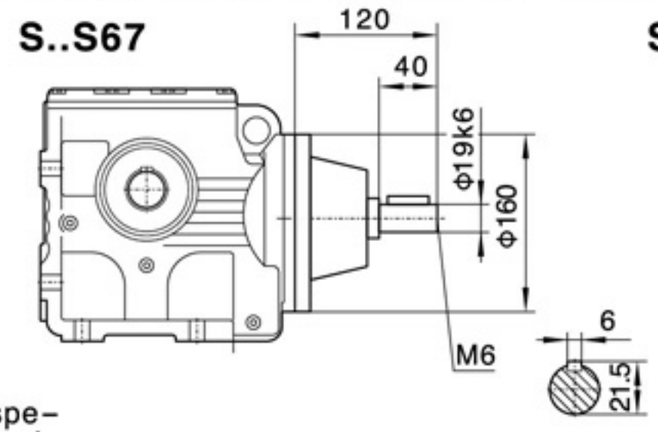


电机需方配或配特殊电机时需加联接法兰

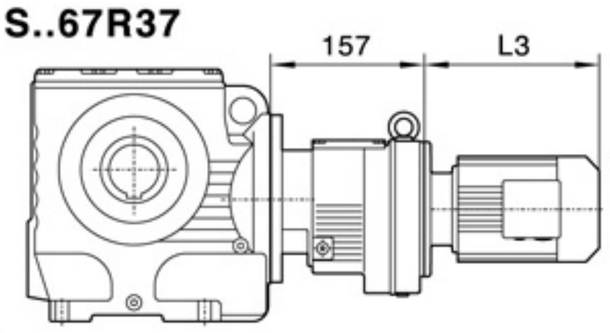


When equipping the user's motor or the special one, the flange is required to connected.

S..S67



S..67R37



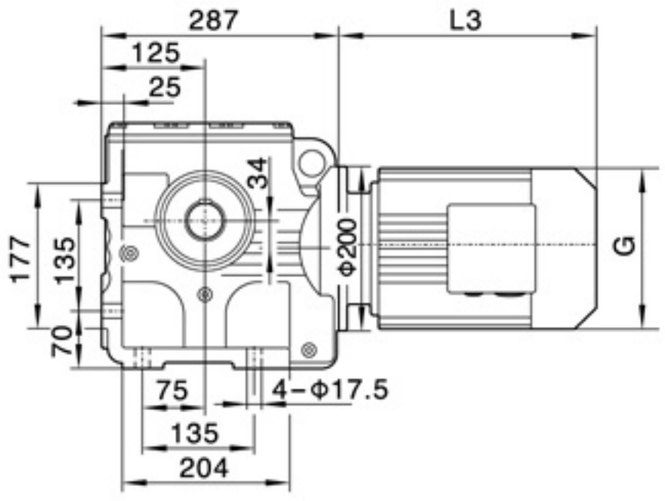
注：其余尺寸见相对应结构形式

Note:For other values please refer to the opposited structure.

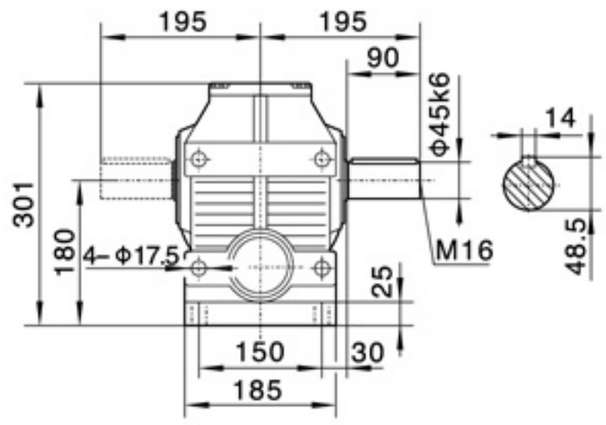
Y2电机机座号 Motor size	71		80		90S	90L	100		112M	132S			
功率/4P Power/(kW)	0.25	0.37	0.55	0.75	1.1	1.5	2.2	3.0	4.0	5.5			
L3	245		278		304	328	350		380	425			
G	145		175		195	195	215		240	275			
L2	70		91		91	91	103		103	90			

注:1.SA、SF、SAF、SAZ壳体为通用件,安装尺寸均可相互参照.2."S.."表示S、SA、SF、SAF、SAZ

Note:1.The housings of SA、SF、SAF、SAZ are common parts.The mounting dimensions may consult each other. 2."S.."mean S、SA、SF、SAF、SAZ

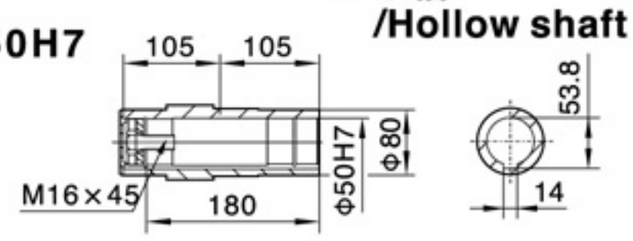


S77

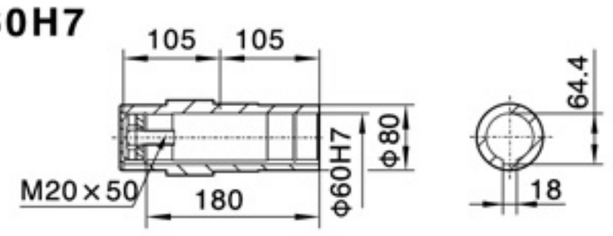


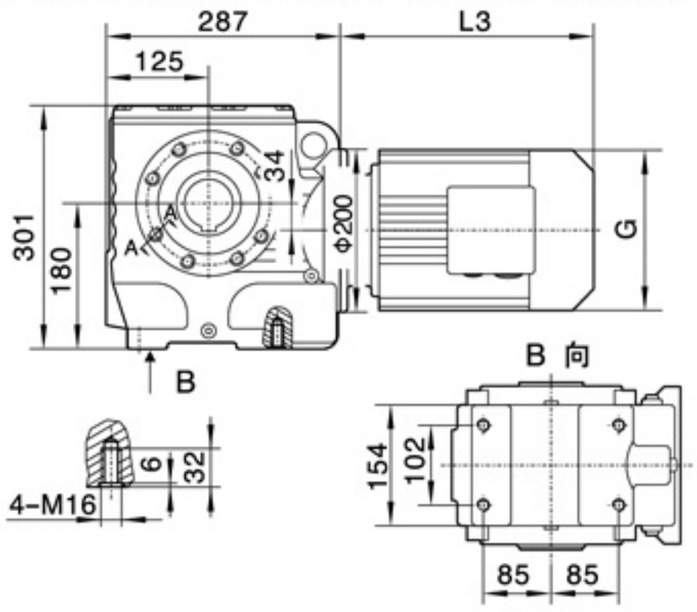
SA77/SAZ77/SAF77空心轴 /Hollow shaft

Φ50H7

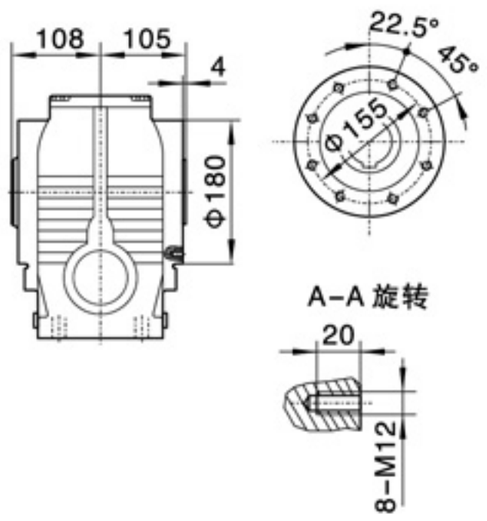


Φ60H7

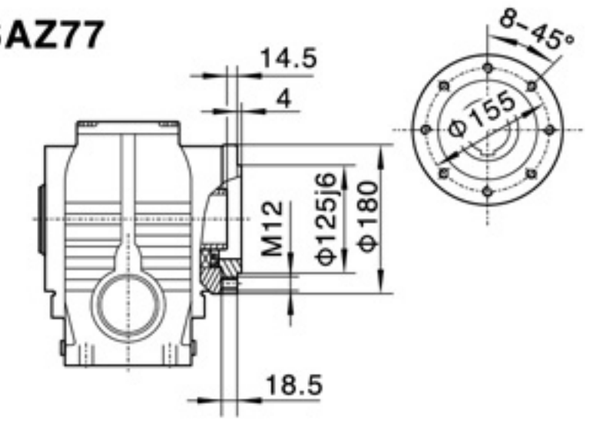


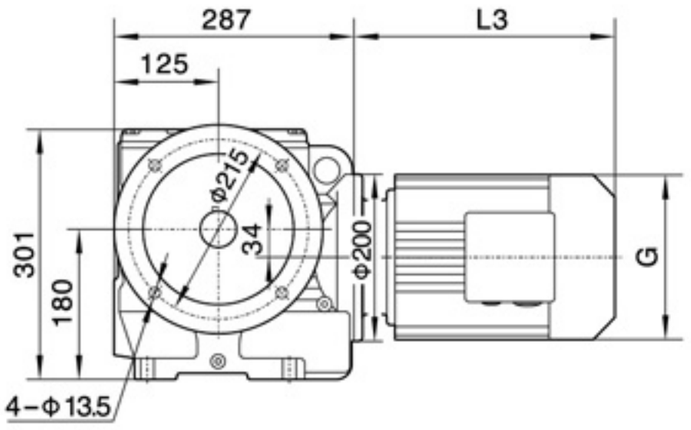


SA77

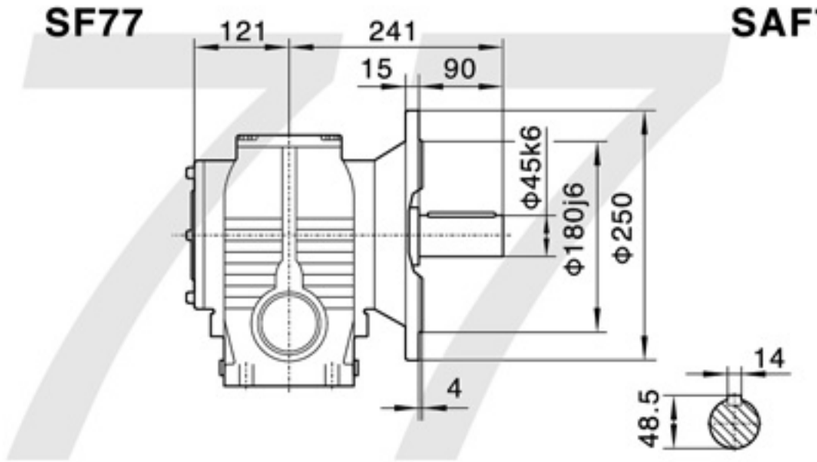


SAZ77

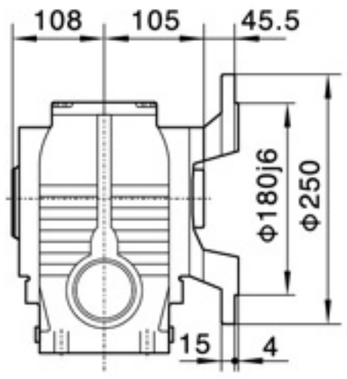


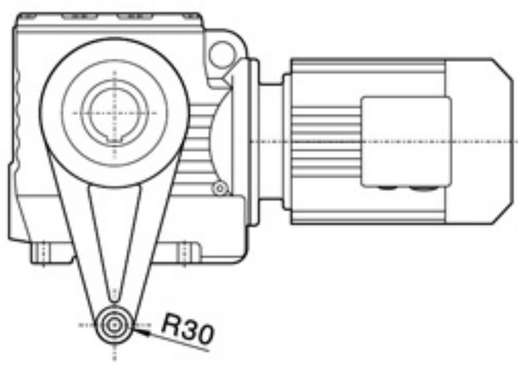


SF77

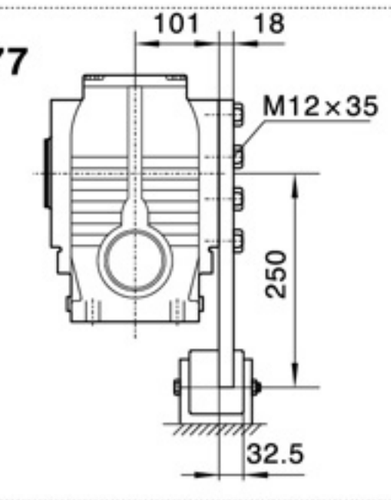


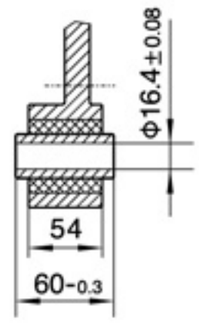
SAF77



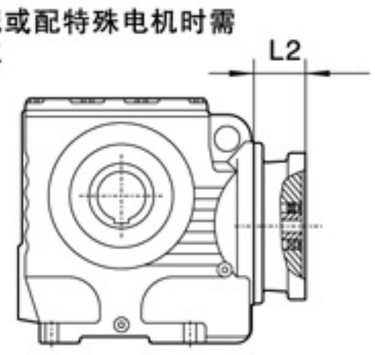


SAT77



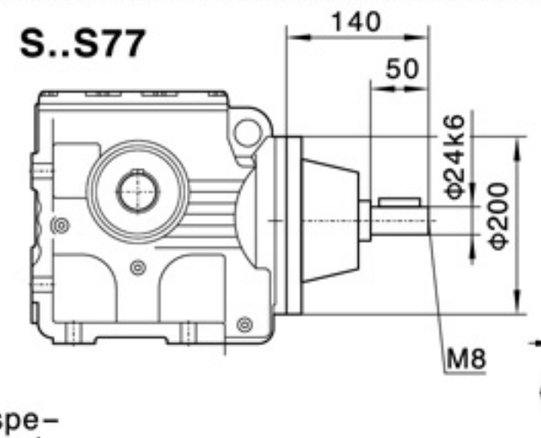


电机需方配或配特殊电机时需加联接法兰

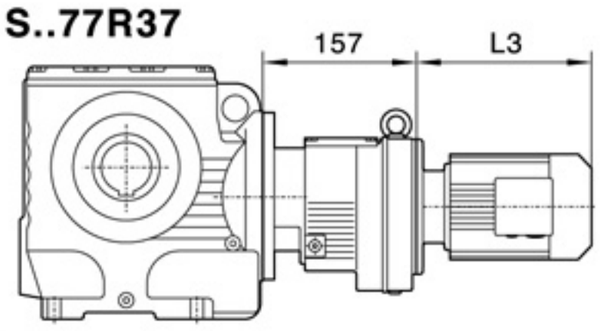


When equipping the user's motor or the special one, the flange is required to connected.

S..S77



S..77R37



注：其余尺寸见相对应结构形式

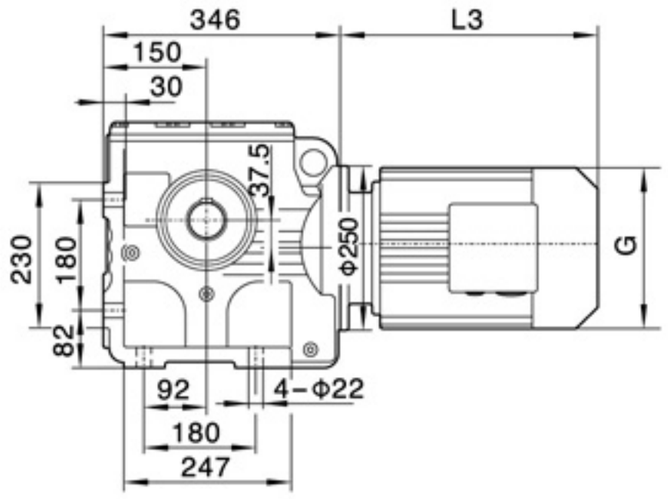
Note:For other values please refer to the opposited structure.

Y2电机机座号 Motor size	80		90S	90L	100		112M	132S	132M			
功率/4P Power/(kW)	0.55	0.75	1.1	1.5	2.2	3.0	4.0	5.5	7.5			
L3	278		304	328	350		380	425	461			
G	175		195	195	215		240	275	275			
L2	81		81	81	93		93	106	106			

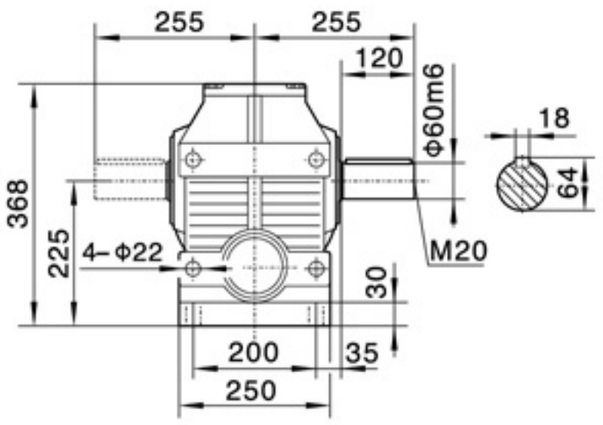
注:1.SA、SF、SAF、SAZ壳体为通用件,安装尺寸均可相互参照.2."S.."表示S、SA、SF、SAF、SAZ

Note:1.The housings of SA、SF、SAF、SAZ are common parts.The mounting dimensions may consult each other. 2."S.."mean S、SA、SF、SAF、SAZ

S

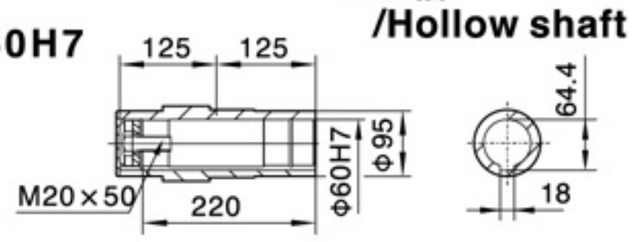


S87

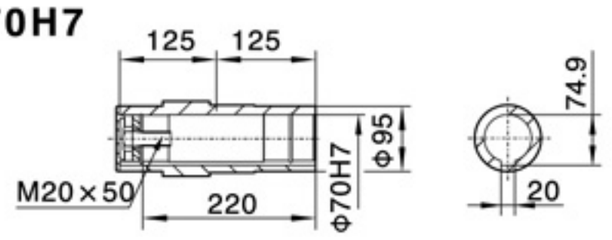


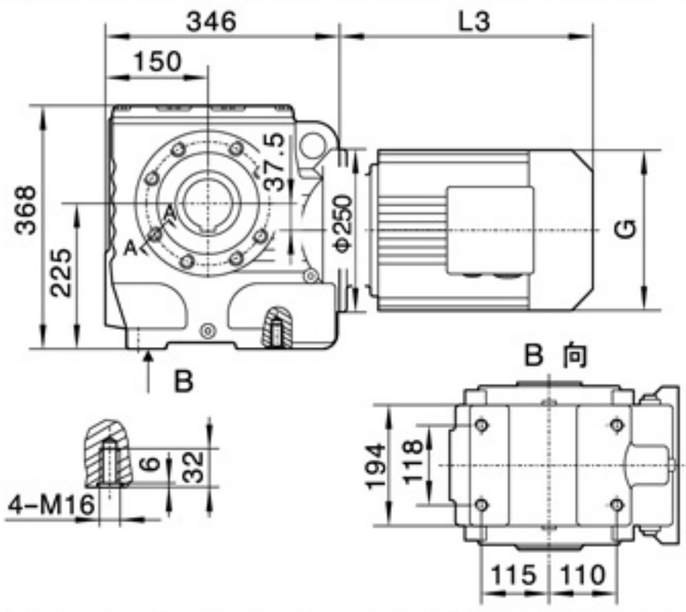
SA87/SAZ87/SAF87空心轴 /Hollow shaft

Φ60H7

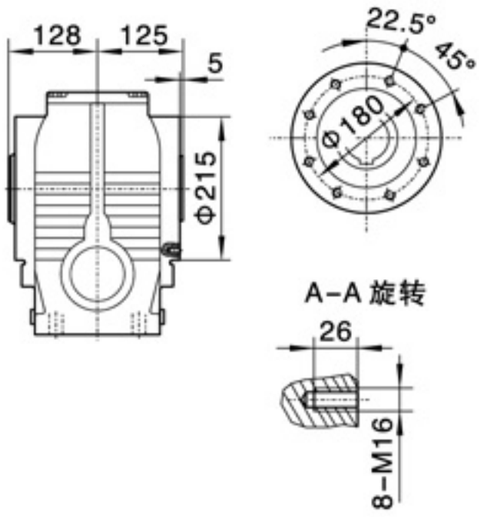


Φ70H7

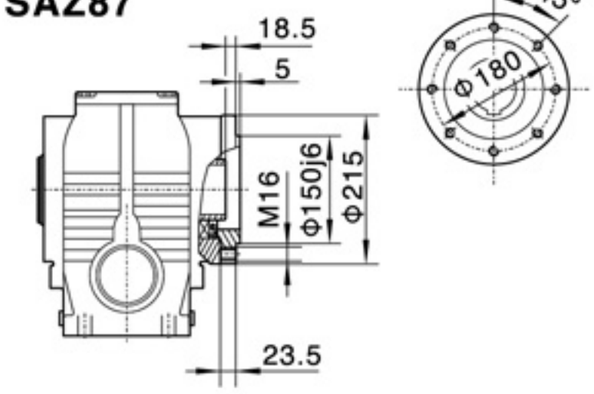


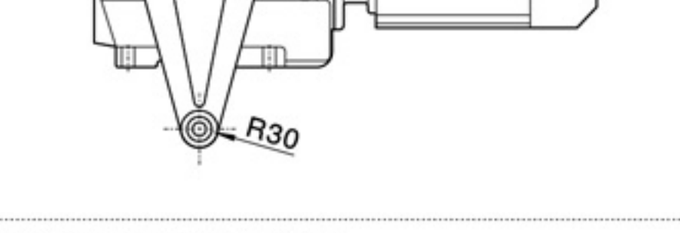


SA87

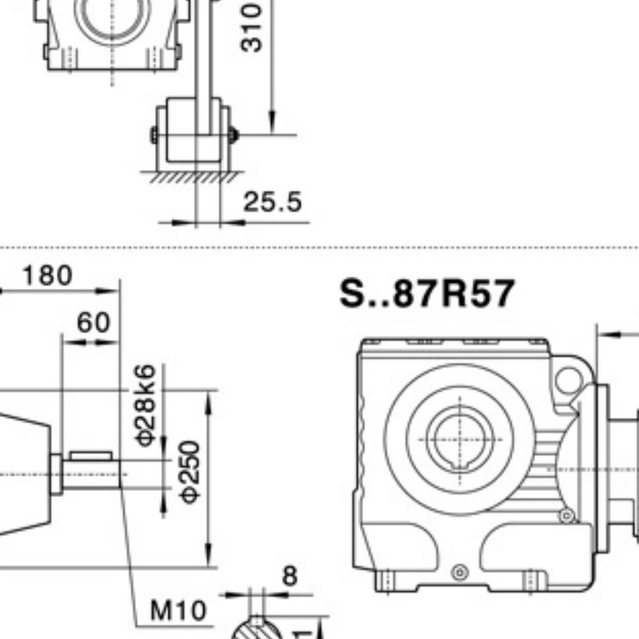


SAZ87

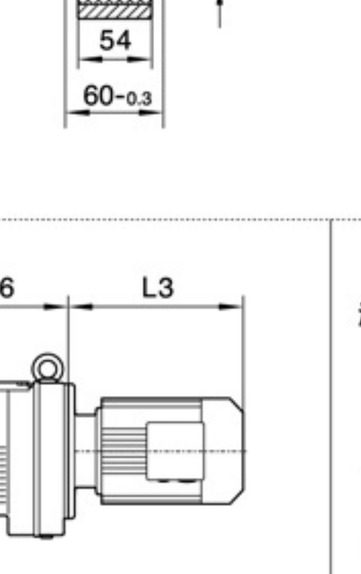




SF87

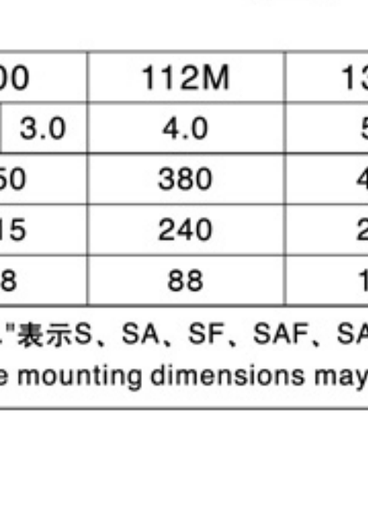


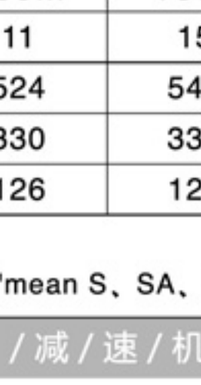
SAF87



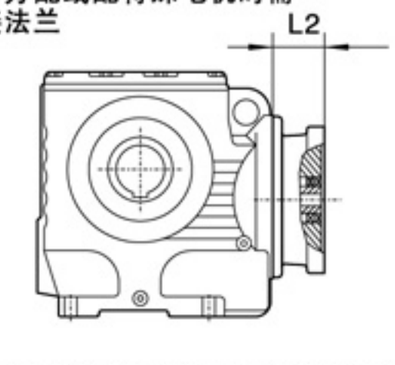


SAT87



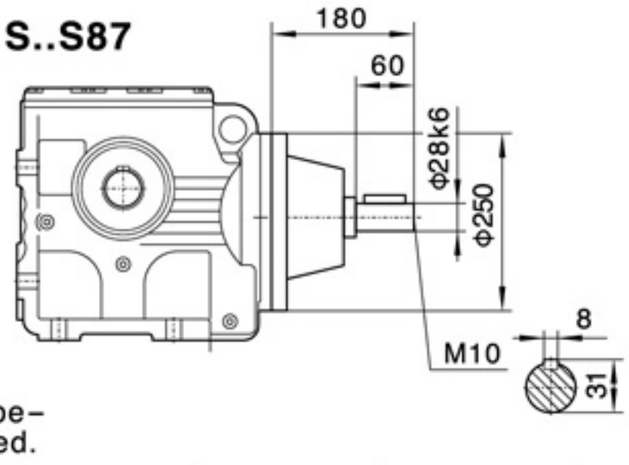


电机需方配或配特殊电机时需加联接法兰

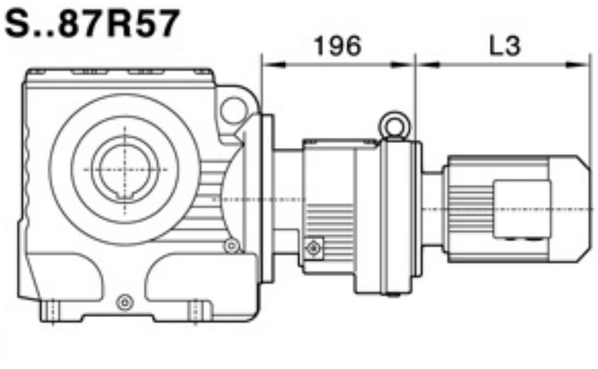


When equipping the user's motor or the special one, the flange is required to connected.

S..S87



S..87R57



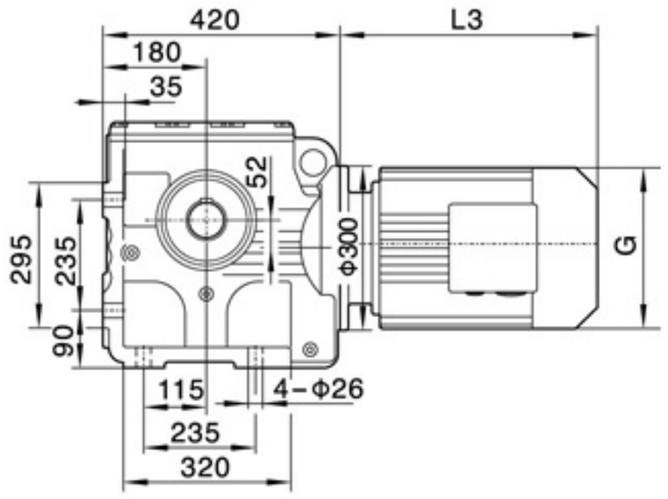
注：其余尺寸见相对应结构形式

Note:For other values please refer to the opposited structure.

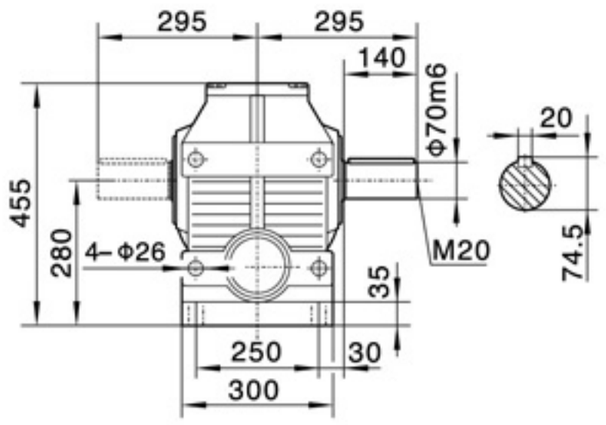
Y2电机机座号 Motor size	80	90S	90L	100	112M	132S	132M	160M	160L	
功率/4P Power/(kW)	0.75	1.1	1.5	2.2 / 3.0	4.0	5.5	7.5	11	15	
L3	246	280	304	350	380	425	461	524	547	
G	175	195	195	215	240	275	275	330	330	
L2	76	76	76	88	88	101	101	126	126	

注:1.SA、SF、SAF、SAZ壳体为通用件,安装尺寸均可相互参照.2."S.."表示S、SA、SF、SAF、SAZ

Note:1.The housings of SA、SF、SAF、SAZ are common parts.The mounting dimensions may consult each other. 2."S.."mean S、SA、SF、SAF、SAZ

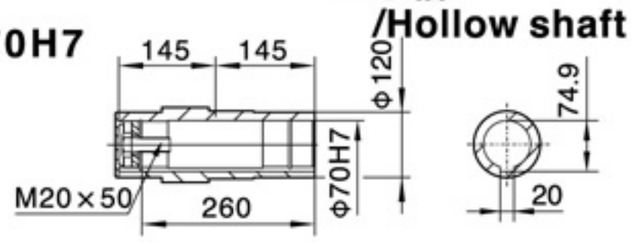


S97

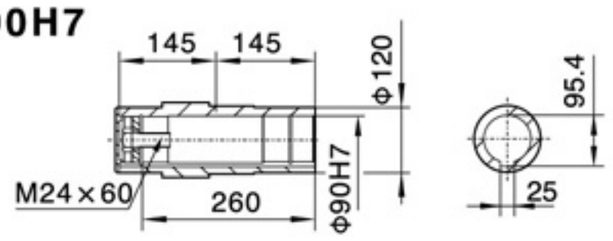


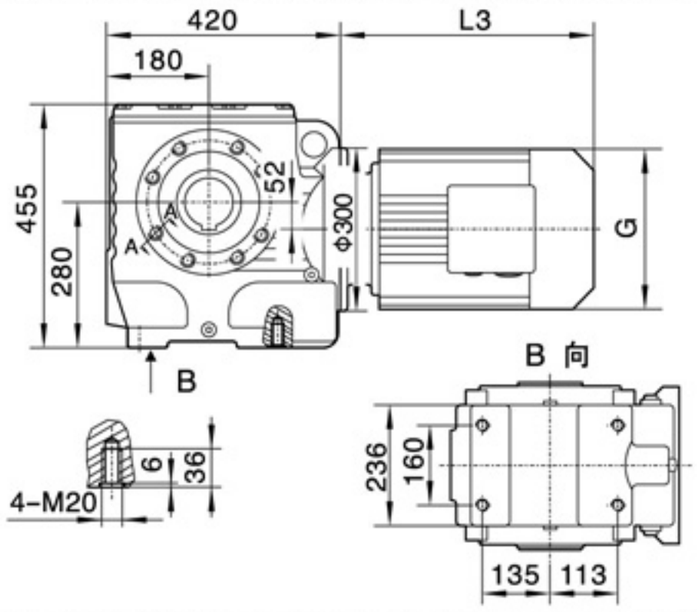
SA97/SAZ97/SAF97空心轴 /Hollow shaft

Φ70H7

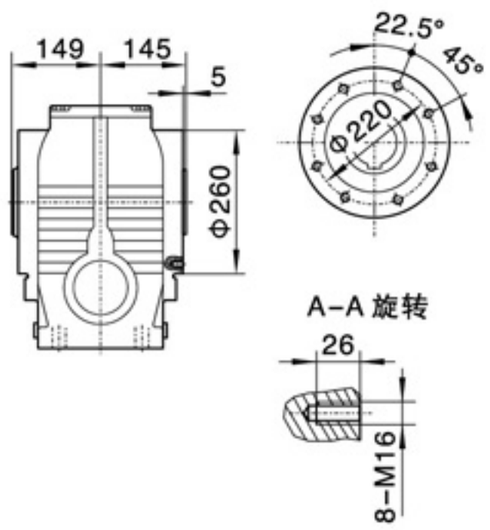


Φ90H7

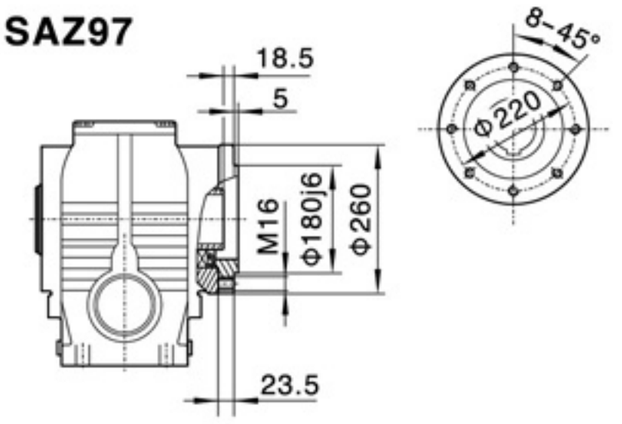


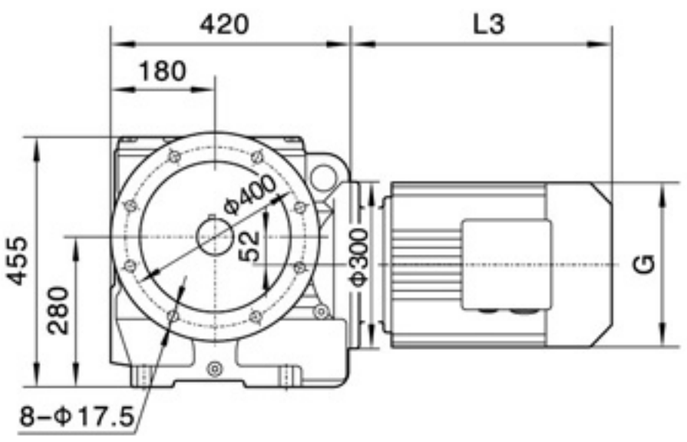


SA97

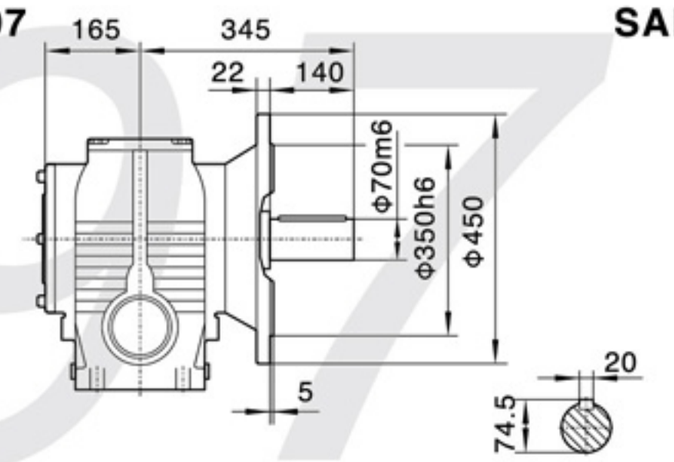


SAZ97

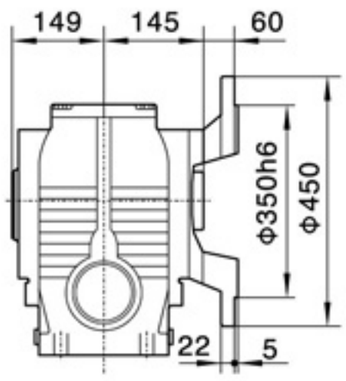


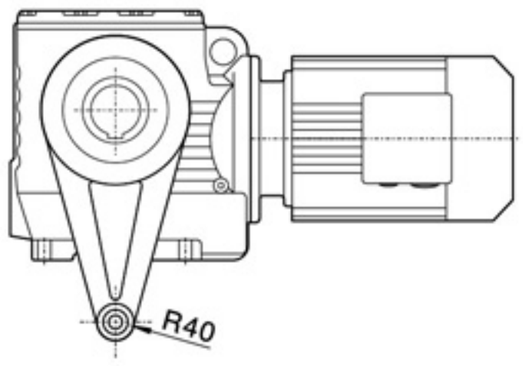


SF97

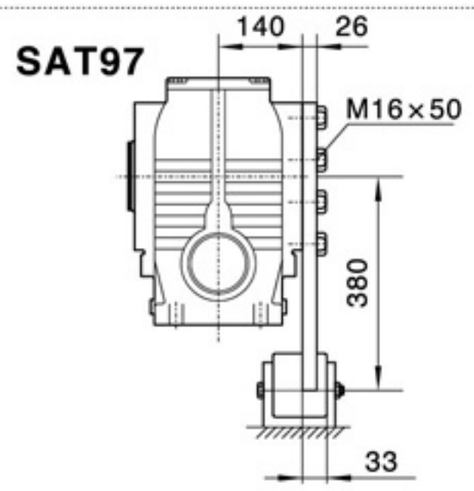


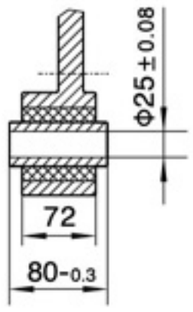
SAF97



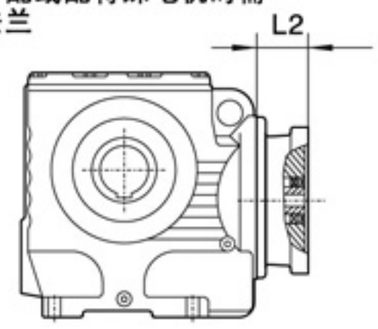


SAT97



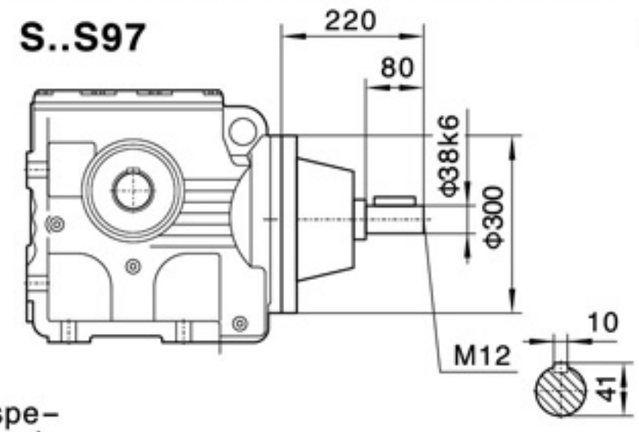


电机需方配或配特殊电机时需加联接法兰

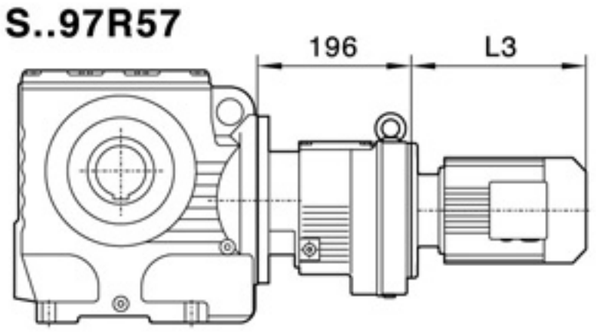


When equipping the user's motor or the special one, the flange is required to connected.

S..S97



S..97R57



注：其余尺寸见相对应结构形式

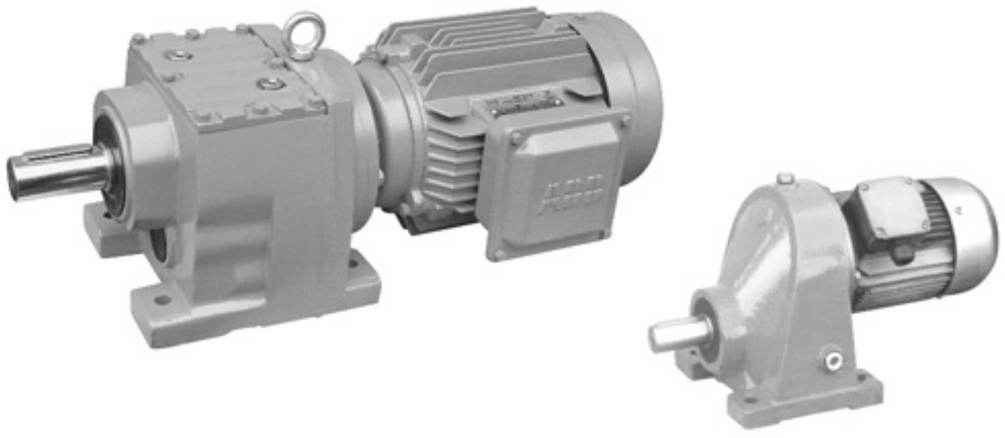
Note:For other values please refer to the opposited structure.

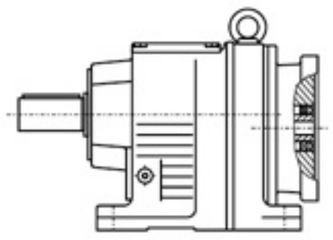
Y2电机机座号 Motor size	90L	100		112M	132S	132M	160M	160L	180M	180L	
功率/4P Power/(kW)	1.5	2.2	3.0	4.0	5.5	7.5	11	15	18.5	22	
L3	304	315		334	425	461	524	547	555	588	
G	195	215		240	275	275	330	330	380	380	
L2	86	75		75	95	95	118	118	118	118	

注:1.SA、SF、SAF、SAZ壳体为通用件,安装尺寸均可相互参照.2."S.."表示S、SA、SF、SAF、SAZ

Note:1.The housings of SA、SF、SAF、SAZ are common parts.The mounting dimensions may consult each other. 2."S.."mean S、SA、SF、SAF、SAZ

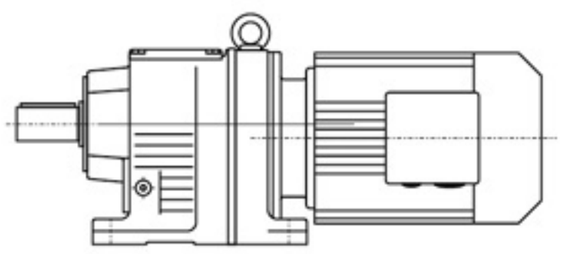
R



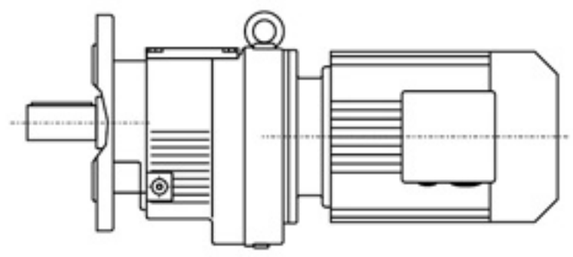


R（RF，RX，RXF）...Y...
电机用户自配或配特殊电机时
需加联接法兰
When equipping the user's motor or the special one,the flange is required to be connected

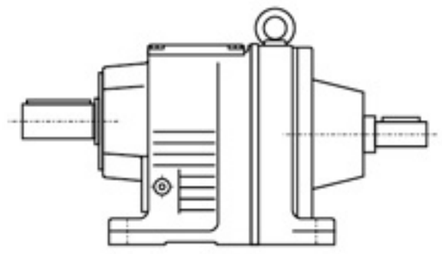
R系列减速机有以下设计方案：
R series gear units are available in the following designs:



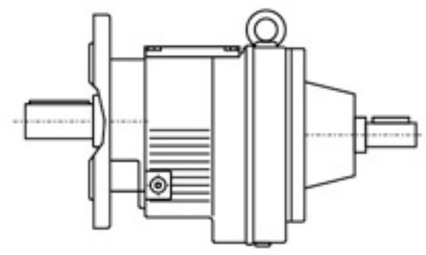
R...Y...
底脚轴伸式安装斜齿轮减速机
Foot-mounted helical gear units with solid shaft



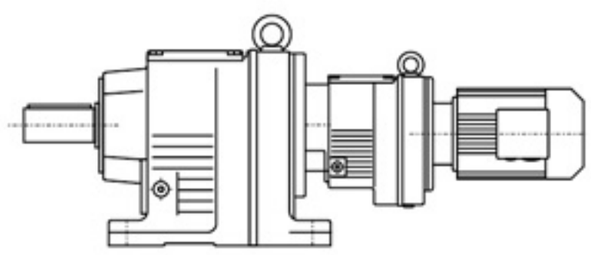
RF...Y...
法兰轴伸式安装斜齿轮减速机
Flange-mounted helical gear units with solid shaft



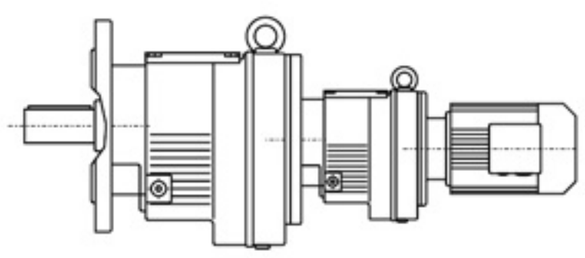
RS...
底脚轴伸式安装，轴输入的斜齿轮减速机
Foot-mounted ,shaft input helical gear units with solid shaft



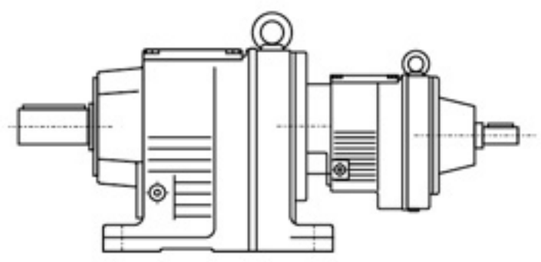
RFS...
法兰轴伸式，轴输入的斜齿轮减速机
Flange-mounted ,shaft input helical gear units with solid shaft



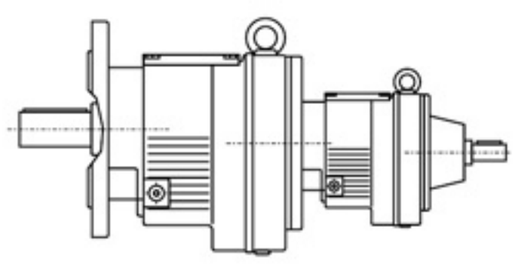
R...R...Y...
底脚轴伸式安装组合型斜齿轮减速机
Foot-mounted combinatorial helical gear units with solid shaft



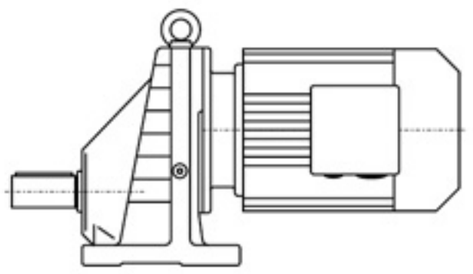
RF...R...Y...
法兰轴伸式组合型斜齿轮减速机
Flange-mounted combinatorial helical gear units with solid shaft



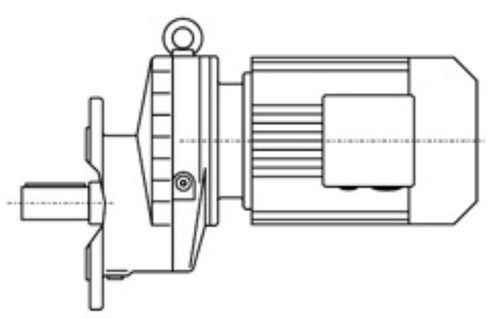
RS...R...
底脚轴伸式安装组合型，轴输入的斜齿轮减速机
Foot-mounted combinatorial, shaft input helical gear units with solid shaft



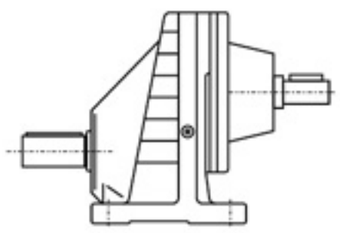
RFS...R...
法兰轴伸式组合型，轴输入的斜齿轮减速机
Flange-mounted combinatorial, shaft input helical gear units with solid shaft



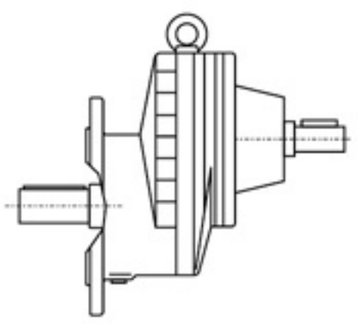
RX...Y...
底脚轴伸式安装单级斜齿轮减速机
Foot-mounted single-stage helical gear units with solid shaft



RXF...Y...
法兰轴伸式安装单级斜齿轮减速机
Flange-mounted single-stage helical gear units with solid shaft



RXS...
底脚轴伸式安装，轴输入的单级斜齿轮减速机
Foot-mounted,shaft input single-stage helical gear units with solid shaft



RXFS...
法兰轴伸式，轴输入的单级斜齿轮减速机
Flange-mounted,shaft input single-stage helical gear units with solid shaft



R

型号与标记：
Type Designations:

R F 37 – Y 0.55 – 4P – 32.40 – M1 – 270° – Φ200

减速机类型	Gear units type
结构形式	Structure
规格	Size
电机代号	Motor code
电机功率、极数	Motor power、pole
传动比	Ratio
安装形式	Mounting position
电机接线盒位置	Position of the motor thermal box
输出法兰外径	Outer diameter of output flange

减速机类型：	Gear units type:
斜齿轮硬齿面减速机	rigid tooth flank helical gear units

结构形式：		Structure:	
普通轴伸式 (省略)		Foot–mounted solid shaft output	(–)
轴伸法兰式	F	Flange–mounted solid shaft output	F
普通轴伸式，轴输入	S	Foot–mounted solid shaft output, shaft input	S
轴伸法兰式，轴输入	FS	Flange–mounted solid shaft output, shaft input	FS

规格：	Size:
(见选型参数表)	(see selection table)

电机代号：		Motor code:	
普通 (更新)	Y(Y2)	Ordinary(renew)	Y(Y2)
防　　爆	B	Flame–proof	B
直　　流	Z	Direct current	Z
制　　动	YEJ	Brake	YEJ
多　　速	D	Multi–speed	D
变　　频	YVP	Variable frequency	YVP
电磁调速	YCT	Electromagnetism speed modulation	YCT
冶金起重	R	Hoisting in metallurgy	R
变频制动	YVPJ	Variable frequency and brake	YVPJ
辊　　道	G	Roller tables	G

电机功率、极数：	Motor power、pole ：
(见选型参数表)	(see selection table)

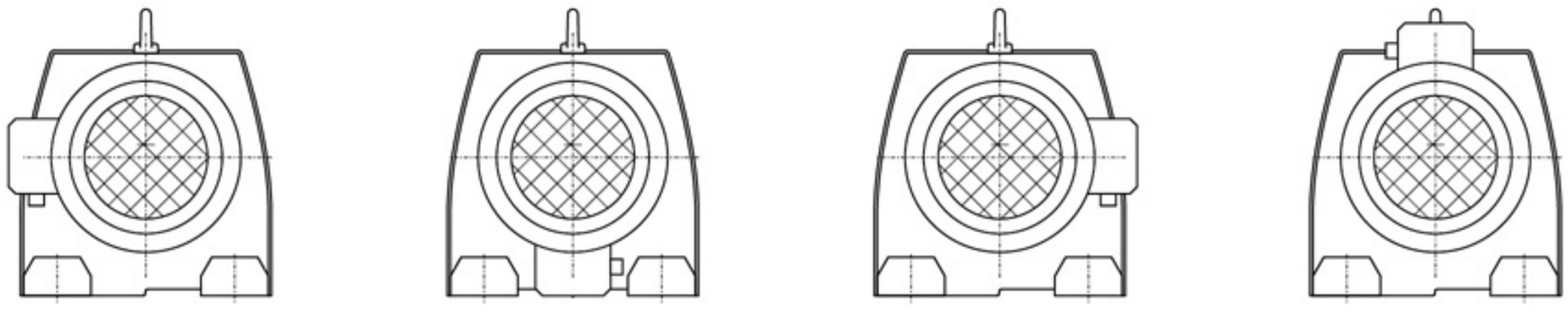
传动比：	Ratio:
(见选型参数表)	(see selection table)

安装形式：	Mounting position:
M1、M2、M3、M4、M5、M6 (见第32页)	M1、M2、M3、M4、M5、M6(see page 32)

电机接线盒位置：	Position of the motor thermal box:
0°、90°、180°、270°(见第31页)	0°、90°、180°、270°(see page 31)

输出法兰外径：	Outer diameter of output flange:
(见外型安装尺寸图)底脚安装时省略	(See the chart of mouting dimension sheets–overview) It will be omited when foot mouting.

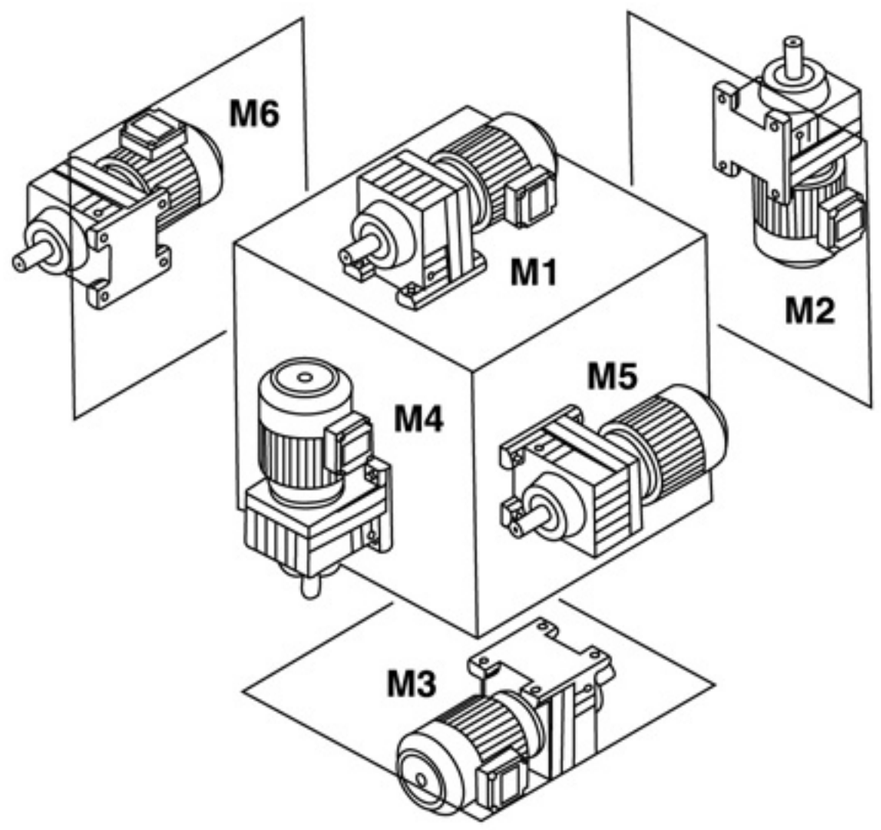
电机接线盒位置：
Position of the motor thermal box:

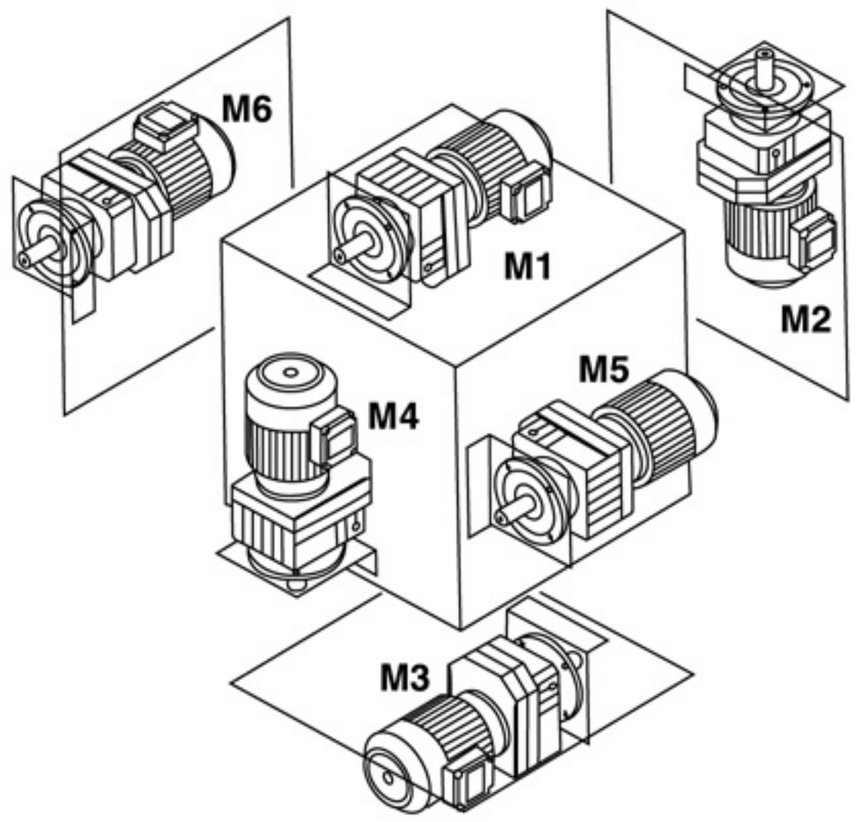


0°　90°　180°　270°

R

安装形式：
Mounting position:





输入功率及许用转矩
Input power rating and permissible torque

规格 Size	17	27	37	47	57	67	77	87	97	107	137	147	167
结构形式 Structure	R RF												
输入功率 Input power rating (kW)	0.18~0.75	0.18~3	0.18~3	0.18~5.5	0.18~7.5	0.18~7.5	0.18~11	0.55~22	0.55~30	2.2~45	5.5~55	11~90	11~160
传动比 Ratio	3.83~74.84	3.37~135.09	3.33~134.82	3.83~176.88	4.39~186.89	4.29~199.81	5.21~195.24	5.36~246.54	4.49~289.74	5.06~249.16	5.15~222.60	5.00~163.31	10.24~229.71
许用转矩 Permissible torque (N.m)	85	130	200	300	450	600	820	1550	3000	4300	8000	13000	18000

规格 Size	37	57	67	77	87	97	107	127	157
结构形式 Structure	RX RXF								
输入功率(kW) Input power rating	0.18~1.1	0.18~5.5	0.18~7.5	1.1~11	3~22	5.5~30	7.5~45	7.5~90	11~132
传动比 Ratio	1.62~4.43	1.3~5.5	1.4~6.07	1.42~8.00	1.39~8.65	1.42~8.23	1.44~6.63	1.51~6.2	1.57~6.2
许用转矩 (N.m) Permissible torque	20	70	135	215	400	600	830	1110	1680

减速机重量
Gear unit weight

规格 Size	R17	R27	R37	R47	R57	R67	R77	R87	R97	R107	R137	R147	R167
重量(kg) Weight	4	5.5	8.5	10	18	25	36	63	101	153	220	400	700
机 型 号 Gear unit type	RX37	RX57	RX67	RX77	RX87	RX97	RX107	RX127	RX157				
重量(kg) Weight	5	8	14	23	39	70	100	150	250				

所注重量为平均值，仅供参考
The weights are mean values,only for reference.

润滑油量表
Lubrication table

规格 Size	润滑油量（升） Fill quantity in liters					
	M1 1)	M2 1)	M3	M4	M5	M6
R17	0.25	0.6	0.35	0.6	0.35	0.35
R27	0.25/0.4	0.7	0.4	0.7	0.4	0.4
R37	0.3/1	0.9	1	1.1	0.8	1
R47	0.7/1.5	1.6	1.5	1.7	1.5	1.5
R57	0.8/1.7	1.9	1.7	2.1	1.7	1.7
R67	1.1/2.3	2.6/3.5	2.8	3.2	1.8	2
R77	1.2/3	3.8/4.3	3.6	4.3	2.5	3.4
R87	2.3/6	6.7/8.4	7.2	7.7	6.3	6.5
R97	4.6/9.8	11.7/14	11.7	13.4	11.3	11.7
R107	6/13.7	16.3	16.9	19.2	13.2	15.9
R137	10/25	28	29.5	31.5	25	25
R147	15.4/40	46.5	48	52	39.5	41
R167	27/70	82	78	88	66	69

规格 Size	润滑油量（升） Fill quantity in liters					
	M1 1)	M2 1)	M3	M4	M5	M6
RF17	0.25	0.6	0.35	0.6	0.35	0.35
RF27	0.25/0.4	0.7	0.4	0.7	0.4	0.4
RF37	0.4/1	0.9	1	1.1	0.8	1
RF47	0.75/1.5	1.6	1.5	1.7	1.5	1.5
RF57	0.8/1.7	1.8	1.7	2	1.7	1.7
RF67	1.2/2.5	2.7/3.6	2.7	3.1	1.9	2.1
RF77	1.2/2.6	3.8/4.1	3.3	4.1	2.4	3
RF87	2.4/6	6.8/7.9	7.1	7.7	6.3	6.4
RF97	5.1/10.2	11.9/14	11.2	14	11.2	11.8
RF107	6.3/14.9	15.9	17	19.2	13.1	15.9
RF137	9.5/25	27	29	32.5	25	25
RF147	16.4/42	47	48	52	42	42
RF167	26/70	82	78	88	65	71

规格 Size	润滑油量（升） Fill quantity in liters					
	M1	M2	M3	M4	M5	M6
RX37/RXF37	0.45/0.4	0.6	1.1/0.9	1.1/0.9	0.7/0.6	0.7/0.6
RX57/RXF57	0.6/0.5	0.8	1.3/1.1	1.3/1.1	0.9/0.7	0.9/0.7
RX67/RXF67	0.8/0.7	0.8	1.7/1.5	1.9/1.7	1.1/1	1.1/1
RX77/RXF77	1.1/0.9	1.5	2.6/2.4	2.7/2.5	1.6	1.6
RX87/RXF87	1.7/1.6	2.5	4.8/4.9	4.8/4.7	2.9	2.9
RX97/RXF97	2.1	3.4/3.6	7.4/7.1	7	4.8	4.8
RX107/RXF107	3.9/3.1	5.6/5.9	11.6/11.2	11.9/10.5	7.7/7.2	7.7/7.2
RX127/RXF127	5.6/5.9	11.6/11.2	21.9/20.5	22.7/22.2	9.7/9.2	9.7/9.2
RX157/RXF157	11.6/11.2	21.9/20.5	31.3/30.5	32.7/32.2	13.2/12.7	13.2/12.7

注：1）表示减速机为组合型时低速级所加油量为大值。
Notes: 1)The large gear unit of multi-stage gear units must be filled with the larger oil volume.

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输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
0.18kW					
0.16	9293	8443	1.31		
0.19	8042	7307	1.52		
0.22	7096	6447	1.72		
0.25	6128	5568	1.99	R 147R77	4
0.29	5300	4815	2.31	RF147R77	4
0.32	4760	4325	2.57		
0.38	4038	3669	3.03		
0.43	3553	3228	3.44		
0.16	9668	8784	0.8		
0.19	8232	7479	0.91		
0.22	7057	6412	1.07		
0.24	6421	5834	1.17		
0.28	5504	5001	1.37		
0.30	5183	4709	1.45	R 137R77	4
0.32	4803	4364	1.57	RF137R77	4
0.35	4323	3928	1.74		
0.40	3868	3514	1.94		
0.42	3674	3338	2.05		
0.47	3224	2929	2.33		
0.31	4881	4435	0.83		
0.36	4260	3870	0.95		
0.42	3634	3302	1.11		
0.46	3299	2997	1.23		
0.53	2885	2621	1.40		
0.62	2479	2252	1.63		
0.68	2246	2041	1.80	R 107R77	4
0.71	2169	1971	1.86	RF107R77	4
0.77	1995	1813	2.03		
0.88	1747	1587	2.31		
1.0	1529	1389	2.64		
1.1	1338	1216	3.02		
0.51	2996	2722	0.94		
0.52	2937	2668	0.96		
0.60	2544	2311	1.11		
0.62	2471	2245	1.14		
0.67	2287	2078	1.23		
0.69	2219	2016	1.27		
0.80	1907	1733	1.48	R 97R57	4
0.86	1786	1623	1.58	RF97R57	4
0.97	1578	1434	1.79		
1.2	1328	1207	2.12		
1.3	1193	1084	2.36		
1.5	1028	934	2.74		
1.6	966	878	2.92		
1.8	831	755	3.39		
0.79	1912	1737	0.8		
0.80	1907	1733	0.85		
0.91	1677	1524	0.87		
0.93	1639	1489	0.89		
1.0	1535	1395	0.95		
1.1	1356	1232	1.07	R 87R57	4
1.2	1260	1145	1.16	RF87R57	4
1.3	1141	1037	1.28		
1.5	1025	931	1.42		
1.6	972	883	1.50		
1.7	883	802	1.65		
1.8	852	774	1.71		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
0.18kW					
1.6	944	858	0.82		
1.7	904	821	0.85		
1.8	833	757	0.93		
1.9	803	730	0.96		
2.1	739	671	1.04		
2.2	711	646	1.08	R 77R37	4
2.4	628	571	1.23	RF77R37	4
2.5	602	547	1.28		
2.9	525	477	1.47		
3.3	469	426	1.64		
3.8	402	365	1.92		
4.5	341	310	2.26		
2.4	628	571	0.90		
2.5	617	561	0.91		
2.9	532	483	1.06		
3.2	482	438	1.17	R 67R37	4
3.6	427	388	1.32	RF67R37	4
4.1	370	336	1.53		
4.8	316	287	1.79		
5.5	281	255	2.01		
3.0	518	471	0.82		
3.1	488	443	0.87		
3.4	451	410	0.94		
3.9	395	359	1.07		
4.3	357	324	1.19		
4.4	351	319	1.20		
4.8	319	290	1.33	R 57R37	4
5.2	294	267	1.44	RF57R37	4
5.3	288	262	1.47		
5.7	271	246	1.56		
5.8	265	241	1.59		
6.3	242	220	1.75		
6.5	237	215	1.79		
7.4	207	188	2.04		
8.7	175	159	2.42		
4.6	331	301	0.85		
5.5	281	255	1.00	R 47R37	4
6.1	251	228	1.12	RF47R37	4
7.1	215	195	1.31		
6.2	249	226	0.8		
6.9	222	202	0.85		
7.0	219	199	0.86		
7.8	197	179	0.95	R 37R17	4
8.9	173	157	1.09	RF37R17	4
9.1	172	156	1.11		
9.3	165	150	1.14		
9.9	155	141	0.8		
10	149	135	0.82		
11	136	124	0.90	R 27R17	4
12	130	118	0.94	RF27R17	4
13	121	110	1.01		
14	114	104	1.07		
15	103	94	1.18		
4.4	371	195.24	2.1		
5.1	317	166.59	2.4		
5.8	277	145.67	2.8	R 77	6
6.1	263	138.39	2.9	RF77	6
7.0	231	121.42	3.3		



R

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
0.18kW					
7.1	227	195.24	3.4		
8.3	194	166.59	4.0	R 77	4
9.5	169	145.67	4.6	RF77	4
10	161	138.39	4.8		
4.3	380	199.81	1.48		
4.6	350	184.07	1.61		
5.4	301	158.14	1.88		
6.2	262	137.67	2.2		
6.6	245	128.97	2.3	R 67	6
7.5	217	113.94	2.6	RF67	6
8.0	201	105.83	2.8		
8.9	182	95.91	3.1		
9.9	164	86.11	3.4		
11	141	74.17	4.0		
12	133	69.75	4.3		
7.0	232	199.81	2.4		
7.6	214	184.07	2.6		
8.8	184	158.14	3.1	R 67	4
10	160	137.67	3.5	RF67	4
11	150	128.97	3.8		
12	132	113.94	4.3		
13	123	105.83	4.6		
4.5	355	186.89	1.19		
4.9	327	172.17	1.29	R 57	6
5.7	281	147.92	1.50	RF57	6
6.6	245	128.77	1.73		
7.0	229	120.63	1.84		
7.4	217	186.89	1.95		
8.1	200	172.17	2.1		
9.4	172	147.92	2.5	R 57	4
11	150	128.77	2.8	RF57	4
12	140	120.63	3.0		
13	124	106.58	3.4		
14	115	98.99	3.7		
15	104	89.71	4.1		
7.9	206	176.88	1.37		
8.5	189	162.94	1.49		
9.9	163	139.99	1.73		
11	142	121.87	1.99	R 47	4
12	133	114.17	2.1	RF47	4
14	117	100.86	2.4		
15	109	93.68	2.6		
16	99	84.90	2.9		
18	89	76.23	3.2		
6.9	235	123.66	0.80		
8.1	200	105.28	0.94	R 37	6
9.4	173	90.77	1.09	RF37	6
10	161	84.61	1.17		
10	157	134.82	1.20		
11	144	123.66	1.31		
13	122	105.28	1.54		
15	106	90.77	1.78		
16	98	84.61	1.91	R 37	4
19	86	73.96	2.2	RF37	4
20	81	69.33	2.3		
23	71	61.18	2.6		
25	65	55.76	2.9		
29	56	48.08	3.1		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
0.18kW					
11	144	123.91	0.85		
13	123	105.49	1.00		
15	106	90.96	1.16		
16	99	84.78	1.24		
19	86	74.11	1.42		
20	81	69.47	1.51		
23	71	61.30	1.71		
25	65	55.87	1.88		
29	56	48.17	2.2		
31	52	44.90	2.3	R 27	4
35	46	39.25	2.7	RF27	4
38	44	36.79	2.8		
43	39	32.47	3.2		
48	35	28.78	3.5		
49	34	28.37	3.6		
53	31	26.09	3.9		
57	29	24.47	4.2		
62	26	22.32	4.6		
72	23	19.35	5.3		
77	21	18.08	5.7		
89	19	15.63	6.6		
105	16	13.28	7.8		
37	45	23.13	1.78	R 17	6
40	41	21.22	1.94	RF17	6
47	35	18.06	2.28		
19	87	74.84	0.92		
22	75	64.52	1.07		
23	70	60.14	1.14		
26	61	52.57	1.31		
28	57	49.28	1.39		
32	51	43.49	1.58		
34	47	40.49	1.70		
39	41	35.40	1.94		
42	39	33.18	2.07		
47	34	29.28	2.3		
54	30	25.96	2.6		
60	27	23.13	2.9		
63	26	22.06	3.1		
66	25	21.22	3.2		
77	21	18.06	3.7		
89	18	15.57	4.3	R 17	4
96	17	14.52	4.6	RF17	4
110	15	12.69	5.3		
117	14	11.89	5.7		
132	12	10.5	5.9		
149	11	9.31	6.1		
176	10	7.91	6.2		
184	9	7.55	6.5		
197	8	7.04	7.0		
226	7.5	6.15	7.2		
241	7	5.76	7.3		
273	6	5.09	7.9		
308	5	4.51	8.4		
363	4.5	3.83	10		
140	12	6.07	3.4		
164	10	5.18	6.9	RX 67	6
188	9.0	4.53	8.6	RXF67	6
198	8.5	4.30	8.8		

R

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
0.18kW					
229	7.4	6.07	5.5		
268	6.3	5.18	11		
307	5.5	4.53	13		
323	5.2	4.30	14		
369	4.6	3.77	18	RX 67	4
434	3.9	3.20	24	RXF67	4
481	3.5	2.89	28		
547	3.1	2.54	36		
579	2.9	2.40	40		
681	2.5	2.04	51		
155	11	5.50	3.36		
168	10	5.07	3.37	RX 57	6
195	8.6	4.35	7.4	RXF57	6
224	7.5	3.79	8.5		
253	6.7	5.50	5.50		
274	6.1	5.07	5.51		
320	5.3	4.35	12		
367	4.6	3.79	14		
392	4.3	3.55	15		
443	3.8	3.14	16	RX 57	4
478	3.5	2.91	18	RXF57	4
527	3.2	2.64	20		
586	2.9	2.37	23		
681	2.5	2.04	26		
724	2.3	1.92	28		
842	2.0	1.65	32		
426	4	3.26	3.80	RX 37	4
527	3	2.64	4.69	RXF37	4
0.25kW					
0.14	14894	9743	0.82		
0.16	12907	8443	0.95		
0.19	11170	7307	1.09		
0.22	9855	6447	1.24	R 147R77	4
0.25	8512	5568	1.44	RF147R77	4
0.29	7361	4815	1.66		
0.32	6612	4325	1.85		
0.38	5609	3669	2.18		
0.43	4935	3228	2.48		
0.49	4331	2833	2.82		
0.24	8918	5834	0.84		
0.28	7645	5001	0.98		
0.30	7199	4709	1.04		
0.32	6671	4364	1.13		
0.35	6142	4018	1.22		
0.37	6005	3928	1.25	R 137R77	4
0.40	5372	3514	1.40	RF137R77	4
0.42	5103	3338	1.47		
0.47	4478	2929	1.68		
0.52	4063	2658	1.85		
0.58	3687	2414	2.0		
0.67	3169	2073	2.4		
0.76	2811	1839	2.7		
0.99	2136	1397	3.5		
1.1	1874	1226	4.0		
0.46	4609	3015	0.88		
0.71	3013	1971	1.34		
0.77	2772	1813	1.46		
0.88	2426	1587	1.67	R 107R77	4
1.0	2123	1389	1.90	RF107R77	4
1.1	1859	1216	2.2		
1.5	1417	927	2.9		
1.7	1241	812	3.3		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
0.25kW					
0.69	3082	2016	0.92		
0.76	2787	1823	1.01		
0.80	2649	1733	1.06		
0.86	2481	1623	1.14		
0.88	2420	1583	1.17	R 97R57	4
1.0	2134	1396	1.32	RF97R57	4
1.1	1877	1228	1.50		
1.3	1633	1068	1.73		
1.5	1432	937	1.97		
1.7	1260	824	2.2		
1.9	1127	737	2.5		
2.2	965	631	2.9		
1.2	1750	1145	0.83		
1.3	1585	1037	0.92		
1.5	1423	931	1.02		
1.6	1350	883	1.08		
1.7	1226	802	1.19		
1.8	1183	774	1.23	R 87R57	4
2.0	1044	683	1.40	RF87R57	4
2.3	916	599	1.59		
2.6	803	525	1.82		
3.1	694	454	2.1		
5.2	408	267	3.6		
2.4	873	571	0.88		
2.5	836	547	0.92		
2.9	729	477	1.06		
3.3	651	426	1.18	R 77R37	4
3.8	556	364	1.39	RF77R37	4
4.5	477	312	1.62		
4.6	474	310	1.63		
5.6	379	248	2.03		
6.3	335	219	2.3		
3.6	593	388	0.95		
3.9	549	359	1.03		
4.1	514	336	1.10		
4.5	474	310	1.19		
4.8	439	287	1.29		
5.3	404	264	1.40		
5.5	390	255	1.45	R 67R37	4
5.9	359	235	1.57	RF67R37	4
6.1	350	229	1.61		
6.9	307	201	1.84		
7.1	298	195	1.89		
7.7	277	181	2.0		
8.1	263	172	2.15		
9.0	235	154	2.40		
4.3	495	324	0.85		
4.4	488	319	0.87		
4.8	443	290	0.95		
5.2	408	267	1.04		
5.3	401	262	1.06		
5.7	376	246	1.12	R 57R37	4
5.8	368	241	1.15	RF57R37	4
6.3	336	220	1.26		
6.5	329	215	1.29		
7.6	280	183	1.51		
8.6	246	161	1.72		
10	211	138	2.0		
6.1	349	228	0.81		
7.1	298	195	0.95	R 47R37	4
7.6	278	182	1.01	RF47R37	4
9.0	235	154	1.20		



R

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
0.25kW					
8.9	238	156	0.79		
9.3	229	150	0.82		
10	206	135	0.91		
11	194	127	0.97	R 37R17	4
12	168	110	1.12	RF37R17	4
13	159	104	1.18		
14	144	94	1.31		
15	138	90	1.37		
2.2	1029	289.60	2.7		
2.5	913	256.89	3.1	R 97	8
2.7	856	240.83	3.3	RF97	8
3.0	767	215.94	3.7		
2.6	876	246.54	1.66		
3.0	769	216.54	1.89	R 87	8
3.1	731	205.71	1.99	RF87	8
3.5	646	181.77	2.3		
3.9	592	166.59	1.30		
4.4	518	145.67	1.49	R 77	8
4.7	492	138.39	1.57	RF77	8
5.3	431	121.42	1.79		
4.4	526	195.24	1.46	R 77	6
5.1	449	166.59	1.72	RF77	6
5.8	393	145.67	1.96		
7.1	322	195.24	2.4		
8.3	275	166.59	2.8	R 77	4
9.5	240	145.67	3.2	RF77	4
10	228	138.39	3.4		
11	200	121.42	3.8		
4.1	562	158.14	1.00		
4.7	489	137.67	1.15	R 67	8
5.0	458	128.97	1.23	RF67	8
5.7	405	113.94	1.39		
4.3	539	199.81	1.05		
4.6	496	184.07	1.14		
5.4	426	158.14	1.32	R 67	6
6.2	371	137.67	1.52	RF67	6
6.6	348	128.97	1.62		
7.5	307	113.94	1.84		
8.0	285	105.83	1.98		
7.0	329	199.81	1.71		
7.6	304	184.07	1.86		
8.8	261	158.14	2.2		
10	227	137.67	2.5	R 67	4
11	213	128.97	2.7	RF67	4
12	188	113.94	3.0		
13	175	105.83	3.2		
14	158	95.91	3.6		
16	142	86.11	4.0		
4.5	504	186.89	0.84		
4.9	464	172.17	0.91		
5.7	399	147.92	1.06	R 57	6
6.6	347	128.77	1.22	RF57	6
7.0	325	120.63	1.30		
8.0	287	106.58	1.47		
8.6	267	98.99	1.58		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
0.25kW					
7.4	308	186.89	1.37		
8.1	284	172.17	1.49		
9.4	244	147.92	1.73		
11	212	128.77	1.99	R 57	4
12	199	120.63	2.1	RF57	4
13	176	106.58	2.4		
14	163	98.99	2.6		
15	148	89.71	2.9		
17	133	80.55	3.2		
20	114	69.23	3.7		
7.9	292	176.88	0.97		
8.5	269	162.94	1.05		
9.9	231	139.99	1.22		
11	201	121.87	1.40		
12	188	114.17	1.50		
14	166	100.86	1.70	R 47	4
15	154	93.68	1.83	RF47	4
16	140	84.90	2.0		
18	126	76.23	2.2		
20	113	68.54	2.5		
22	106	64.21	2.7		
25	94	56.73	3.0		
26	87	52.69	3.2		
29	79	47.75	3.6		
10	222	134.82	0.85		
11	204	123.66	0.92		
13	175	105.28	1.08		
15	150	90.77	1.26		
16	140	84.61	1.35		
19	122	73.96	1.54	R 37	4
20	114	69.33	1.64	RF37	4
23	101	61.18	1.86		
25	92	55.76	2.0		
29	79	48.08	2.4		
31	74	44.81	2.5		
35	65	39.17	2.9		
38	61	36.72	3.1		
43	53	32.40	3.5		
16	140	84.78	0.87		
19	122	74.11	1.00		
20	115	69.47	1.07		
23	101	61.30	1.21		
25	92	55.87	1.33		
29	79	48.17	1.54		
31	74	44.90	1.65		
35	65	39.25	1.89		
38	61	36.79	2.0		
43	54	32.47	2.3		
48	48	28.78	2.5		
49	47	28.37	2.6		
53	43	26.09	2.8		
57	40	24.47	3.0	R 27	4
62	37	22.32	3.3	RF27	4
72	32	19.35	3.8		
77	30	18.08	4.1		
89	26	15.63	4.7		
105	22	13.28	5.6		
117	20	11.86	6.2		
137	17	10.13	6.9		
148	16	9.41	7.4		
170	14	8.16	8.1		
182	13	7.63	8.4		
211	11	6.59	9.2		
248	9.0	5.60	10		
278	8.2	5.00	11		
326	7.0	4.27	12		
348	7.0	4.00	12		
412	6.0	3.37	13		

R

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
0.25kW					
26	87	52.57	0.92		
28	81	49.28	0.98		
32	72	43.49	1.11		
34	67	40.49	1.20		
39	58	35.40	1.37		
42	55	33.18	1.46		
47	48	29.28	1.65		
54	43	25.96	1.87		
60	38	23.13	2.1		
63	36	22.06	2.2		
66	35	21.22	2.3		
77	30	18.06	2.7	R 17	4
89	26	15.57	3.1	RF17	4
96	24	14.52	3.3		
110	21	12.69	3.8		
117	20	11.89	4.1		
132	17	10.5	4.2		
149	15	9.31	4.4		
176	13	7.91	4.5		
184	12	7.55	4.7		
197	11	7.04	5.0		
226	10	6.15	5.2		
241	9	5.76	5.3		
273	8	5.09	5.7		
308	7	4.51	6.1		
363	6	3.83	6.7		
140	16	6.07	2.5		
164	14	5.18	4.9	RX 67	6
188	13	4.53	6.2	RXF67	6
198	12	4.30	6.4		
229	10	6.07	4.0		
268	9	5.18	8.1		
307	8	4.53	10		
323	7	4.30	10		
369	6	3.77	13	RX 67	4
434	5.5	3.20	17	RXF67	4
481	5	2.89	20		
547	4.5	2.54	26		
579	4	2.40	29		
681	3	2.04	37		
155	15	5.50	2.4		
168	14	5.07	2.4	RX 57	6
195	12	4.35	5.3	RXF57	6
224	10	3.79	6.2		
253	9.3	5.50	4.0		
274	8.5	5.07	4.0		
320	7.3	4.35	9.0		
367	6.4	3.79	10		
392	6.0	3.55	11		
443	5.3	3.14	12	RX 57	4
478	4.9	2.91	13	RXF57	4
527	4.4	2.64	15		
586	4.0	2.37	16		
681	3.4	2.04	19		
724	3.2	1.92	20		
842	2.8	1.65	23		
370	6	3.76	2.37		
426	5.5	3.26	2.73		
456	5	3.05	2.92		
527	4.5	2.64	3.38	RX 37	4
621	4	2.24	3.98	RXF37	4
695	3.5	2.00	4.46		
813	3	1.71	5.21		
869	2.5	1.60	5.57		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
0.37kW					
0.19	16532	7307	0.80		
0.22	14586	6447	0.84		
0.25	12597	5568	0.97		
0.29	10894	4815	1.12	R 147R77	4
0.32	9785	4325	1.25	RF147R77	4
0.38	8301	3669	1.47		
0.43	7303	3228	1.67		
0.49	6410	2833	1.91		
0.32	9873	4364	0.76		
0.35	8887	3928	0.85		
0.40	7950	3514	0.95		
0.42	7552	3338	1.00		
0.47	6627	2929	1.13		
0.52	6014	2658	1.25		
0.56	5620	2484	1.34	R 137R77	4
0.58	5457	2412	1.38	RF137R77	4
0.62	5072	2242	1.48		
0.67	4690	2073	1.60		
0.76	4161	1839	1.81		
0.99	3161	1397	2.4		
1.1	2774	1226	2.7		
1.3	2466	1090	3.0		
1.5	2152	951	3.5		
0.68	4618	2041	0.88		
0.71	4459	1971	0.91		
0.77	4102	1813	0.99		
0.83	3785	1673	1.07		
0.88	3591	1587	1.13	R 107R77	4
0.91	3464	1531	1.17	RF107R77	4
1.0	3145	1390	1.29		
1.1	2751	1216	1.47		
1.2	2701	1194	1.50		
1.3	2360	1043	1.71		
1.5	2097	927	1.93		
1.7	1837	812	2.2		
0.97	3244	1434	0.87		
1.0	3158	1396	0.89		
1.1	2778	1228	1.02		
1.2	2731	1207	1.03		
1.3	2453	1084	1.15		
1.4	2416	1068	1.17	R 97R57	4
1.5	2120	937	1.33	RF97R57	4
1.7	1864	824	1.51		
1.9	1667	737	1.69		
2.2	1428	631	1.98		
3.2	973	430	2.9		
3.7	857	379	3.3		
4.1	760	336	3.7		
1.7	1814	802	0.80		
1.8	1751	774	0.83		
1.9	1706	754	0.85		
2.0	1545	683	0.94		
2.1	1468	649	0.99		
2.3	1355	599	1.08		
2.5	1217	538	1.20	R 87R57	4
2.6	1188	525	1.23	RF87R57	4
2.9	1068	472	1.36		
3.1	1027	454	1.42		
3.5	905	400	1.61		
3.9	817	361	1.78		
5.2	604	267	2.4		
5.9	532	235	2.7		



R

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
0.37kW					
3.3	964	426	0.80		
3.8	824	364	0.94		
4.3	740	327	1.04		
4.5	701	310	1.10	R 77R37	4
5.6	561	248	1.37	RF77R37	4
6.3	495	219	1.56		
7.4	425	188	1.81		
8.6	367	162	2.1		
9.8	321	142	2.4		
4.8	649	287	0.87		
5.5	577	255	0.98	R 67R37	4
6.1	518	229	1.09	RF67R37	4
7.1	441	195	1.28		
2.5	1323	256.89	2.1		
2.7	1240	240.83	2.3	R 97	8
3.0	1112	215.94	2.5	RF97	8
3.5	958	185.97	2.9		
2.9	1132	289.60	2.5		
3.3	1004	256.89	2.8	R 97	6
3.5	941	240.83	3.0	RF97	6
3.9	844	215.94	3.3		
3.0	1115	216.54	1.31		
3.1	1059	205.71	1.38	R 87	8
3.5	936	181.77	1.6	RF87	8
3.4	963	246.54	1.51		
3.9	846	216.54	1.72		
4.1	804	205.71	1.81	R 87	6
4.7	710	181.77	2.1	RF87	6
5.5	607	155.34	2.4		
6.0	556	142.41	2.6		
4.4	750	145.67	1.03		
4.7	713	138.39	1.08	R 77	8
5.3	625	121.42	1.23	RF77	8
5.1	651	166.59	1.18		
5.8	569	145.67	1.35	R 77	6
6.1	541	138.39	1.43	RF77	6
7.1	467	195.24	1.65		
8.3	398	166.59	1.94		
9.5	348	145.67	2.2	R 77	4
10	331	138.39	2.3	RF77	4
11	290	121.42	2.7		
13	246	102.99	3.1		
15	222	92.97	3.47		
5.4	618	158.14	0.91		
6.2	538	137.67	1.05	R 67	6
6.6	504	128.97	1.12	RF67	6
7.5	445	113.94	1.27		
7.0	477	199.81	1.18		
7.6	440	184.07	1.28		
8.8	378	158.14	1.49		
10	329	137.67	1.71		
11	308	128.97	1.83		
12	272	113.94	2.1	R 67	4
13	253	105.83	2.2	RF67	4
14	229	95.91	2.5		
16	206	86.11	2.7		
19	177	74.17	3.2		
20	167	69.75	3.4		
23	146	61.26	3.9		
24	136	56.89	4.1		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
0.37kW					
6.6	503	128.77	0.84		
7.0	471	120.63	0.90	R 57	6
8.0	416	106.58	1.02	RF57	6
8.6	387	98.99	1.09		
7.4	447	186.89	0.95		
8.1	411	172.17	1.03		
9.4	353	147.92	1.20		
11	308	128.77	1.37		
12	288	120.63	1.47		
13	255	106.58	1.66	R 57	4
14	237	98.99	1.79	RF57	4
15	214	89.71	1.97		
17	192	80.55	2.2		
20	165	69.23	2.6		
21	155	64.85	2.7		
24	137	57.29	3.1		
26	127	53.22	3.3		
29	115	48.23	3.7		
9.9	335	139.99	0.84		
11	291	121.87	0.97		
12	273	114.17	1.03		
14	241	100.86	1.17		
15	224	93.68	1.26		
16	203	84.90	1.39		
18	182	76.23	1.55		
20	164	68.54	1.72		
22	153	64.21	1.84		
25	136	56.73	2.1	R 47	4
26	126	52.69	2.2	RF47	4
29	114	47.75	2.5		
32	102	42.87	2.6		
38	88	36.93	2.7		
40	83	34.73	2.8		
41	81	33.79	3.2		
45	74	31.12	3.4		
52	64	26.74	4.4		
60	56	23.28	5.1		
64	52	21.81	5.4		
15	217	90.77	0.87		
16	202	84.61	0.93		
19	177	73.96	1.06		
20	166	69.33	1.13		
23	146	61.18	1.29		
25	133	55.76	1.41		
29	115	48.08	1.64		
31	107	44.81	1.76		
35	94	39.17	2.0		
38	88	36.72	2.1		
43	77	32.40	2.4		
48	69	28.73	2.7		
49	68	28.32	2.8	R 37	4
53	62	26.03	2.9	RF37	4
57	58	24.42	3.2		
62	53	22.27	3.5		
72	46	19.31	4.1		
77	43	18.05	4.4		
89	38	15.60	4.9		
105	32	13.25	5.5		
117	29	11.83	6.0		

R

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
0.37kW					
23	146	61.30	0.83		
25	134	55.87	0.92		
29	115	48.17	1.06		
31	107	44.90	1.14		
35	94	39.25	1.30		
38	88	36.79	1.39		
43	78	32.47	1.57	R 27	4
48	69	28.78	1.78	RF27	4
49	68	28.37	1.80		
53	62	26.09	1.96		
57	58	24.47	2.1		
62	53	22.32	2.3		
72	46	19.35	2.6		
77	43	18.08	2.8		
89	37	15.63	3.3		
105	32	13.28	3.9		
39	85	35.40	0.94		
42	79	33.18	1.01		
47	70	29.28	1.14		
54	62	25.96	1.29		
60	55	23.13	1.45		
63	53	22.06	1.52		
66	51	21.22	1.58		
77	43	18.06	1.85		
89	37	15.57	2.1		
96	35	14.52	2.3		
110	30	12.69	2.6	R 17	4
117	28	11.89	2.8	RF17	4
132	25	10.50	2.9		
149	22	9.31	3.0		
176	19	7.91	3.1		
184	18	7.55	3.3		
197	17	7.04	3.4		
226	15	6.15	3.5		
241	14	5.76	3.6		
273	12	5.09	3.9		
308	11	4.51	4.2		
363	9	3.83	4.6		
164	21	5.18	3.3		
188	19	4.53	4.2	RX 67	6
198	18	4.30	4.3	RXF67	6
225	15	3.77	5.3		
229	15	6.07	2.7		
268	13	5.18	5.5		
307	12	4.53	6.8		
323	11	4.30	7.0		
369	9	3.77	8.7	RX 67	4
434	8	3.20	12	RXF67	4
481	7	2.89	14		
547	6.3	2.54	18		
579	6.0	2.40	19		
681	5.1	2.04	25		
195	17.7	4.35	3.6		
224	15.4	3.79	4.2	RX 57	6
239	14.5	3.55	4.5	RXF57	6

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
0.37kW					
253	13.7	5.50	2.7		
274	12.6	5.07	2.7		
320	10.8	4.35	5.9		
367	9.4	3.79	6.9		
392	8.8	3.55	7.3		
443	7.8	3.14	7.8	RX 57	4
478	7.2	2.91	8.7	RXF57	4
527	6.6	2.64	9.9		
586	5.9	2.37	11		
681	5.1	2.04	13		
724	4.8	1.92	14		
842	4.1	1.65	16		
426	8.1	3.26	1.85		
456	7.6	3.05	1.97		
527	6.6	2.64	2.28		
621	5.6	2.24	2.69	RX 37	4
695	5.0	2.00	3.01	RXF37	4
813	4.3	1.71	3.52		
869	4.0	1.60	3.76		
0.55kW					
0.23	20411	6069	0.83		
0.26	18157	5399	0.93	R 167R97	4
0.30	15837	4709	1.07	RF167R97	4
0.33	14065	4182	1.20		
0.29	16193	4815	0.75		
0.32	14545	4325	0.84		
0.38	12339	3669	0.99		
0.43	10856	3228	1.13		
0.49	9528	2833	1.28		
0.54	8593	2555	1.42	R 147R77	4
0.63	7436	2211	1.64	RF147R77	4
0.71	6561	1951	1.86		
0.82	5734	1705	2.1		
0.90	5166	1536	2.4		
1.05	4470	1329	2.7		
1.19	3921	1166	3.1		
0.52	8939	2658	0.84		
0.56	8354	2484	0.9		
0.58	8112	2412	0.93		
0.67	6972	2073	1.08		
0.76	6185	1839	1.22	R 137R77	4
0.87	5374	1598	1.40	RF137R77	4
0.99	4698	1397	1.60		
1.1	4123	1226	1.82		
1.3	3666	1090	2.1		
1.5	3198	951	2.4		
1.7	2795	831	2.7		
1.0	4675	1390	0.86		
1.1	4090	1216	0.99		
1.2	4016	1194	1.01		
1.3	3686	1095	1.10		
1.4	3508	1043	1.15		
1.5	3118	927	1.30	R 107R77	4
1.6	2986	888	1.35	RF107R77	4
1.7	2731	812	1.48		
1.8	2647	787	1.53		
2.0	2327	692	1.74		
2.3	2035	605	1.99		



R

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
0.55kW					
1.5	3151	937	0.89		
1.7	2771	824	1.02		
1.9	2479	737	1.14		
2.2	2122	631	1.33		
2.5	1883	560	1.50	R 97R57	4
2.9	1628	484	1.73	RF97R57	4
3.2	1446	430	1.95		
3.7	1275	379	2.2		
4.1	1130	336	2.5		
4.7	995	296	2.8		
5.6	837	249	3.4		
2.6	1766	525	0.83		
2.9	1587	472	0.92		
3.1	1527	454	0.95		
3.5	1345	400	1.08	R 87R57	4
3.6	1332	396	1.09	RF87R57	4
3.9	1214	361	1.20		
4.0	1180	351	1.23		
4.6	1026	305	1.42		
5.1	925	275	0.83		
5.9	794	236	0.97	R 77R37	4
6.3	743	221	1.04	RF77R37	4
7.8	599	178	1.29		
2.6	1893	256.89	1.50		
2.8	1775	240.83	1.59	R 97	8
3.1	1591	215.94	1.77	RF97	8
2.9	1682	289.60	1.68		
3.3	1492	256.89	1.90	R 97	6
3.5	1399	240.83	2.0	RF97	6
3.9	1254	215.94	2.2		
4.8	1029	289.60	2.7		
5.4	912	256.89	3.1	R 97	4
5.8	855	240.83	3.3	RF97	4
6.4	767	215.94	3.7		
3.6	1375	246.54	1.06		
4.1	1208	216.54	1.21	R 87	6
4.3	1148	205.71	1.27	RF87	6
4.9	1014	181.77	1.44		
5.7	867	155.34	1.68		
5.6	876	246.54	1.66		
6.4	769	216.54	1.89		
6.8	731	205.71	2.0		
7.6	646	181.77	2.3	R 87	4
8.9	552	155.34	2.6	RF87	4
9.8	506	142.41	2.9		
11	444	124.97	3.3		
12	421	118.43	3.5		
13	368	103.65	4.0		
8.3	592	166.59	1.30		
9.5	517	145.67	1.49		
10	492	138.39	1.57		
11	431	121.42	1.79		
13	366	102.99	2.1	R 77	4
15	330	92.97	2.3	RF77	4
17	291	81.80	2.7		
18	274	77.24	2.8		
21	234	65.77	3.3		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
0.55kW					
8.8	562	158.14	1.00		
10	489	137.67	1.15		
11	458	128.97	1.23		
12	405	113.94	1.39		
13	376	105.83	1.50	R 67	4
14	341	95.91	1.66	RF67	4
16	306	86.11	1.84		
19	263	74.17	2.1		
20	248	69.75	2.3		
23	218	61.26	2.6		
24	202	56.89	2.8		
12	428	120.63	0.99		
13	379	106.58	1.12		
14	352	98.99	1.20		
15	319	89.71	1.33		
17	286	80.55	1.48		
20	246	69.23	1.72		
21	230	64.85	1.84	R 57	4
24	203	57.29	2.1	RF57	4
26	189	53.22	2.2		
29	171	48.23	2.5		
32	154	43.30	2.8		
37	132	37.30	3.2		
40	125	35.07	3.4		
53	93	26.31	4.5		
56	89	24.99	4.8		
63	78	21.93	5.4		
75	66	18.60	6.4		
15	333	93.68	0.85		
16	302	84.90	0.94		
18	271	76.23	1.04		
20	243	68.54	1.16		
22	228	64.21	1.24		
25	202	56.73	1.40		
26	187	52.69	1.51	R 47	4
29	170	47.75	1.66	RF47	4
32	152	42.87	1.85		
38	131	36.93	2.1		
40	123	34.73	2.3		
47	106	29.88	2.7		
52	95	26.74	3.0		
60	83	23.28	3.4		
64	77	21.81	3.6		
23	217	61.18	0.87		
25	198	55.76	0.95		
29	171	48.08	1.10		
31	159	44.81	1.18		
35	139	39.17	1.35		
38	130	36.72	1.44		
43	115	32.40	1.63	R 37	4
48	102	28.73	1.84	RF37	4
57	87	24.42	2.2		
62	79	22.27	2.4		
72	69	19.31	2.7		
77	64	18.05	2.9		
89	55	15.60	3.4		
105	47	13.25	4.0		
117	42	11.83	4.5		

R

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
0.55kW					
35	139	39.25	0.88		
38	131	36.79	0.94		
43	115	32.47	1.06		
48	102	28.78	1.20		
57	87	24.47	1.41		
62	79	22.32	1.54		
72	69	19.35	1.78		
77	64	18.08	1.90		
89	56	15.63	2.2		
105	47	13.28	2.6	R 27	4
117	42	11.86	2.9	RF27	4
137	36	10.13	3.2		
148	33	9.41	3.4		
170	29	8.16	3.8		
182	27	7.63	3.9		
211	23	6.59	4.3		
248	20	5.60	4.7		
278	18	5.00	5.0		
326	15	4.27	5.4		
348	14	4.00	5.6		
412	12	3.37	6.2		
77	64	18.06	1.25		
89	55	15.57	1.44		
96	52	14.52	1.55		
110	45	12.69	1.77		
117	42	11.89	1.89		
132	37	10.50	1.9		
149	33	9.31	2.0	R 17	4
161	31	8.63	2.1	RF17	4
176	28	7.91	2.2		
184	27	7.55	2.2		
197	25	7.04	2.3		
226	22	6.15	2.4		
241	20	5.76	2.6		
273	18	5.09	2.7		
308	16	4.51	2.8		
363	14	3.83	3.1		
171	30	5.18	2.3		
195	26	4.53	2.9	RX 67	6
206	25	4.30	3.0	RXF67	6
235	22	3.77	3.7		
268	19	5.18	3.7		
307	17	4.53	4.6		
323	16	4.30	4.7		
369	14	3.77	5.9		
434	12	3.20	7.9	RX 67	4
481	11	2.89	9.3	RXF67	4
547	9.4	2.54	12		
579	8.9	2.40	13		
681	7.6	2.04	17		
747	6.9	1.86	17		
863	6.0	1.61	18		
203	25	4.35	2.5		
234	22	3.79	2.9		
249	21	3.55	3.1	RX 57	6
282	18	3.14	3.3	RXF57	6
304	17	2.91	3.7		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
0.55kW					
320	16	4.35	4.0		
367	14	3.79	4.6		
392	13	3.55	4.9		
443	12	3.14	5.3		
478	11	2.91	5.8	RX 57	4
527	10	2.64	6.6	RXF57	4
586	8.8	2.37	7.4		
681	7.6	2.04	8.6		
724	7.1	1.92	9.1		
842	6.1	1.65	11		
939	5.8	1.48	12		
1069	4.8	1.30	12		
426	12	3.26	1.24		
456	11	3.05	1.33		
527	10	2.64	1.53	RX 37	4
621	8.3	2.24	1.81	RXF37	4
695	7.4	2.00	2.03		
813	6.3	1.71	2.37		
869	5.9	1.60	2.53		
0.75kW					
0.30	21596	4709	0.8		
0.33	19179	4182	0.88		
0.52	12185	2657	1.39	R 167R97	4
0.60	10699	2333	1.58	RF167R97	4
0.67	9562	2085	1.77		
0.95	6677	1456	2.5		
0.43	14804	3228	0.83		
0.49	12992	2833	0.94		
0.54	11717	2555	1.04		
0.63	10140	2211	1.21		
0.71	8947	1951	1.37	R 147R77	4
0.82	7819	1705	1.56	RF147R77	4
0.90	7044	1536	1.73		
1.0	6095	1329	2.0		
1.2	5347	1166	2.3		
0.67	9507	2073	0.79		
0.7	8544	1863	0.88		
0.76	8434	1839	0.89		
0.87	7287	1589	1.03		
0.9	7273	1586	1.03	R 137R77	4
0.99	6407	1397	1.17	RF137R77	4
1.0	6237	1360	1.21		
1.1	5632	1228	1.34		
1.2	5623	1226	1.34		
1.3	4999	1090	1.50		
1.5	4361	951	1.72		
1.7	3811	831	1.97		
1.9	3348	730	2.2		
1.3	5022	1095	0.80		
1.4	4783	1043	0.85		
1.5	4251	927	0.95	R 107R77	4
1.6	4072	888	0.99	RF107R77	4
1.7	3724	812	1.09		
1.8	3609	787	1.12		
3.9	1637	357	2.5		
4.4	1435	313	2.8		
2.2	2894	631	0.97		
2.5	2568	560	1.10		
2.9	2220	484	1.27	R 97R57	4
3.2	1972	430	1.43	RF97R57	4
3.7	1738	379	1.62		
4.1	1541	336	1.83		
4.7	1357	296	2.1		
5.6	1142	249	2.5		



R

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
0.75kW					
3.5	1816	396	0.80		
3.9	1656	361	0.91		
4.0	1610	351	1.04		
4.6	1399	305	1.19	R 87R57	4
4.7	1376	300	1.35	RF87R57	4
5.2	1224	267	1.70		
5.4	1174	256	2.0		
5.9	1078	235	2.4		
2.8	2445	245.50	1.65	R 107	8
3.0	2259	226.11	1.81	RF107	8
3.4	1995	200.87	2.0		
3.1	2138	215.94	1.32	R 97	8
3.7	1841	185.97	1.53	RF97	8
4.0	1674	169.06	1.68		
3.6	1901	256.89	1.49	R 97	6
3.8	1782	240.83	1.58	RF97	6
4.2	1598	215.94	1.76		
4.8	1403	289.60	2.0		
5.4	1244	256.89	2.3		
5.8	1167	240.83	2.4	R 97	4
6.4	1046	215.94	2.7	RF97	4
7.5	901	185.97	3.1		
8.2	819	169.06	3.4		
4.2	1602	216.54	0.91		
4.4	1522	205.71	0.96	R 87	6
5.0	1345	181.77	1.08	RF87	6
5.9	1149	155.34	1.27		
6.4	1054	142.41	1.38		
5.6	1194	246.54	1.22		
6.4	1049	216.54	1.39		
6.8	996	205.71	1.46		
7.6	880	181.77	1.65		
8.9	752	155.34	1.94		
9.8	690	142.41	2.1	R 87	4
11	605	124.97	2.4	RF87	4
12	574	118.43	2.5		
13	502	103.65	2.9		
15	452	93.38	3.2		
8.3	807	166.59	0.96		
9.5	706	145.67	1.09		
10	670	138.39	1.15		
11	588	121.42	1.31		
13	499	102.99	1.55		
15	450	92.97	1.71	R 77	4
17	396	81.80	1.95	RF77	4
18	375	77.24	2.1		
21	319	65.77	2.4		
25	273	56.38	2.8		
27	247	50.90	3.1		
31	217	44.78	3.6		
33	205	42.29	3.8		
11	625	128.97	0.90		
12	552	113.94	1.02		
13	513	105.83	1.10		
14	465	95.91	1.21		
16	417	86.11	1.35	R 67	4
19	359	74.17	1.57	RF67	4
20	338	69.75	1.67		
23	297	61.26	1.90		
24	276	56.89	2.0		
27	250	51.56	2.3		
30	224	46.29	2.5		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
0.75kW					
13	516	106.58	0.82		
14	479	98.99	0.88		
15	435	89.71	0.97		
17	390	80.55	1.08		
20	335	69.23	1.26		
21	314	64.85	1.35		
24	277	57.29	1.52		
26	258	53.22	1.64	R 57	4
29	234	48.23	1.81	RF57	4
32	210	43.30	2.0		
37	181	37.30	2.3		
40	170	35.07	2.5		
46	146	30.18	2.9		
52	131	26.97	3.2		
53	130	26.31	3.3		
56	124	24.99	3.4		
63	108	21.93	3.9		
75	92	18.60	4.6		
20	332	68.54	0.85		
22	311	64.21	0.91		
25	275	56.73	1.03		
26	255	52.69	1.10		
29	231	47.75	1.22		
32	208	42.87	1.36		
38	179	36.93	1.58		
40	168	34.73	1.68	R 47	4
47	145	29.88	1.95	RF47	4
52	130	26.74	2.2		
53	129	26.70	2.2		
59	114	23.59	2.5		
60	113	23.28	2.5		
64	106	21.81	2.7		
72	93	19.27	3.0		
78	87	17.89	3.1		
86	79	16.22	3.3		
29	233	48.08	0.81		
31	217	44.81	0.87		
35	190	39.17	0.99		
38	178	36.72	1.06		
43	157	32.40	1.20		
48	139	28.73	1.35		
57	118	24.42	1.59	R 37	4
62	110	22.27	1.71	RF37	4
72	96	19.31	1.97		
77	89	18.05	2.1		
89	77	15.60	2.4		
105	66	13.25	2.7		
117	59	11.83	2.9		
137	50	10.11	3.2		
147	47	9.47	3.4		
48	139	28.78	0.88		
57	119	24.47	1.03		
62	110	22.32	1.11		
72	96	19.35	1.28		
77	89	18.08	1.37		
89	77	15.63	1.58		
105	66	13.28	1.86		
117	59	11.86	2.1	R 27	4
137	50	10.13	2.3	RF27	4
148	47	9.41	2.5		
170	40	8.16	2.7		
182	38	7.63	2.8		
211	33	6.59	3.1		
248	28	5.60	3.4		
278	25	5.00	3.6		

R

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
0.75kW					
77	89	18.06	0.89		
89	77	15.57	1.04		
96	72	14.52	1.11		
110	63	12.69	1.27		
117	59	11.89	1.36		
132	52	10.50	1.41		
149	46	9.31	1.47	R 17	4
176	39	7.91	1.48	RF17	4
184	37	7.55	1.57		
197	35	7.04	1.67		
226	30	6.15	1.73		
241	28	5.76	1.75		
273	25	5.09	1.90		
308	22	4.51	2.0		
363	19	3.83	2.2		
201	35	4.53	2.2		
212	33	4.30	2.3	RX 67	6
241	29	3.77	2.8	RXF67	6
284	25	3.20	3.8		
268	26	5.18	2.7		
307	23	4.53	3.4		
323	22	4.30	3.5		
369	19	3.77	4.3	RX 67	4
434	16	3.20	5.8	RXF67	4
481	15	2.89	6.8		
547	13	2.54	8.6		
579	12	2.40	9.5		
681	10	2.04	12		
747	9	1.86	13		
863	8	1.61	13		
240	29	3.79	2.2		
256	27	3.55	2.4		
290	24	3.14	2.5	RX 57	6
313	22	2.91	2.8	RXF57	6
345	20	2.64	3.2		
320	22	4.35	2.9		
367	19	3.79	3.4		
392	18	3.55	3.6		
443	16	3.14	3.9		
478	15	2.91	4.3	RX 57	4
527	13	2.64	4.9	RXF57	4
586	12	2.37	5.4		
681	11	2.04	6.3		
724	10	1.92	6.7		
842	9	1.65	7.8		
939	8	1.48	8.6		
1069	7	1.30	9.0		
456	15	3.05	0.97		
527	13	2.64	1.13		
621	11	2.24	1.33	RX 37	4
695	10	2.00	1.49	RXF37	4
813	9	1.71	1.74		
869	8	1.60	1.86		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
1.1kW					
0.53	17744	2657	0.95		
0.60	15580	2333	1.09		
0.67	13924	2085	1.22		
0.75	12535	1877	1.35	R 167R97	4
0.84	11153	1670	1.52	RF167R97	4
0.96	9723	1456	1.74		
1.1	8655	1296	2.0		
1.2	7593	1137	2.2		
0.63	14765	2211	0.83		
0.72	13029	1951	0.94		
0.82	11386	1705	1.07		
0.91	10258	1536	1.19		
1.1	8875	1329	1.38	R 147R77	4
1.2	7787	1166	1.57	RF147R77	4
1.4	6872	1029	1.78		
1.6	5937	889	2.1		
1.8	5236	784	2.3		
2.0	4641	695	2.6		
1.0	9082	1360	0.83		
1.1	8201	1228	0.92		
1.2	8187	1226	0.92		
1.3	7279	1090	1.03		
1.3	7212	1080	1.04		
1.4	6812	1020	1.10	R 137R77	4
1.5	6351	951	1.18	RF137R77	4
1.6	5803	869	1.30		
1.7	5550	831	1.36		
1.9	4875	730	1.54		
2.2	4201	629	1.79		
2.6	3666	549	2.1		
2.9	3272	490	2.3		
2.0	4621	692	0.87		
2.3	3994	598	1.01		
2.6	3539	530	1.14		
2.9	3199	479	1.26	R 107R77	4
3.4	2711	406	1.49	RF107R77	4
3.9	2384	357	1.70		
4.5	2090	313	1.93		
5.1	1850	277	2.2		
5.7	1636	245	2.5		
3.3	2872	430	0.98		
3.7	2531	379	1.11		
4.2	2244	336	1.26	R 97R57	4
4.7	1977	296	1.43	RF97R57	4
5.6	1663	249	1.70		
6.0	1563	234	1.80		
6.7	1396	209	2.0		
5.2	1783	267	0.82		
5.5	1710	256	0.85		
6.0	1569	235	0.93	R 87R57	4
6.1	1543	231	0.94	RF87R57	4
6.7	1389	208	1.05		
7.2	1302	195	1.12		
2.8	3586	245.50	1.13		
3.0	3283	226.11	1.23	R 107	8
3.4	2901	200.87	1.39	RF107	8
4.0	2461	167.29	1.64		



R

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
1.1kW					
3.5	2788	256.89	1.02	R 97 RF97	6 6
3.8	2613	240.83	1.08		
4.2	2343	215.94	1.20		
4.9	2018	185.97	1.39		
5.4	1812	256.89	1.56		
5.8	1699	240.83	1.66		
6.5	1523	215.94	1.85		
7.5	1312	185.97	2.1	R 97 RF97	4 4
8.3	1192	169.06	2.4		
9.3	1064	150.78	2.7		
11	894	126.75	3.2		
12	822	116.48	3.4		
6.5	1527	216.54	0.95		
6.8	1451	205.71	1.00		
7.7	1282	181.77	1.14		
9.0	1096	155.34	1.33		
9.8	1004	142.41	1.45		
11	881	124.97	1.65		
12	835	118.43	1.74	R 87 RF87	4 4
14	731	103.65	1.99		
15	659	93.38	2.2		
17	578	81.92	2.5		
19	510	72.37	2.9		
22	448	63.50	3.3		
23	424	60.18	3.4		
27	372	52.67	3.9		
12	856	121.42	0.90		
14	726	102.99	1.06		
15	656	92.97	1.18		
17	577	81.80	1.34		
18	545	77.24	1.41		
21	464	65.77	1.66	R 77 RF77	4 4
25	398	56.38	1.94		
28	359	50.90	2.1		
31	316	44.78	2.4		
33	298	42.29	2.6		
39	254	36.01	3.0		
43	231	32.72	3.3		
16	607	86.11	0.93		
19	523	74.17	1.08		
20	492	69.75	1.15		
23	432	61.26	1.31		
25	401	56.89	1.41		
27	364	51.56	1.55		
30	326	46.29	1.73	R 67 RF67	4 4
35	281	39.88	1.9		
37	265	37.50	2.0		
43	228	32.27	2.2		
49	203	28.83	2.4		
50	201	28.13	2.5		
52	192	26.72	2.6		
60	169	23.44	3.1		
70	143	19.89	3.9		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
1.1kW					
20	488	69.23	0.87		
22	457	64.85	0.92		
24	404	57.29	1.05		
26	375	53.22	1.13		
29	340	48.23	1.24		
32	305	43.30	1.39		
38	263	37.30	1.61	R 57 RF57	4 4
40	247	35.07	1.71		
46	213	30.18	1.99		
52	190	26.97	2.2		
53	186	26.31	2.3		
56	176	24.99	2.4		
64	155	21.93	2.7		
75	131	18.60	3.2		
83	118	16.79	3.6		
29	337	47.75	0.84		
33	302	42.87	0.93		
38	260	36.93	1.08		
40	245	34.73	1.15		
47	211	29.88	1.34		
52	188	26.70	1.50		
59	166	23.59	1.69		
60	164	23.28	1.72		
64	154	21.81	1.83	R 47 RF47	4 4
73	136	19.27	2.0		
78	126	17.89	2.2		
86	114	16.22	2.3		
96	103	14.56	2.4		
112	88	12.54	2.7		
119	83	11.79	2.8		
138	72	10.15	3.0		
154	64	9.07	3.2		
43	229	32.40	0.82		
49	203	28.73	0.93		
57	172	24.42	1.09		
73	139	19.31	1.35		
78	130	18.05	1.45		
90	112	15.60	1.67		
106	95	13.25	1.87		
118	85	11.83	2.0	R 37 RF37	4 4
138	73	10.11	2.2		
148	68	9.47	2.3		
176	57	7.97	2.6		
210	48	6.67	2.8		
247	41	5.67	3.3		
277	36	5.06	3.5		
72	139	19.35	0.88		
77	130	18.08	0.94		
90	113	15.63	1.09		
105	96	13.28	1.25		
118	85	11.86	1.42		
138	73	10.13	1.57		
172	59	8.16	1.86	R 27 RF27	4 4
183	55	7.63	1.92		
212	47	6.59	2.1		
250	40	5.60	2.3		
280	36	5.00	2.5		
328	31	4.27	2.7		
350	29	4.00	2.8		
415	24	3.37	3.1		

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输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
1.1kW					
249	41	5.63	2.5	RX 77	4
262	39	5.35	2.5	RXF77	4
296	35	4.73	3.3		
201	51	4.53	1.50	RX 67	6
212	49	4.30	1.55	RXF67	6
241	43	3.77	1.92		
309	33	4.53	2.3		
326	32	4.30	2.4		
371	28	3.77	2.9		
438	24	3.20	4.0		
484	21	2.89	4.7	RX 67	4
551	19	2.54	5.9	RXF67	4
583	18	2.40	6.6		
686	15	2.04	8.4		
753	14	1.86	8.7		
870	12	1.61	9.1		
1000	10	1.40	9.5		
240	43	3.79	1.5		
256	40	3.55	1.6	RX 57	6
290	36	3.14	1.7	RXF57	6
313	33	2.91	1.9		
345	30	2.64	2.2		
369	28	3.79	2.3		
394	26	3.55	2.5		
446	23	3.14	2.6		
481	21	2.91	2.9		
530	19	2.64	3.3	RX 57	4
591	17	2.37	3.7	RXF57	4
686	15	2.04	4.3		
729	14	1.92	4.6		
848	12	1.65	5.3		
946	11	1.48	5.9		
1077	10	1.30	6.2		
700	15	2.00	1.02		
819	13	1.71	1.19	RX 37	4
875	12	1.60	1.27	RXF37	4
1.5kW					
0.60	21246	2333	0.80		
0.67	18987	2085	0.89		
0.75	17093	1877	0.99		
0.84	15208	1670	1.11	R 167R97	4
0.96	13259	1456	1.28	RF167R97	4
1.1	11802	1296	1.43		
1.2	10354	1137	1.63		
1.4	9213	1012	1.84		
3.2	3934	432	3.1	R 147R87	4
3.8	3388	373	3.6	RF147R87	4
0.82	15527	1705	0.8		
0.91	13988	1536	0.87		
1.1	12103	1329	1.01		
1.2	10618	1166	1.15	R 147R77	4
1.4	9371	1029	1.30	RF147R77	4
1.6	8096	889	1.51		
1.8	7140	784	1.71		
2.0	6329	695	1.93		
2.3	5528	607	2.2		
2.6	4981	547	2.5		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
1.5kW					
1.3	10038	1090	0.75		
1.4	9393	1020	0.80		
1.5	8758	951	0.86		
1.6	8003	869	0.94		
1.7	7653	831	0.98		
1.9	6723	730	1.12		
2.0	6299	684	1.19	R 137R77	4
2.2	5792	629	1.30	RF137R77	4
2.4	5479	595	1.37		
2.6	5056	549	1.49		
2.9	4512	490	1.67		
3.3	3941	428	1.91		
3.7	3444	374	2.2		
4.4	2919	317	2.6		
2.6	4827	530	0.84		
2.7	4644	510	0.87		
2.9	4362	479	0.93		
3.0	4216	463	0.96	R 107R77	4
3.4	3697	406	1.09	RF107R77	4
3.9	3251	357	1.24		
4.5	2850	313	1.42		
4.2	3060	336	0.92		
4.7	2696	296	1.05		
5.6	2268	249	1.24	R 97R57	4
6.0	2131	234	1.32	RF97R57	4
6.7	1903	209	1.48		
3.1	4413	226.11	0.92		
3.5	3920	200.87	1.03	R 107	8
4.1	3265	167.29	1.24	RF107	8
4.4	3045	156.04	1.32		
3.7	3593	245.50	1.12		
4.1	3309	226.11	1.22		
4.6	2940	200.87	1.37	R 107	6
5.5	2449	167.29	1.65	RF107	6
5.8	2304	156.04	1.77		
6.6	2041	139.47	1.98		
5.4	2417	256.89	1.14		
5.8	2316	240.83	1.22		
6.5	2077	215.94	1.36		
7.5	1789	185.97	1.58		
8.3	1626	169.06	1.73	R 97	4
9.3	1450	150.78	1.94	RF97	4
11	1219	126.75	2.3		
12	1120	116.48	2.5		
14	995	103.44	2.8		
15	889	92.47	3.2		
7.7	1748	181.77	0.83		
9.0	1494	155.34	0.98		
9.8	1370	142.41	1.06		
11	1202	124.97	1.21		
12	1139	118.43	1.28		
14	997	103.65	1.46		
15	898	93.38	1.62		
17	788	81.92	1.85	R 87	4
19	696	72.37	2.1	RF87	4
22	611	63.50	2.4		
23	579	60.18	2.5		
27	507	52.67	2.9		
30	456	47.45	3.2		
34	400	41.63	3.6		
38	353	36.73	4.1		



R

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
1.5kW					
15	894	92.97	0.86		
17	787	81.80	0.98		
18	743	77.24	1.04		
21	633	65.77	1.22		
25	542	56.38	1.42		
28	490	50.90	1.57		
31	431	44.78	1.79	R 77	4
33	407	42.29	1.90	RF77	4
39	346	36.01	2.2		
43	315	32.72	2.4		
49	273	28.35	2.8		
57	237	24.67	3.1		
60	225	23.37	3.4		
65	206	21.43	3.7		
74	181	18.80	4.1		
23	589	61.26	0.96		
25	547	56.89	1.03		
27	496	51.56	1.14		
30	445	46.29	1.27		
35	384	39.88	1.47		
37	361	37.50	1.56	R 67	4
43	310	32.27	1.82	RF67	4
49	277	28.83	2.0		
50	276	28.13	2.0		
52	262	26.72	2.1		
60	230	23.44	2.4		
70	195	19.89	2.9		
78	176	17.95	3.2		
26	523	53.22	0.8		
29	474	48.23	0.9		
32	425	43.30	1.0		
38	366	37.30	1.15		
40	344	35.07	1.23		
46	296	30.18	1.43		
52	265	26.97	1.60	R 57	4
53	258	26.31	1.64	RF57	4
56	245	24.99	1.72		
64	215	21.93	1.96		
75	183	18.60	2.3		
83	165	16.79	2.6		
95	145	14.77	2.8		
100	137	13.95	2.9		
118	117	11.88	3.3		
38	355	36.93	0.8		
40	334	34.73	0.84		
47	287	29.88	0.98		
52	257	26.70	1.1		
59	227	23.59	1.2		
60	224	23.28	1.26		
64	210	21.81	1.34		
73	185	19.27	1.50		
78	172	17.89	1.58		
86	156	16.22	1.66		
96	140	14.56	1.8		
112	121	12.54	1.9	R 47	4
119	113	11.79	2.0	RF47	4
138	98	10.15	2.1		
154	87	9.07	2.2		
175	77	8.01	2.3		
180	75	7.76	2.4		
201	67	6.96	2.5		
233	58	6.00	2.5		
248	54	5.64	2.7		
289	47	4.85	3.0		
323	42	4.34	3.3		
366	37	3.83	3.7		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
1.5kW					
73	186	19.31	1.01		
78	174	18.05	1.08		
90	150	15.60	1.25		
106	127	13.25	1.40		
118	114	11.83	1.51		
138	97	10.11	1.64		
148	91	9.47	1.72	R 37	4
176	77	7.97	1.91	RF37	4
210	64	6.67	2.1		
247	55	5.67	2.4		
277	49	5.06	2.6		
324	42	4.32	2.9		
346	39	4.05	2.9		
411	33	3.41	3.2		
90	150	15.63	0.81		
105	128	13.28	0.96		
118	114	11.86	1.06		
138	97	10.13	1.18		
172	78	8.16	1.39		
183	73	7.63	1.43	R 27	4
212	63	6.59	1.57	RF27	4
250	54	5.60	1.73		
280	48	5.00	1.86		
328	41	4.27	1.99		
350	38	4.00	2.1		
415	32	3.37	2.3		
249	54	5.63	1.91		
262	51	5.35	1.88		
296	45	4.73	2.5		
347	39	4.04	3.5	RX 77	4
378	36	3.70	4.0	RXF77	4
431	31	3.25	5.5		
455	30	3.08	6.1		
519	26	2.70	7.8		
576	23	2.43	8.6		
309	44	4.53	1.77		
326	41	4.30	1.82		
371	36	3.77	2.3		
438	31	3.20	3.1		
484	28	2.89	3.6	RX 67	4
551	24	2.54	4.5	RXF67	4
583	23	2.40	5.0		
686	20	2.04	6.4		
753	18	1.86	6.6		
870	15	1.61	6.9		
1000	13	1.40	7.3		
369	36	3.79	1.78		
394	34	3.55	1.90		
446	30	3.14	2.0		
481	28	2.91	2.3		
530	25	2.64	2.6	RX 57	4
591	23	2.37	2.8	RXF57	4
686	20	2.04	3.3		
729	18	1.92	3.5		
848	16	1.65	4.1		
946	14	1.48	4.5		
1077	13	1.30	4.7		

R

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
2.2kW					
0.85	21991	1670	0.8		
0.98	19173	1456	0.88		
1.1	17066	1296	1.0		
1.2	14972	1137	1.1	R 167R97	4
1.4	13326	1012	1.27	RF167R97	4
1.6	11483	872	1.47		
1.8	10140	770	1.67		
2.1	8744	664	1.9		
2.6	7111	540	1.72		
3.1	6084	462	2.0	R 147R87	4
3.3	5689	432	2.1	RF147R87	4
3.8	4912	373	2.5		
4.3	4346	330	2.8		
1.2	15354	1166	0.80		
1.4	13550	1029	0.90		
1.6	11707	889	1.04		
1.8	10324	784	1.18	R 147R77	4
2.0	9152	695	1.34	RF147R77	4
2.3	7993	607	1.53		
2.6	7203	547	1.70		
3.0	6321	480	1.93		
1.9	9721	730	0.77		
2.1	9108	684	0.83		
2.3	8376	629	0.90		
2.4	7923	595	0.95		
2.6	7311	549	1.03	R 137R77	4
2.9	6525	490	1.15	RF137R77	4
3.3	5699	428	1.32		
3.8	4980	374	1.51		
4.5	4221	317	1.78		
5.0	3808	286	1.97		
5.6	3377	250	2.2		
6.4	2958	219	2.5		
3.9	4822	357	0.84		
4.4	4336	321	0.93		
4.5	4228	313	0.96	R 107R77	4
5.1	3741	277	1.08	RF107R77	4
5.5	3458	256	1.17		
6.7	2809	208	1.44		
6.0	3125	234	0.90	R 97R57	4
6.7	2791	209	1.01	RF97R57	4
3.2	6212	223.34	1.21		
3.8	5234	188.16	1.43		
4.1	4851	174.4	1.55		
4.5	4348	156.31	1.73	R 137	8
5.0	3925	141.12	1.92	RF137	8
5.5	3565	128.18	2.1		
6.2	3163	113.72	2.4		
6.9	2871	103.2	2.6		
4.7	4220	200.87	0.96		
5.6	3515	167.29	1.15	R 107	6
6.0	3278	156.04	1.23	RF107	6
6.7	2930	139.47	1.38		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
2.2kW					
5.8	3414	245.50	1.18		
6.3	3145	226.11	1.29		
7.1	2744	200.87	1.45		
8.5	2327	167.29	1.74	R 107	4
9.1	2170	156.04	1.86	RF107	4
10	1940	139.47	2.1		
11	1746	125.55	2.3		
12	1581	113.70	2.6		
14	1402	100.82	2.9		
16	1286	91.16	3.2		
6.6	3003	215.94	0.94		
7.6	2586	185.97	1.09		
8.4	2351	169.06	1.20		
9.4	2097	150.78	1.34		
11	1763	126.75	1.60		
12	1620	116.48	1.74	R 97	4
14	1439	103.44	1.96	RF97	4
15	1286	92.48	2.2		
17	1156	83.15	2.4		
20	1004	72.17	2.8		
22	906	65.12	3.1		
24	832	59.84	3.4		
27	739	53.14	3.8		
30	661	47.51	4.3		
11	1738	124.97	0.84		
12	1647	118.43	0.88		
14	1442	103.65	1.01		
15	1299	93.38	1.12		
17	1139	81.92	1.28		
20	1007	72.37	1.45		
22	883	63.50	1.65		
24	837	60.18	1.74	R 87	4
27	733	52.67	1.99	RF87	4
30	660	47.45	2.2		
34	579	41.63	2.5		
39	511	36.73	2.9		
41	478	34.34	3.0		
44	453	32.57	3.2		
45	434	31.22	3.4		
51	387	27.81	3.8		
61	325	23.40	4.5		
66	299	21.51	4.7		
22	915	65.77	0.8		
25	784	56.38	1.0		
28	708	50.90	1.1		
32	623	44.78	1.2		
34	588	42.29	1.31		
39	501	36.01	1.54		
43	455	32.72	1.69	R 77	4
50	394	28.35	1.95	RF77	4
58	343	24.67	2.1		
61	325	23.37	2.4		
66	298	21.43	2.6		
76	261	18.80	2.8		
80	248	17.82	3.0		
91	217	15.60	3.2		
101	195	14.05	3.5		



R

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
2.2kW					
36	555	39.88	0.98		
38	522	37.50	1.03		
44	449	32.27	1.13		
49	401	28.83	1.22		
61	326	23.44	1.61		
71	277	19.89	2.0	R 67	4
79	250	17.95	2.2	RF67	4
90	220	15.79	2.4		
95	207	14.91	2.5		
112	177	12.70	2.8		
123	160	11.54	2.9		
142	139	10.00	3.2		
163	121	8.70	3.3		
182	108	7.79	3.4		
38	519	37.30	0.82		
40	488	35.07	0.87		
47	420	30.18	1.01		
53	375	26.97	1.13		
65	305	21.93	1.39		
76	259	18.60	1.64		
85	234	16.79	1.81	R 57	4
96	205	14.77	1.99	RF57	4
102	194	13.95	2.1		
120	165	11.88	2.3		
132	150	10.79	2.4		
152	130	9.35	2.7		
157	126	9.06	2.8		
178	111	7.97	3.0		
74	268	19.27	1.03		
88	226	16.22	1.15		
98	203	14.56	1.23		
113	174	12.54	1.35		
120	164	11.79	1.40		
140	141	10.15	1.53		
157	126	9.07	1.64	R 47	4
177	111	8.01	1.73	RF47	4
183	108	7.76	1.42		
204	97	6.96	1.54		
237	83	6.00	1.76		
252	78	5.64	1.86		
293	67	4.85	2.1		
327	60	4.34	2.3		
371	53	3.83	2.5		
91	217	15.60	0.87		
107	184	13.25	0.97		
120	165	11.83	1.05		
140	141	10.11	1.14		
150	132	9.47	1.19	R 37	4
178	111	7.97	1.32	RF37	4
213	93	6.67	1.46		
250	79	5.67	1.69		
281	70	5.06	1.80		
329	60	4.32	2.0		
351	56	4.05	2.0		
416	47	3.41	2.2		
140	141	10.13	0.81		
215	92	6.59	1.09		
254	78	5.60	1.19	R 27	4
284	70	5.00	1.28	RF27	4
333	59	4.27	1.38		
355	56	4.00	1.44		
421	47	3.37	1.58		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
2.2kW					
300	69	4.73	1.69		
351	59	4.04	2.3		
384	54	3.70	2.7		
437	47	3.25	3.6		
461	45	3.08	4.1	RX 77	4
526	39	2.70	5.2	RXF77	4
584	35	2.43	5.7		
667	31	2.13	6.1		
755	27	1.88	6.4		
850	24	1.67	6.7		
1000	21	1.42	7.1		
377	55	3.77	1.50		
444	46	3.20	2.0		
491	42	2.89	2.4		
559	37	2.54	3.0	RX 67	4
592	35	2.40	3.3	RXF67	4
696	30	2.04	4.3		
763	27	1.86	4.4		
882	23	1.61	4.6		
1014	20	1.40	4.8		
452	46	3.14	1.34		
538	38	2.64	1.69		
599	34	2.37	1.89		
696	30	2.04	2.2	RX 57	4
740	28	1.92	2.3	RXF57	4
861	24	1.65	2.7		
959	21	1.48	3.0		
1092	19	1.30	3.1		
3.0kW					
1.2	20417	1137	0.83		
1.4	18172	1012	0.93		
1.6	15658	872	1.08	R 167R97	4
1.8	13827	770	1.22	RF167R97	4
2.1	11923	664	1.42		
2.8	9158	510	1.85		
2.6	9697	540	1.26		
3.1	8296	462	1.47		
3.3	7757	432	1.58	R 147R87	4
3.8	6698	373	1.82	RF147R87	4
4.3	5926	330	2.1		
5.0	5082	283	2.4		
1.6	15963	889	0.8		
1.8	14078	784	0.87		
2.0	12480	695	0.98	R 147R77	4
2.3	10900	607	1.12	RF147R77	4
2.6	9822	547	1.24		
2.7	9388	517	0.80		
2.9	8898	490	0.85		
3.1	8226	453	0.91		
3.3	7772	428	0.97		
3.8	6791	374	1.11	R 137R77	4
4.5	5756	317	1.31	RF137R77	4
5.0	5193	286	1.45		
5.7	4540	250	1.66		
6.5	3977	219	1.89		
5.6	4798	253	0.84		
5.8	4647	245	0.87	R 107R77	4
6.8	3945	208	1.02	RF107R77	4
7.8	3433	181	1.18		

R

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
3.0kW					
3.2	8472	223.34	0.89		
3.8	7137	188.16	1.05		
4.1	6615	174.40	1.14		
4.5	5929	156.31	1.27	R 137	8
5.0	5353	141.12	1.40	RF137	8
5.5	4862	128.18	1.55		
6.2	4314	113.72	1.74		
6.9	3914	103.20	1.92		
8.0	3364	88.70	2.20		
4.3	6245	222.60	1.20		
5.1	5287	188.45	1.42		
5.5	4892	174.40	1.54		
6.1	4385	156.31	1.71	R 137	6
6.8	3959	141.12	1.90	RF137	6
7.5	3596	128.18	2.10		
8.4	3190	113.72	2.40		
9.3	2895	103.20	2.60		
6.2	4377	156.04	0.92	R 107	6
6.9	3913	139.47	1.03	RF107	6
7.6	3522	125.55	1.15		
6.3	4288	226.11	0.94		
7.1	3810	200.87	1.06		
8.5	3172	167.29	1.27		
9.1	2959	156.04	1.37		
10	2645	139.47	1.53		
11	2381	125.55	1.70	R 107	4
12	2156	113.70	1.87	RF107	4
14	1912	100.82	2.1		
16	1729	91.16	2.3		
18	1465	77.26	2.8		
20	1366	72.00	3.0		
9.4	2860	150.78	0.99		
11	2404	126.75	1.17		
12	2209	116.48	1.28		
14	1962	103.44	1.44		
15	1754	92.48	1.61		
17	1577	83.15	1.79	R 97	4
20	1369	72.17	2.1	RF97	4
22	1235	65.12	2.3		
24	1135	59.84	2.5		
27	1008	53.14	2.8		
30	901	47.51	3.1		
33	810	42.72	3.5		
38	703	37.08	4.0		
43	630	33.20	4.3		
15	1771	93.38	0.82		
17	1554	81.92	0.94		
20	1373	72.37	1.06		
22	1204	63.50	1.21		
24	1141	60.18	1.28		
27	999	52.67	1.46		
30	900	47.45	1.62		
34	790	41.63	1.85	R 87	4
39	697	36.73	2.1	RF87	4
41	651	34.34	2.2		
44	618	32.57	2.4		
45	592	31.22	2.5		
51	528	27.84	2.8		
53	527	27.81	2.8		
61	444	23.40	3.3		
66	408	21.51	3.5		
74	362	19.10	3.6		
83	324	17.08	4.0		
93	291	15.35	4.3		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
3.0kW					
32	849	44.78	0.91		
34	802	42.29	0.96		
39	683	36.01	1.13		
43	621	32.72	1.24		
50	538	28.35	1.43		
58	468	24.67	1.57		
61	443	23.37	1.74		
66	406	21.43	1.90	R 77	4
76	357	18.80	2.1	RF77	4
80	338	17.82	2.2		
91	296	15.60	2.4		
101	266	14.05	2.5		
115	234	12.33	2.8		
131	206	10.88	3.0		
147	183	9.64	3.2		
169	160	8.42	3.7		
187	144	7.59	4.0		
213	126	6.66	4.3		
61	445	23.44	1.18		
71	377	19.89	1.50		
79	340	17.95	1.63		
90	299	15.79	1.76	R 67	4
95	283	14.91	1.8	RF67	4
112	241	12.70	2.0		
123	219	11.54	2.1		
142	190	10.00	2.3		
53	511	26.97	0.8		
65	416	21.93	1.02		
76	353	18.60	1.20		
85	318	16.79	1.33		
96	280	14.77	1.46		
102	265	13.95	1.53		
120	225	11.88	1.69		
132	205	10.79	1.79	R 57	4
152	177	9.35	2.0	RF57	4
157	172	9.06	2.1		
178	151	7.97	2.2		
189	143	7.53	2.3		
222	122	6.41	2.6		
244	110	5.82	2.7		
281	96	5.05	3.0		
323	83	4.39	3.2		
88	308	16.22	0.84		
98	276	14.56	0.90		
113	238	12.54	0.99		
120	224	11.79	1.03		
140	192	10.15	1.12		
157	172	9.07	1.20		
177	152	8.01	1.27	R 47	4
183	147	7.76	1.04	RF47	4
204	132	6.96	1.13		
237	114	6.00	1.29		
252	107	5.64	1.36		
293	92	4.85	1.53		
327	82	4.34	1.67		
371	73	3.83	1.86		
140	192	10.11	0.83		
150	180	9.47	0.87		
178	151	7.97	0.97		
213	126	6.67	1.07	R 37	4
250	108	5.67	1.24	RF37	4
281	96	5.06	1.32		
329	82	4.32	1.45		
351	77	4.05	1.49		
416	65	3.41	1.63		



R

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
3.0kW					
254	106	5.60	0.88	R 27	4
284	95	5.00	0.94	RF27	4
333	81	4.27	1.01		
355	76	4.00	1.05		
421	64	3.37	1.2		
109	258	6.47	4.31	RX 127	8
				RXF127	8
220	127	6.44	1.42	RX 87	4
256	110	5.55	1.92	RXF87	4
281	100	5.05	2.3		
316	89	4.50	3.1		
376	75	3.78	3.8		
300	94	4.73	1.24	RX 77	4
351	80	4.04	1.68	RXF77	4
384	73	3.70	1.97		
437	64	3.25	2.7		
461	61	3.08	3.0		
377	75	3.77	1.10	RX 67	4
444	63	3.20	1.49	RXF67	4
491	57	2.89	1.74		
559	50	2.54	2.2		
592	47	2.40	2.4		
696	40	2.04	3.1		
763	37	1.86	3.2		
882	32	1.61	3.4		
1014	28	1.40	3.5		
452	62	3.14	0.98	RX 57	4
538	52	2.64	1.24	RXF57	4
599	47	2.37	1.38		
696	40	2.04	1.61		
740	38	1.92	1.71		
861	33	1.65	1.99		
959	29	1.48	2.2		
1092	26	1.30	2.3		
4.0kW					
1.7	20588	872	0.82	R 167R97	4
1.9	18179	770	0.93	RF167R97	4
2.2	15677	664	1.08		
2.8	12041	510	1.41		
3.8	8972	380	1.89		
4.3	7980	338	2.1		
2.7	12749	540	0.96		
3.1	10908	462	1.12		
3.3	10199	432	1.20		
3.9	8806	373	1.39	R 147R87	4
4.4	7791	330	1.57	RF147R87	4
5.1	6682	283	1.83		
5.8	5902	250	2.1		
6.7	5100	216	2.4		
7.5	4509	191	2.7		
8.9	3801	161	3.2		
2.4	14331	607	0.85		
2.6	12915	547	0.95	R 147R77	4
3.0	11333	480	1.08	RF147R77	4
3.5	9609	407	1.27		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
4.0kW					
3.8	8877	376	0.85	R 137R77	4
3.9	8830	374	0.85	RF137R77	4
4.2	8004	339	0.94		
4.5	7484	317	1.00		
4.8	7012	297	1.07		
5.0	6752	286	1.11		
5.8	5902	250	1.27		
6.6	5171	219	1.45		
7.5	4509	191	0.90	R 107R77	4
8.0	4273	181	0.95	RF107R77	4
8.6	3943	167	1.03		
4.4	8152	163.46	1.50	R 147	8
4.9	7324	146.85	1.67	RF147	8
6.0	5946	119.24	2.0		
6.5	5487	110.03	2.2		
4.1	8698	174.40	0.86	R 137	8
4.6	7796	156.31	0.96	RF137	8
5.1	7038	141.12	1.07		
5.6	6393	128.18	1.18		
6.3	5671	113.72	1.33		
7.0	5147	103.20	1.46		
4.3	8354	223.34	0.90	R 137	6
5.1	7038	188.16	1.07	RF137	6
5.5	6523	174.40	1.15		
6.1	5847	156.31	1.29		
6.8	5278	141.12	1.42		
7.5	4794	128.18	1.57		
8.4	4254	113.72	1.77		
9.3	3860	103.2	1.95		
11	3318	88.70	2.3		
9	4172	167.29	0.97	R 107	4
10	3891	156.04	1.04	RF107	4
11	3478	139.47	1.16		
12	3131	125.55	1.29		
13	2835	113.70	1.43		
14	2514	100.82	1.61		
16	2273	91.16	1.78		
19	1927	77.26	2.1		
20	1795	72.00	2.3		
22	1616	64.81	2.5		
25	1464	58.69	2.8		
28	1298	52.05	3.1		
12	2905	116.48	0.97	R 97	4
14	2579	103.44	1.09	RF97	4
16	2306	92.48	1.22		
17	2073	83.15	1.36		
20	1800	72.17	1.57		
22	1624	65.12	1.74		
24	1492	59.84	1.89		
27	1325	53.14	2.1		
30	1185	47.51	2.4		
34	1065	42.72	2.6		
39	925	37.08	3.0		
43	828	33.20	3.2		
45	803	32.22	3.3		
54	669	26.84	3.6		
58	624	25.03	4.3		
64	558	22.37	4.6		
71	502	20.14	4.9		
78	455	18.24	6.2		

R

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
4.0kW					
23	1583	63.5	0.92		
24	1501	60.18	0.97		
27	1313	52.67	1.11		
30	1183	47.45	1.23		
35	1038	41.63	1.40		
39	916	36.73	1.59		
42	856	34.34	1.70		
44	812	32.57	1.79	R 87	4
46	779	31.22	1.87	RF87	4
52	694	27.84	2.1		
53	693	27.81	2.2		
62	584	23.40	2.5		
67	536	21.51	2.7		
75	476	19.10	3.1		
84	426	17.08	3.1		
94	383	15.35	3.3		
108	332	13.33	3.6		
121	297	11.93	3.9		
40	898	36.01	0.86		
44	816	32.72	0.94		
51	707	28.35	1.09		
58	615	24.67	1.19		
62	583	23.37	1.32		
67	534	21.43	1.44		
77	469	18.80	1.56		
81	444	17.82	1.65	R 77	4
92	389	15.60	1.79	RF77	4
102	350	14.05	1.93		
117	307	12.33	2.1		
132	271	10.88	2.3		
149	240	9.64	2.5		
171	210	8.42	2.8		
190	189	7.59	3.0		
216	166	6.66	3.3		
245	147	5.88	3.5		
276	130	5.21	3.7		
72	496	19.89	1.14		
80	448	17.95	1.24		
91	394	15.79	1.34		
97	372	14.91	1.39		
113	317	12.70	1.54		
125	288	11.54	1.63		
144	249	10.00	1.77	R 67	4
166	217	8.70	1.91	RF67	4
185	194	7.79	1.84		
196	184	7.36	1.90		
230	156	6.27	2.0		
253	142	5.70	2.1		
292	123	4.93	2.2		
336	107	4.29	2.4		
77	464	18.60	0.91		
86	419	16.79	1.01		
97	368	14.77	1.11		
103	348	13.95	1.16		
121	296	11.88	1.29		
133	269	10.79	1.36	R 57	4
154	233	9.35	1.49	RF57	4
159	226	9.06	1.56		
181	199	7.97	1.68		
191	188	7.53	1.75		
225	160	6.41	1.97		
247	145	5.82	2.1		
285	126	5.05	2.3		
328	109	4.39	2.4		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
4.0kW					
142	253	10.15	0.85		
159	226	9.07	0.86		
180	200	8.01	0.91		
207	174	6.96	0.96	R 47	4
240	150	6.00	0.98	RF47	4
255	141	5.64	1.04		
297	121	4.85	1.17		
332	108	4.34	1.27		
376	96	3.83	1.42		
109	344	6.47	3.23	RX 127	8
121	310	5.88	3.59	RXF127	8
147	254	6.47	4.37	RX 127	6
				RXF127	6
259	144	5.55	1.46		
285	131	5.05	1.78	RX 87	4
320	117	4.50	2.3	RXF87	4
381	98	3.78	2.9		
356	105	4.04	1.28		
389	96	3.70	1.50		
443	84	3.25	2.0		
468	80	3.08	2.3		
533	70	2.70	2.9	RX 77	4
593	63	2.43	3.2	RXF77	4
676	55	2.13	3.4		
766	49	1.88	3.6		
862	43	1.67	3.7		
1014	37	1.42	3.9		
450	83	3.20	1.13		
498	75	2.89	1.33		
567	66	2.54	1.68		
600	62	2.40	1.85	RX 67	4
706	53	2.04	2.4	RXF67	4
774	48	1.86	2.4		
894	42	1.61	2.6		
1029	36	1.40	2.7		
545	69	2.64	0.95		
608	62	2.37	1.05		
706	53	2.04	1.22	RX 57	4
750	50	1.92	1.30	RXF57	4
873	43	1.65	1.51		
973	38	1.48	1.66		
1108	34	1.30	1.75		
5.5kW					
2.2	21556	664	0.80		
2.5	18764	578	0.90		
2.8	16556	510	1.02	R 167R97	4
3.3	14219	438	1.19	RF167R97	4
3.8	12336	380	1.37		
4.3	10973	338	1.54		
4.7	9966	307	1.70		
5.1	9155	282	1.85		
3.1	14998	462	0.81		
3.3	14024	432	0.87		
3.9	12109	373	1.01	R 147R87	4
4.4	10713	330	1.14	RF147R87	4
5.1	9187	283	1.33		
5.8	8116	250	1.51		
6.7	7012	216	1.74		
7.5	6201	191	1.97		



R

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
5.5kW					
3.7	12752	196.41	1.32	R 167 RF167	8 8
4.5	10440	160.80	1.63		
5.5	8469	130.44	1.99		
6.0	7855	120.99	2.17		
6.9	6779	104.41	2.50		
4.4	10613	163.46	1.15	R 147 RF147	8 8
4.9	9534	146.85	1.28		
6.0	7742	119.24	1.57		
6.6	7144	110.03	1.72		
5.9	7960	163.46	1.54	R 147 RF147	6 6
6.5	7151	146.85	1.71		
8.0	6133	119.24	2.0		
8.8	5659	110.03	2.2		
10	4865	94.60	2.5		
12	4293	83.47	2.8		
5.6	8790	128.18	0.86	R 137 RF137	8 8
6.3	7798	113.72	0.96		
7.0	7077	103.2	1.06		
8.1	6083	88.70	1.24		
5.5	8970	174.40	0.84	R 137 RF137	6 6
6.1	8039	156.31	0.94		
6.8	7258	141.12	1.04		
7.5	6592	128.18	1.14		
8.4	5849	113.72	1.29		
9.3	5308	103.20	1.42		
6.4	7658	223.34	0.98	R 137 RF137	4 4
7.7	6451	188.16	1.17		
8.3	5980	174.40	1.26		
9.2	5359	156.31	1.40		
10	4839	141.12	1.55		
11	4395	128.18	1.71		
13	3899	113.72	1.93		
14	3538	103.20	2.1		
16	3041	88.70	2.5		
18	2774	80.91	2.7		
20	2520	73.49	3.0		
22	2236	65.20	3.4		
24	2029	59.17	3.7		
28	1744	50.86	4.3		
11	4305	125.55	0.94	R 107 RF107	4 4
13	3898	113.70	1.04		
14	3457	100.82	1.17		
16	3126	91.16	1.29		
19	2649	77.26	1.54		
20	2469	72.00	1.64		
22	2222	64.84	1.82		
25	2012	58.69	2.01		
28	1785	52.05	2.3		
31	1614	47.06	2.5		
36	1367	39.88	3.0		
17	2851	83.15	0.99	R 97 RF97	4 4
20	2475	72.17	1.14		
22	2233	65.12	1.26		
24	2052	59.84	1.37		
27	1822	53.14	1.55		
30	1629	47.51	1.73		
34	1465	42.72	1.93		
39	1271	37.08	2.2		
43	1138	33.20	2.4		
52	944	27.54	2.7		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
5.5kW					
45	1105	32.22	2.2	R 97 RF97	4 4
54	920	26.84	2.6		
58	858	25.03	3.1		
64	767	22.37	3.3		
71	691	20.14	3.6		
79	625	18.24	3.8		
89	554	16.17	4.1		
30	1627	47.45	0.90	R 87 RF87	4 4
35	1427	41.63	1.02		
39	1259	36.73	1.16		
44	1117	32.57	1.30		
52	955	27.84	1.53		
53	954	27.81	1.53		
62	802	23.40	1.82		
67	738	21.51	2.0		
75	655	19.10	2.1		
84	586	17.08	2.2		
94	526	15.35	2.4		
108	457	13.33	2.6		
121	409	11.93	2.8		
145	339	9.90	3.3		
156	317	9.25	3.6		
173	285	8.32	3.8		
199	248	7.22	4.1		
77	645	18.80	1.14	R 77 RF77	4 4
81	611	17.82	1.20		
92	535	15.60	1.30		
102	482	14.05	1.40		
117	423	12.33	1.53		
132	373	10.88	1.66		
149	331	9.64	1.79		
171	289	8.42	2.1		
190	260	7.59	2.2		
216	228	6.66	2.4		
245	202	5.88	2.52		
276	179	5.21	2.68		
91	541	15.79	0.97	R 67 RF67	4 4
97	511	14.91	1.01		
113	435	12.70	1.12		
125	396	11.54	1.19		
144	343	10.00	1.29		
166	298	8.70	1.34		
185	267	7.79	1.38		
196	252	7.36	1.39		
230	215	6.27	1.44		
253	195	5.70	1.49		
292	169	4.93	1.61		
336	147	4.29	1.73		
97	506	14.77	0.81	R 57 RF57	4 4
103	478	13.95	0.85		
121	407	11.88	0.93		
133	370	10.79	0.99		
154	321	9.35	1.08		
181	273	7.97	1.22		
191	258	7.53	1.27		
225	220	6.41	1.43		
247	200	5.82	1.51		
285	173	5.05	1.66		
328	151	4.39	1.75		
297	166	4.85	0.85	R 47 RF47	4 4
332	149	4.34	0.92		
376	131	3.83	1.03		

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输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
5.5kW					
116	443	6.22	3.79	RX 157 RXF157	8 8
123	420	5.88	2.64	RX 127 RXF127	8 8
147	350	6.47	3.18	RX 127 RXF127	6 6
164	315	5.88	3.53		
182	283	5.28	3.92		
217	238	6.65	1.82	RX 107 RXF107	4 4
257	200	5.60	2.14		
277	186	5.19	3.52		
310	166	4.65	3.93		
247	208	5.82	1.9	RX 97 RXF97	4 4
297	173	4.85	2.1		
319	162	4.52	3.5		
356	144	4.04	3.9		
396	130	3.64	4.3		
436	118	3.30	4.7		
493	104	2.92	5.4		
545	94	2.64	5.9		
643	80	2.24	7.0		
735	70	1.96	7.6		
878	59	1.64	8.1		
1014	51	1.42	8.4		
320	161	4.50	1.7	RX 87 RXF87	4 4
381	135	3.78	2.1		
414	124	3.48	3.1		
466	110	3.09	3.4		
522	99	2.76	3.9		
581	89	2.48	4.3		
670	77	2.15	4.7		
443	116	3.25	1.47	RX 77 RXF77	4 4
468	110	3.08	1.65		
533	97	2.70	2.1		
593	87	2.43	2.3		
676	76	2.13	2.5		
766	67	1.88	2.6		
862	60	1.67	2.7		
1014	51	1.42	2.9		
567	91	2.54	1.22	RX 67 RXF67	4 4
600	86	2.40	1.35		
706	73	2.04	1.73		
774	66	1.86	1.78		
894	58	1.61	1.86		
1029	50	1.40	2.0		
706	73	2.04	0.89	RX 57 RXF57	4 4
750	69	1.92	0.95		
873	59	1.65	1.10		
973	53	1.48	1.21		
1108	46	1.30	1.27		
7.5kW					
2.9	22268	510	0.80	R 167R97 RF167R97	4 4
3.3	19124	438	0.88		
3.8	16591	380	1.02		
4.3	14758	338	1.15		
4.8	13404	307	1.26		
5.2	12313	282	1.37		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
7.5kW					
4.4	14408	330	0.85	R 147R87 RF147R87	4 4
5.2	12356	283	0.99		
5.8	10915	250	1.12		
6.8	9431	216	1.30		
7.6	8339	191	1.47		
9.1	7030	161	1.74		
3.7	18366	196.41	0.92	R 167 RF167	4 4
4.5	15036	160.80	1.13		
5.5	12197	130.44	1.39		
6.0	11314	120.99	1.50		
6.9	9763	104.41	1.73		
4.9	13775	196.41	1.23	R 167 RF167	6 6
6.0	11277	160.80	1.50		
7.4	9145	130.44	1.84		
7.9	8485	120.99	1.99		
9.2	7323	104.41	2.31		
10	6462	92.14	2.6		
12	5602	79.88	3.0		
14	4984	71.07	3.4		
15	4487	63.98	3.8		
16	4103	58.51	4.1		
4.4	15285	163.46	0.80	R 147 RF147	8 8
4.9	13732	146.85	0.89		
6.0	11150	119.24	1.09		
6.6	10289	110.03	1.20		
5.9	11464	163.46	1.07	R 147 RF147	6 6
6.5	10299	146.85	1.19		
8.0	8363	119.24	1.45		
8.8	7717	110.03	1.59		
10	6635	94.60	1.84		
12	5854	83.47	2.1		
7.7	8677	188.16	0.87	R 137 RF137	4 4
8.4	8042	174.40	0.94		
9.3	7208	156.31	1.04		
10	6508	141.12	1.16		
11	5911	128.18	1.27		
13	5244	113.72	1.43		
14	4759	103.20	1.58		
16	4090	88.70	1.84		
18	3731	80.91	2.0		
20	3389	73.49	2.2		
22	3007	65.20	2.5		
25	2729	59.17	2.8		
29	2345	50.86	3.2		
16	4204	91.16	0.96	R 107 RF107	4 4
19	3563	77.26	1.13		
20	3320	72.00	1.22		
23	2989	64.81	1.35		
25	2706	58.69	1.49		
28	2400	52.05	1.68		
31	2170	47.06	1.86		
37	1839	39.88	2.2		
42	1607	34.84	2.5		
48	1404	30.44	2.9		
50	1344	29.14	3.0		
54	1257	27.25	3.2		
59	1134	24.60	3.6		
65	1030	22.34	3.9		



R

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
7.5kW					
24	2760	59.84	1.02	R 97 RF97	4 4
27	2451	53.14	1.15		
31	2191	47.51	1.29		
34	1970	42.72	1.43		
39	1710	37.08	1.65		
44	1531	33.20	1.72		
45	1486	32.22	1.77		
53	1270	27.54	1.94		
54	1238	26.84	1.98		
58	1154	25.03	2.30		
65	1032	22.37	2.48		
72	929	20.14	2.64		
80	841	18.24	2.79		
40	1694	36.73	0.86	R 87 RF87	4 4
45	1502	32.57	0.97		
52	1284	27.84	1.13		
53	1282	27.81	1.1		
62	1079	23.40	1.35		
68	992	21.51	1.42		
76	881	19.10	1.54		
85	788	17.08	1.66		
95	708	15.35	1.78		
110	615	13.33	1.96		
122	550	11.93	2.1		
147	457	9.90	2.4		
158	427	9.25	2.7		
175	384	8.32	2.8		
202	333	7.22	3.0		
226	298	6.47	3.2		
272	247	5.36	3.5		
78	867	18.80	0.85	R 77 RF77	4 4
82	822	17.82	0.89		
94	719	15.60	0.97		
104	648	14.05	1.04		
118	569	12.33	1.14		
134	502	10.88	1.24		
151	445	9.64	1.33		
173	388	8.42	1.53		
192	350	7.59	1.64		
219	307	6.66	1.78		
248	271	5.88	1.87		
280	240	5.21	2.00		
115	586	12.70	0.83	R 67 RF67	4 4
127	532	11.54	0.88		
146	461	10.00	0.96		
168	401	8.70	0.99		
187	359	7.79	1.02		
198	339	7.36	1.03		
233	289	6.27	1.07		
256	263	5.70	1.11		
296	227	4.93	1.20		
340	198	4.29	1.28		
183	368	7.97	0.91	R 57 RF57	4 4
194	347	7.53	0.95		
228	296	6.41	1.07		
251	268	5.82	1.12		
289	233	5.05	1.23		
333	202	4.39	1.30		
123	572	5.88	1.94	RX 127 RXF127	8 8
156	449	6.22	3.74	RX 157 RXF157	6 6

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
7.5kW					
123	572	5.88	2.94	RX 127 RXF127	6 6
136	515	5.28	3.26		
167	420	4.29	4.0		
221	318	6.47	3.49	RX 127 RXF127	4 4
245	286	5.88	3.88		
220	320	6.65	1.35	RX 107 RXF107	4 4
260	269	5.60	1.59		
281	250	5.19	2.6		
314	224	4.65	2.9		
348	202	4.20	3.9		
251	280	5.82	1.41	RX 97 RXF97	4 4
301	233	4.85	1.59		
323	217	4.52	2.6		
361	194	4.04	2.9		
401	175	3.64	3.2		
442	159	3.30	3.5		
500	140	2.92	4.0		
324	216	4.50	1.26	RX 87 RXF87	4 4
386	182	3.78	1.58		
420	167	3.48	2.3		
472	149	3.09	2.6		
529	133	2.76	2.9		
589	119	2.48	3.2		
679	103	2.15	3.5		
756	93	1.93	3.6		
913	77	1.60	3.8		
1050	67	1.39	4.1		
449	156	3.25	1.09	RX 77 RXF77	4 4
474	148	3.08	1.23		
541	130	2.70	1.56		
601	117	2.43	1.73		
685	102	2.13	1.84		
777	90	1.88	1.94		
874	80	1.67	2.0		
1028	68	1.42	2.1		
575	122	2.54	0.91	RX 67 RXF67	4 4
608	115	2.40	1.00		
716	98	2.04	1.28		
785	89	1.86	1.32		
907	77	1.61	1.38		
1043	67	1.40	1.45		
11kW					
4.9	18891	295	0.90	R 167R107 RF167R107	4 4
5.1	18379	287	0.92		
5.2	17994	281	0.94		
6.1	15241	238	1.11		
7.0	13320	208	1.27		
8.3	11271	176	1.50		
4.3	21645	338	0.80	R 167R97 RF167R97	4 4
4.8	19659	307	0.86		
5.2	18059	282	0.94		
5.8	16009	250	0.80	R 147R87 RF147R87	4 4
6.8	13832	216	0.88		
7.6	12231	191	1.00		
9.1	10310	161	1.19		
9.2	10182	159	1.20		

R

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
11kW					
6.0	16540	160.80	1.02	R 167	6
7.4	13417	130.44	1.26	RF167	6
7.9	12445	120.99	1.36		
9.2	10740	104.41	1.58		
7.4	13284	196.41	1.27		
9.1	10876	160.80	1.56		
11	8822	130.44	1.91		
12	8183	120.99	2.07	R 167	4
14	7062	104.41	2.4	RF167	4
16	6232	92.14	2.7		
18	5403	79.88	3.1		
21	4807	71.07	3.5		
6.5	15105	146.85	0.81		
8.1	12265	119.24	1.0	R 147	6
8.7	11318	110.03	1.08	RF147	6
10	9731	94.60	1.26		
12	8586	83.47	1.42		
8.9	11056	163.46	1.11		
10	9932	146.85	1.23		
12	8065	119.24	1.52		
13	7442	110.03	1.64	R 147	4
15	6398	94.60	1.91	RF147	4
17	5645	83.47	2.2		
20	4876	72.09	2.5		
22	4508	66.65	2.7		
24	4129	61.50	3.0		
28	3576	52.87	3.4		
10	9545	141.12	0.80		
11	8669	128.18	0.87		
13	7691	113.72	0.98		
14	6980	103.2	1.08		
16	5999	88.70	1.25		
18	5472	80.91	1.37	R 137	4
20	4970	73.49	1.51	RF137	4
22	4410	65.20	1.71		
25	4002	59.17	1.88		
29	3440	50.86	2.2		
33	3002	44.39	2.5		
39	2540	37.65	3.0		
44	2226	32.91	3.4		
23	4383	64.81	0.92		
25	3969	58.69	1.02		
28	3520	52.05	1.15		
31	3183	47.06	1.27		
37	2697	39.88	1.50		
42	2356	34.84	1.72	R 107	4
48	2059	30.44	1.96	RF107	4
50	1971	29.14	2.1		
54	1843	27.25	2.2		
59	1664	24.60	2.4		
65	1511	22.34	2.7		
74	1341	19.82	3.0		
81	1217	17.99	3.3		
34	2889	42.72	0.98		
39	2508	37.08	1.12		
44	2245	33.20	1.21		
53	1863	27.54	1.35		
58	1693	25.03	1.57	R 97	4
65	1513	22.37	1.69	RF97	4
72	1362	20.14	1.80		
80	1234	18.24	1.90		
90	1094	16.17	2.1		
100	989	14.62	2.2		
118	838	12.39	2.5		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
11kW					
135	732	10.83	2.7		
158	626	9.26	3.0	R 97	4
174	566	8.37	3.4	RF97	4
206	480	7.09	3.9		
235	419	6.20	4.2		
68	1455	21.51	0.97		
76	1292	19.10	1.05		
85	1155	17.08	1.13		
95	1038	15.35	1.21		
110	902	13.33	1.33		
122	807	11.93	1.43	R 87	4
147	670	9.90	1.66	RF87	4
158	626	9.25	1.82		
175	563	8.32	1.94		
202	488	7.22	2.1		
226	438	6.47	2.2		
272	363	5.36	2.4		
134	736	10.88	0.84		
151	652	9.64	0.91		
192	513	7.59	1.12	R 77	4
219	450	6.66	1.21	RF77	4
248	398	5.88	1.28		
280	352	5.21	1.36		
191	539	5.05	3.12		
209	492	4.68	3.41	RX 157	6
240	429	4.04	3.92	RXF157	6
235	437	6.22	3.84	RX 157	4
				RXF157	4
249	414	5.88	2.68		
277	372	5.28	2.98	RX 127	4
339	304	4.29	3.65	RXF127	4
372	277	3.95	4.01		
281	366	5.19	1.79		
314	328	4.65	1.99		
348	296	4.20	2.63	RX 107	4
383	269	3.81	2.90	RXF107	4
432	238	3.38	3.27		
476	216	3.07	3.60		
553	186	2.64	4.19		
323	319	4.52	1.75		
361	285	4.04	1.96		
401	257	3.64	2.2		
442	233	3.30	2.4		
500	206	2.92	2.7	RX 97	4
553	186	2.64	3.0	RXF97	4
652	158	2.24	3.5		
745	138	1.96	3.9		
890	116	1.64	4.1		
1028	110	1.42	4.3		
420	245	3.48	1.55		
472	218	3.09	1.75		
529	195	2.76	1.96		
589	175	2.48	2.2	RX 87	4
679	152	2.15	2.4	RXF87	4
756	136	1.93	2.5		
913	113	1.60	2.6		
1050	98	1.39	2.8		
601	171	2.43	1.18		
685	150	2.13	1.25	RX 77	4
777	133	1.88	1.33	RXF77	4
874	118	1.67	1.38		
1028	100	1.42	1.46		



R

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
15kW					
6.1	20783	238	0.81		
6.5	19560	224	0.87	R 167R107	4
7.0	18163	208	0.93	RF167R107	4
7.5	17028	195	0.99		
8.3	15369	176	1.10		
7.4	18201	130.44	0.93		
8.0	16883	120.99	1.00	R 167	6
9.2	14569	104.41	1.16	RF167	6
11	12857	92.14	1.32		
7.4	18115	196.41	0.93		
9.1	14830	160.80	1.14		
11	12030	130.44	1.41		
12	11159	120.99	1.52		
14	9630	104.41	1.76	R 167	4
16	8498	92.14	1.99	RF167	4
18	7367	79.88	2.3		
21	6555	71.07	2.6		
23	5901	63.98	2.9		
25	5396	58.51	3.1		
8.8	15353	110.03	0.80		
10	13200	94.60	0.93	R 147	6
12	11647	83.47	1.05	RF147	6
13	10059	72.09	1.21		
14	9300	66.65	1.31		
8.9	15076	163.46	0.81		
9.9	13544	146.86	0.90		
12	10997	119.24	1.11		
13	10148	110.03	1.20		
15	8725	94.60	1.40	R 147	4
17	7698	83.47	1.59	RF147	4
20	6649	72.09	1.84		
22	6147	66.65	1.99		
24	5631	61.50	2.2		
28	4876	52.87	2.5		
31	4303	46.65	2.8		
14	9518	103.2	0.8		
16	8181	88.70	0.92		
18	7462	80.91	1.01		
20	6778	73.49	1.11		
22	6013	65.20	1.25		
25	5457	59.17	1.38	R 137	4
29	4691	50.86	1.60	RF137	4
33	4094	44.39	1.84		
39	3472	37.65	2.2		
44	3035	32.91	2.5		
52	2567	27.83	2.9		
31	4340	47.06	0.9		
37	3678	39.88	1.10		
42	3213	34.84	1.26		
48	2807	30.44	1.44		
50	2688	29.14	1.50	R 107	4
54	2513	27.25	1.61	RF107	4
59	2269	24.60	1.78		
65	2060	22.34	1.96		
74	1828	19.82	2.2		
81	1659	17.99	2.4		
94	1426	15.46	2.8		
108	1245	13.50	3.2		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
15kW					
53	2540	27.54	1.1		
58	2309	25.03	1.15		
65	2063	22.37	1.24		
72	1858	20.14	1.32		
80	1682	18.24	1.40		
90	1491	16.17	1.51	R 97	4
100	1348	14.62	1.6	RF97	4
118	1143	12.39	1.8		
135	999	10.83	2.0		
158	854	9.26	2.4		
174	772	8.37	2.5		
206	654	7.09	2.9		
235	572	6.20	3.1		
85	1575	17.08	0.89		
95	1416	15.35	0.98		
110	1229	13.33	1.05		
122	1100	11.93	1.13	R 87	4
147	913	9.90	1.21	RF87	4
158	853	9.25	1.33		
175	767	8.32	1.42		
202	666	7.22	1.51		
226	597	6.47	1.61		
272	494	5.36	1.73		
287	488	5.05	3.44	RX 157	4
315	446	4.68	3.77	RXF157	4
361	388	4.04	3.32		
372	378	3.95	2.94	RX 127	4
				RXF127	4
281	479	5.19	1.36		
314	429	4.65	1.52		
348	387	4.20	2.0		
383	351	3.81	2.2		
432	325	3.38	2.4	RX 107	4
476	295	3.07	2.6	RXF107	4
553	254	2.64	3.1		
635	221	2.30	3.5		
749	188	1.95	3.8		
854	164	1.71	4.0		
1014	138	1.44	4.4		
323	435	4.52	1.3		
361	388	4.04	1.4		
401	350	3.64	1.6		
442	317	3.30	1.8		
500	281	2.92	2.0	RX 97	4
553	254	2.64	2.2	RXF97	4
652	215	2.24	2.6		
745	188	1.96	2.8		
890	158	1.64	3.0		
1028	137	1.42	3.1		
420	335	3.48	1.14		
472	297	3.09	1.28		
529	265	2.76	1.43		
589	238	2.48	1.60	RX 87	4
679	207	2.15	1.75	RXF87	4
756	186	1.93	1.80		
913	154	1.60	1.92		
1050	134	1.39	2.0		

R

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
18.5kW					
9.1	18291	160.80	0.93	R 167 RF167	4 4
11	14838	130.44	1.13		
12	13763	120.99	1.24		
14	11877	104.41	1.42		
16	10481	92.14	1.61		
18	9086	79.88	1.86		
21	8084	71.07	2.1		
23	7278	63.98	2.3		
25	6655	58.51	2.5		
29	5791	50.91	2.9		
12	13564	119.24	0.90	R 147 RF147	4 4
13	12516	110.03	0.98		
15	10761	94.60	1.14		
17	9495	83.47	1.29		
20	8200	72.09	1.49		
22	7581	66.65	1.61		
24	6944	61.50	1.76		
28	6014	52.87	2.0		
31	5306	46.65	2.3		
36	4583	40.29	2.7		
18	9203	80.91	0.82	R 137 RF137	4 4
20	8359	73.49	0.90		
22	7416	65.20	1.01		
25	6731	59.17	1.12		
29	5785	50.86	1.30		
33	5049	44.39	1.49		
39	4283	37.65	1.76		
44	3744	32.91	2.0		
49	3362	29.56	2.2		
52	3166	27.83	2.3		
61	2730	24.00	2.7		
66	2520	22.15	3.0		
77	2166	19.04	3.5		
87	1911	16.80	3.9		
37	4536	39.88	0.89	R 107 RF107	4 4
42	3963	34.84	1.02		
50	3315	29.14	1.22		
59	2798	24.60	1.44		
65	2541	22.34	1.59		
74	2255	19.82	1.79		
81	2046	17.99	1.98		
94	1759	15.46	2.3		
108	1536	13.50	2.3		
128	1302	11.45	3.1		
146	1139	10.01	3.5		
181	918	8.07	3.0		
213	778	6.84	3.6		
72	2291	20.14	1.07	R 97 RF97	4 4
80	2075	18.24	1.13		
90	1839	16.17	1.23		
100	1663	14.62	1.30		
118	1409	12.39	1.46		
135	1232	10.83	1.59		
158	1053	9.26	1.81		
174	952	8.37	2.0		
206	806	7.09	2.3		
235	705	6.20	2.5		
282	589	5.18	2.8		
328	511	4.49	3.0		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
18.5kW					
110	1516	13.33	0.8	R 87 RF87	4 4
122	1357	11.93	0.85		
147	1126	9.90	0.98		
158	1052	9.25	1.08		
175	946	8.32	1.15		
202	821	7.22	1.22		
226	736	6.47	1.30		
272	610	5.36	1.40		
317	547	4.68	3.07	RX 157 RXF157	4 4
364	476	4.04	3.53		
412	420	3.57	4.0		
348	478	4.20	1.63	RX 107 RXF107	4 4
383	452	3.81	1.73		
432	401	3.38	1.95		
476	364	3.07	2.1		
553	313	2.64	2.5		
635	273	2.30	2.9		
749	231	1.95	3.1		
854	203	1.71	3.3		
1014	171	1.44	3.6		
401	432	3.64	1.30	RX 97 RXF97	4 4
442	391	3.30	1.43		
500	346	2.92	1.62		
553	313	2.64	1.79		
652	266	2.24	2.1		
745	232	1.96	2.3		
890	194	1.64	2.4		
1028	168	1.42	2.5		
529	327	2.76	1.16	RX 87 RXF87	4 4
589	294	2.48	1.29		
679	255	2.15	1.42		
756	229	1.93	1.46		
913	190	1.60	1.56		
1050	165	1.39	1.65		
22kW					
11	17645	130.44	0.95	R 167 RF167	4 4
12	16366	120.99	1.04		
14	14124	104.41	1.20		
16	12464	92.14	1.36		
18	10805	79.88	1.57		
21	9614	71.07	1.76		
23	8655	63.98	2.0		
25	7915	58.51	2.1		
29	6887	50.91	2.5		
32	6078	44.93	2.8		
37	5269	38.95	3.2		
13	14884	110.03	0.83	R 147 RF147	4 4
15	12797	94.60	0.95		
17	11291	83.47	1.08		
20	9752	72.09	1.3		
22	9016	66.65	1.36		
24	8258	61.50	1.48		
28	7152	52.87	1.71		
31	6310	46.65	1.94		
36	5450	40.29	2.2		
41	4821	35.64	2.5		
49	4051	29.95	3.0		



R

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
22kW					
22	8820	65.20	0.85		
25	8004	59.17	0.94		
29	6880	50.86	1.09		
33	6005	44.39	1.25		
39	5093	37.65	1.48		
44	4452	32.91	1.69	R 137	4
49	3999	29.56	1.88	RF137	4
52	3765	27.83	2.00		
61	3246	24.00	2.3		
66	2996	22.15	2.5		
77	2576	19.04	2.9		
87	2273	16.80	3.3		
101	1963	14.51	3.8		
114	1736	12.83	4.3		
42	4713	34.84	0.86		
50	3942	29.14	1.03		
59	3328	24.60	1.21		
65	3022	22.34	1.34		
74	2681	19.82	1.51		
81	2434	17.99	1.66		
94	2091	15.46	1.93	R 107	4
108	1826	13.50	2.2	RF107	4
128	1549	11.45	2.6		
146	1354	10.01	2.7		
173	1144	8.46	2.9		
181	1092	8.07	3.0		
213	925	6.84	3.2		
244	809	5.98	3.5		
72	2724	20.14	1.04		
80	2467	18.24	1.14		
90	2187	16.17	1.23		
100	1978	14.62	1.29		
118	1676	12.39	1.34		
135	1465	10.83	1.43	R 97	4
158	1253	9.26	1.52	RF97	4
174	1132	8.37	1.69		
206	959	7.09	1.96		
235	839	6.20	2.1		
282	701	5.18	2.4		
325	607	4.49	2.5		
147	1339	9.90	0.83		
158	1251	9.25	0.91		
175	1125	8.32	0.97	R 87	4
202	977	7.22	1.03	RF87	4
226	875	6.47	1.10		
272	725	5.36	1.18		
412	500	3.57	3.36	RX 157	4
				RXF157	4
348	592	4.20	1.32		
383	537	3.81	1.45		
432	477	3.38	1.64		
476	433	3.07	1.80		
553	372	2.64	2.10	RX 107	4
635	324	2.30	2.41	RXF107	4
749	275	1.95	2.61		
854	241	1.71	2.75		
1014	203	1.44	2.99		
401	513	3.64	1.09		
442	465	3.30	1.20	RX 97	4
500	412	2.92	1.36	RXF97	4
553	372	2.64	1.50		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
22kW					
652	316	2.24	1.77		
745	276	1.96	1.94	RX 97	4
890	231	1.64	2.05	RXF97	4
1028	200	1.42	2.14		
529	389	2.76	0.98		
589	350	2.48	1.09		
679	303	2.15	1.19	RX 87	4
756	272	1.93	1.23	RXF87	4
913	226	1.60	1.31		
1050	196	1.39	1.39		
30kW					
16	16996	92.14	1.0		
18	14735	79.88	1.15		
21	13109	71.07	1.29		
23	11802	63.98	1.43		
25	10793	58.51	1.57	R 167	4
29	9391	50.91	1.80	RF167	4
32	8288	44.93	2.04		
37	7185	38.95	2.4		
42	6393	34.66	2.6		
49	5510	29.87	3.1		
60	4477	24.27	3.8		
71	3796	20.58	4.5		
17	15397	83.47	0.8		
20	13298	72.09	0.92		
22	12294	66.65	0.99		
24	11261	61.50	1.09		
28	9752	52.87	1.25		
31	8605	46.65	1.42	R 147	4
36	7432	40.29	1.64	RF147	4
41	6574	35.64	1.86		
49	5525	29.95	2.2		
60	4462	24.19	2.5		
71	3770	20.44	3.0		
81	3328	18.04	3.0		
93	2885	15.64	4.2		
29	9382	50.86	0.80		
33	8188	44.39	0.92		
39	6945	37.65	1.08		
44	6071	32.91	1.24		
52	5133	27.83	1.41		
61	4427	24.00	1.69		
66	4086	22.15	1.85	R 137	4
77	3512	19.04	2.1	RF137	4
87	3099	16.80	2.4		
101	2676	14.51	2.8		
114	2367	12.83	3.2		
135	1990	10.79	3.8		
192	1400	7.59	3.4		
229	1177	6.38	4.1		
74	3656	19.82	1.11		
81	3318	17.99	1.22		
94	2852	15.46	1.42		
108	2490	13.50	1.62		
128	2112	11.45	1.88	R 107	4
146	1846	10.01	1.91	RF107	4
173	1561	8.46	2.2		
181	1489	8.07	2.2		
213	1262	6.84	2.5		
244	1103	5.98	2.6		
289	933	5.06	2.9		

R

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
30kW					
100	2697	14.62	0.80		
118	2285	12.39	0.90		
135	1998	10.83	0.98		
158	1708	9.26	1.12	R 97	4
174	1544	8.37	1.24	RF97	4
206	1308	7.09	1.44		
235	1144	6.20	1.55		
282	955	5.18	1.75		
325	828	4.49	1.85		
432	649	3.40	1.71	RX 127	4
				RXF127	4
432	623	3.38	1.25		
476	566	3.07	1.38		
553	487	2.64	1.60	RX 107	4
635	424	2.30	1.84	RXF107	4
749	360	1.95	2.0		
854	315	1.71	2.1		
1014	266	1.44	2.3		
500	539	2.92	1.04		
553	487	2.64	1.15		
652	413	2.24	1.35	RX 97	4
745	362	1.96	1.48	RXF97	4
890	303	1.64	1.57		
1028	262	1.42	1.63		
37kW					
18	18049	79.88	0.94		
21	16058	71.07	1.05		
23	14456	63.98	1.17		
25	13220	58.51	1.28		
29	11503	50.91	1.47		
33	10152	44.93	1.67	R 167	4
38	8801	38.95	1.92	RF167	4
42	7831	34.66	2.16		
49	6749	29.87	2.5		
61	5484	24.27	3.1		
78	4232	18.73	4.0		
90	3685	16.31	4.6		
101	3290	14.56	5.1		
22	15060	66.65	0.81		
24	13794	61.50	0.89		
28	11946	52.87	1.02		
32	10541	46.65	1.16		
36	9104	40.29	1.34	R 147	4
41	8053	35.64	1.52	RF147	4
49	6767	29.95	1.81		
61	5466	24.19	2.0		
72	4618	20.44	2.4		
81	4076	18.04	2.4		
94	3534	15.64	3.5		
106	3143	13.91	3.8		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
37kW					
39	8507	37.65	0.88		
45	7436	32.91	1.01		
53	6288	27.83	1.20		
61	5423	24.00	1.38		
67	5005	22.15	1.51		
77	4302	19.04	1.75	R 137	4
88	3796	16.80	1.98	RF137	4
101	3279	14.51	2.3		
115	2899	12.83	2.6		
136	2438	10.79	2.8		
169	1968	8.71	3.1		
194	1715	7.59	3.3		
230	1442	6.38	3.7		
285	1164	5.15	3.7		
74	4478	19.82	0.90		
82	4065	17.99	0.99		
95	3493	15.46	1.16		
109	3050	13.50	1.33		
128	2587	11.45	1.50		
147	2262	10.01	1.56	R 107	4
174	1912	8.46	1.79	RF107	4
182	1823	8.07	1.8		
215	1546	6.84	2.1		
246	1351	5.98	2.1		
291	1143	5.06	2.4		
432	801	3.40	1.39		
490	707	3.00	1.57	RX 127	4
568	610	2.59	1.82	RXF127	4
435	796	3.38	0.98		
479	723	3.07	1.08		
557	622	2.64	1.25	RX 107	4
639	542	2.30	1.44	RXF107	4
754	459	1.95	1.57		
860	403	1.71	1.65		
1021	339	1.44	1.79		
45kW					
23	17463	63.98	0.97		
25	15970	58.51	1.06		
29	13896	50.91	1.22		
33	12264	44.93	1.38		
38	10631	38.95	1.59		
43	9460	34.66	1.79	R 167	4
50	8153	29.87	2.08	RF167	4
61	6624	24.27	2.4		
72	5617	20.58	2.6		
79	5112	18.73	3.0		
91	4452	16.31	3.4		
102	3974	14.56	3.5		
28	14431	52.87	0.85		
32	12733	46.65	0.96		
37	10997	40.29	1.11		
42	9728	35.64	1.26		
49	8175	29.95	1.49		
61	6603	24.19	1.69		
72	5579	20.44	2.0	R 147	4
82	4924	18.04	2.0	RF147	4
95	4269	15.64	2.9		
106	3797	13.91	3.2		
123	3273	11.99	3.7		
204	1979	7.25	4.1		



R

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
45kW					
45	8983	32.91	0.84		
53	7596	27.83	0.99		
62	6551	24.00	1.15		
67	6046	22.15	1.24		
78	5197	19.04	1.45		
88	4586	16.80	1.64	R 137	4
102	3960	14.51	1.90	RF137	4
115	3502	12.83	2.1		
137	2945	10.79	2.3		
170	2377	8.71	2.6		
195	2072	7.59	2.8		
232	1741	6.38	3.1		
287	1406	5.15	3.1		
96	4220	15.46	0.96		
110	3685	13.50	1.10		
129	3125	11.45	1.27		
148	2732	10.01	1.29		
175	2309	8.46	1.48	R 107	4
183	2203	8.07	1.50	RF107	4
216	1867	6.84	1.71		
247	1632	5.98	1.75		
292	1381	5.06	2.0		
435	968	3.40	1.15		
493	854	3.00	1.30		
571	737	2.59	1.51	RX 127	4
646	652	2.29	1.70	RXF127	4
767	549	1.93	2.02		
438	962	3.38	0.81		
482	874	3.07	0.89		
561	751	2.64	1.04	RX 107	4
643	654	2.30	1.19	RXF107	4
759	555	1.95	1.30		
865	487	1.71	1.36		
1028	410	1.44	1.48		
55kW					
29	16984	50.91	1.00		
33	14989	44.93	1.13		
38	12984	38.95	1.30		
43	11563	34.66	1.46		
50	9963	29.87	1.70	R 167	4
61	8097	24.27	1.96	RF167	4
72	6866	20.58	2.09		
79	6248	18.73	2.50		
91	5441	16.31	2.76		
102	4857	14.56	2.90		
119	4140	12.41	4.09		
144	3429	10.28	4.66		
32	15563	46.65	0.8		
37	13441	40.29	0.91		
42	11890	35.64	1.03		
49	9991	29.95	1.22		
61	8070	24.19	1.39		
72	6819	20.44	1.65		
82	6018	18.04	1.64	R 147	4
95	5218	15.64	2.3	RF147	4
106	4640	13.91	2.6		
123	4000	11.99	3.1		
152	3249	9.74	3.8		
204	2419	7.25	3.4		
251	1965	5.89	4.1		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
55kW					
78	6352	19.04	1.18		
88	5605	16.80	1.34		
102	4841	14.51	1.55		
115	4280	12.83	1.76	R 137	4
137	3600	10.79	1.90	RF137	4
170	2906	8.71	2.1		
195	2532	7.59	2.3		
232	2128	6.38	2.5		
287	1718	5.15	2.5		
415	1242	3.57	1.35	RX 157	4
479	1075	3.09	1.56	RXF157	4
75kW					
38	17719	38.95	0.95		
43	15767	34.66	1.07		
50	13588	29.87	1.25		
61	11041	24.27	1.43		
72	9362	20.58	1.53	R 167	4
79	8521	18.73	1.81	RF167	4
91	7420	16.31	2.03		
102	6624	14.56	2.13		
119	5646	12.41	3.0		
144	4677	10.28	3.4		
169	3990	8.77	4.0		
49	13625	29.95	0.90		
61	11004	24.19	1.11		
72	9298	20.44	1.20		
82	8207	18.04	1.21		
95	7115	15.64	1.72		
106	6328	13.91	1.87	R 147	4
123	5454	11.99	2.2	RF147	4
152	4431	9.74	2.5		
179	3758	8.26	2.8		
204	3298	7.25	3.0		
251	2679	5.89	3.3		
296	2275	5.00	3.6		
479	1466	3.09	1.15		
538	1304	2.75	1.29	RX 157	4
624	1124	2.37	1.49	RXF157	4
767	915	1.93	1.84		
767	915	1.93	1.21	RX 127	4
949	740	1.56	1.50	RXF127	4
90kW					
43	18921	34.66	0.89		
50	16306	29.87	1.04		
61	13249	24.27	1.20		
72	11235	20.58	1.28	R 167	4
79	10225	18.73	1.51	RF167	4
91	8904	16.31	1.69		
102	7947	14.56	1.77		
119	6775	12.41	2.5		
144	5612	10.28	2.8		
169	4788	8.77	3.3		

R

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
90kW					
72	11158	20.44	1.01	R 147 RF147	4 4
82	9848	18.04	1.10		
95	8538	15.64	1.43		
106	7593	13.91	1.56		
123	6545	11.99	1.87		
156	5170	9.47	2.1		
179	4509	8.26	2.4		
204	3958	7.25	2.5		
251	3215	5.89	2.7		
296	2729	5.00	3.0		
542	1555	2.75	1.08	RX 157 RXF157	4 4
629	1340	2.37	1.25		
772	1091	1.93	1.54		
955	882	1.56	1.26	RX 127 RXF127	4 4
110kW					
61	16193	24.27	1.04	R 167 RF167	4 4
72	13731	20.58	1.23		
91	10882	16.31	1.38		
102	9715	14.56	1.45		
119	8280	12.41	2.04		
144	6859	10.28	2.3		
169	5851	8.77	2.7		
629	1638	2.37	1.03	RX 157 RXF157	4 4
772	1334	1.93	1.26		
914	1126	1.63	1.49		
132kW					
72	16477	20.58	1.03	R 167 RF167	4 4
91	13059	16.31	1.15		
102	11657	14.56	1.21		
119	9936	12.41	1.70		
144	8231	10.28	1.94		
169	7022	8.77	2.28		
914	1351	1.63	1.24	RX 157 RXF157	4 4
160kW					
120	11963	12.41	1.41	R 167 RF167	4 4
145	9910	10.28	1.61		
170	8484	8.77	1.89		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p



R

Mamax Permissible torque Nm	输出转速 Output speed r/min	传动比 Ratio i	机型号 Type	功率 Power kW/4p
130	8.5	164	R 27R17 RF27R17	0.18
	8.9	156		
	10	135		
	12	118		
	13	104		0.25
	15	90		
200	4.8	289	R 37R17 RF37R17	0.18
	5.7	243		
	6.2	226		
	7.5	185		
	8.5	164		0.25
	8.9	156		
	10	135		
	11	127		
	13	104		0.37
	15	90		
300	3.2	429	R 47R37 RF47R37	0.18
	3.7	372		
	4.0	348		
	4.6	301		
	5.5	255		0.25
	6.1	228		
450	2.1	678	R 57R37 RF57R37	0.18
	2.4	589		
	2.6	537		
	3.0	471		
	3.9	357		0.25
	4.4	319		
	5.2	267		0.37
	5.8	241		
600	1.7	836	R 67R37 RF67R37	0.18
	1.9	750		
	2.0	730		
	2.2	630		
	2.4	571		
	2.5	561		
	2.8	495		0.25
	2.9	486		
	3.2	438		
	3.6	388		
	4.1	336		0.37
	4.8	287		
820	1.2	1124	R 77R37 RF77R37	0.18
	1.3	1047		
	1.5	915		
	1.6	858		
	1.8	757		
	2.1	671		0.25
	2.4	571		
	2.5	547		
	2.9	477		0.37
	3.3	426		
	3.8	364		
	4.5	312		0.55
	4.5	310		
	5.6	248		
1550	0.65	2129	R 87R57 RF87R57	0.18
	0.71	1955		
	0.72	1930		
	0.79	1737		
	0.80	1733		

Mamax Permissible torque Nm	输出转速 Output speed r/min	传动比 Ratio i	机型号 Type	功率 Power kW/4p
1550	0.82	1690	R 87R57 RF87R57	0.18
	0.91	1524		
	1.0	1395		0.25
	1.1	1232		
	1.2	1145		
	1.3	1037		
	1.6	883		0.37
	1.7	802		
	1.8	754		
	1.4	1008		0.55
	2.0	683		
	2.3	599		
	2.6	538		
	2.9	472		
	3.4	400		0.75
	3.5	396		
	3.9	361		
	4.0	351		
	4.6	305		1.1
	4.7	300		
	5.2	267		
	5.5	256		
3000	0.32	4309	R 97R57 RF97R57	0.18
	0.35	4004		
	0.38	3702		
	0.40	3481		
	0.46	3019		
	0.52	2668		0.25
	0.62	2245		
	0.69	2016		
	0.76	1823		0.37
	0.80	1733		
	0.86	1623		
	0.88	1583		
	0.97	1434		
	1.00	1396		
	1.1	1228		0.55
	1.2	1207		
	1.3	1084		
	1.3	1068		
	1.5	937		
	1.5	934		
	1.6	878		
	1.7	824		0.75
	1.8	755		
	1.9	737		
	2.1	631		1.1
	2.2	625		
	2.5	549		
	2.6	560		
	2.9	484		
	3.2	430		1.5
	3.7	379		
	4.1	336		
	4.7	296		2.2
	5.1	270		
	5.6	249		
	5.9	234		
	6.1	227		

表上所配功率均有超载,按实际条件确定的转扭不得大于减速机额定转扭。

The power are all overload in the table.The decided torque according to operating condition should not more than gear units' nominal torque.

R

Mamax Permissible torque Nm	输出转速 Output speed r/min	传动比 Ratio i	机型号 Type Type	功率 Power kW/4p
4300	0.21	6690	R 107R77 RF107R77	0.18
	0.24	5735		
	0.27	5127		
	0.32	4302		
	0.36	3870		
	0.36	3847		0.25
	0.42	3302		
	0.46	3015		
	0.46	2997		
	0.53	2621		0.37
	0.62	2252		
	0.68	2041		
	0.71	1971		
	0.77	1813		0.55
	0.83	1673		
	0.88	1587		
	0.91	1531		
	1.00	1390		
	1.00	1389		
	1.14	1216		0.75
	1.2	1194		
	1.27	1095		
	1.3	1043		
	1.50	927		
	1.6	888		1.1
	1.7	787		
	2.0	692		
	2.3	605		1.5
	2.4	598		
	2.6	530		
	2.7	510		
	2.9	479		
	3.1	463		
	3.4	420		2.2
	3.5	406		
	3.8	373		
	4.0	357		
	4.5	321		
	4.6	313		
	5.1	281		3
	5.2	277		
	5.7	253		
	5.8	245		
	6.6	217		4
	6.9	208		
	7.5	191		
	7.9	181		
	8.6	167		
8000	0.12	11712	R 137R77 RF137R77	0.18
	0.13	10573		
	0.16	8784		
	0.19	7479		0.25
	0.22	6412		
	0.24	5834		
	0.28	5001		0.37
	0.30	4709		
	0.32	4364		
8000	0.34	4018	R 137R77 RF137R77	0.37
	0.35	3928		
	0.40	3514		0.55
	0.41	3377		
	0.42	3338		
	0.47	2929		
	0.48	2926		
	0.52	2658		
	0.56	2484		
	0.58	2412		0.75
	0.62	2242		
	0.67	2073		
	0.75	1863		
	0.76	1839		
	0.88	1598		1.1
	1.0	1397		
	1.1	1226		
	1.3	1090		1.5
	1.3	1080		
	1.4	1020		
	1.5	951		
	1.6	869		
	1.7	831		2.2
	2.0	730		
	2.1	684		
	2.3	629		
	2.3	609		
	2.6	564		3
	2.6	549		
	2.8	517		
	2.9	490		
	3.2	453		
	3.4	428		4
	3.8	376		
	3.8	374		
	4.2	339		
	4.5	317		5.5
	4.8	297		
	5.0	286		
	5.8	250		
13000	0.08	18210	R 147R77 RF147R77	0.18
	0.09	15923		
	0.10	14075		
	0.12	12344		0.25
	0.13	11143		
	0.15	9743		
	0.17	8443		0.37
	0.20	7307		
	0.22	6447		
	0.26	5568		0.55
	0.30	4815		
	0.33	4325		
	0.39	3669		0.75
	0.44	3228		
	0.50	2833		

表上所配功率均有超载,按实际条件确定的转扭不得大于减速机额定转扭。

The power are all overload in the table.The decided torque according to operating condition should not more than gear units' nominal torque.



R

Mamax Permissible torque Nm	输出转速 Output speed r/min	传动比 Ratio i	机型号 Type	功率 Power kW/4p
13000	0.56	2555	R 147R77 RF147R77	1.1
	0.65	2211		
	0.73	1951		
	0.84	1705		1.5
	0.93	1536		
	1.1	1329		2.2
	1.2	1166		
	1.4	1029		
	1.6	889		3
	1.8	784		
	2.1	695		4
	2.4	607		
	2.6	547		
	3.0	480		5.5
	2.7	540	R 147R87 RF147R87	4
	3.1	462		5.5
	3.3	432		
	3.9	373		7.5
	4.4	330		
	6.8	216		11
18000	0.05	27001	R 167R97 RF167R97	0.55
	0.06	22482		
	0.07	20002		
	0.08	17361		
	0.09	15446		
	0.10	14051		
	0.12	11812		
	0.13	10519		
	0.14	9754		
	0.23	6069		
	0.26	5399		0.75
	0.30	4709		
	0.33	4182		
	0.18	7749		1.1
	0.20	6894		
	0.37	3739		
	0.54	2657		1.5
	0.61	2333		
	0.69	2085		
	0.76	1877		2.2
	0.86	1670		
	0.98	1456		
	1.1	1296		3
	1.3	1137		
	1.4	1012		
	1.7	872		4
	1.9	770		
	2.2	664		5.5
	2.5	578		
	2.8	510		7.5
	3.3	438		
	3.8	380		
	4.3	338		
	4.8	307		11
	5.2	282		

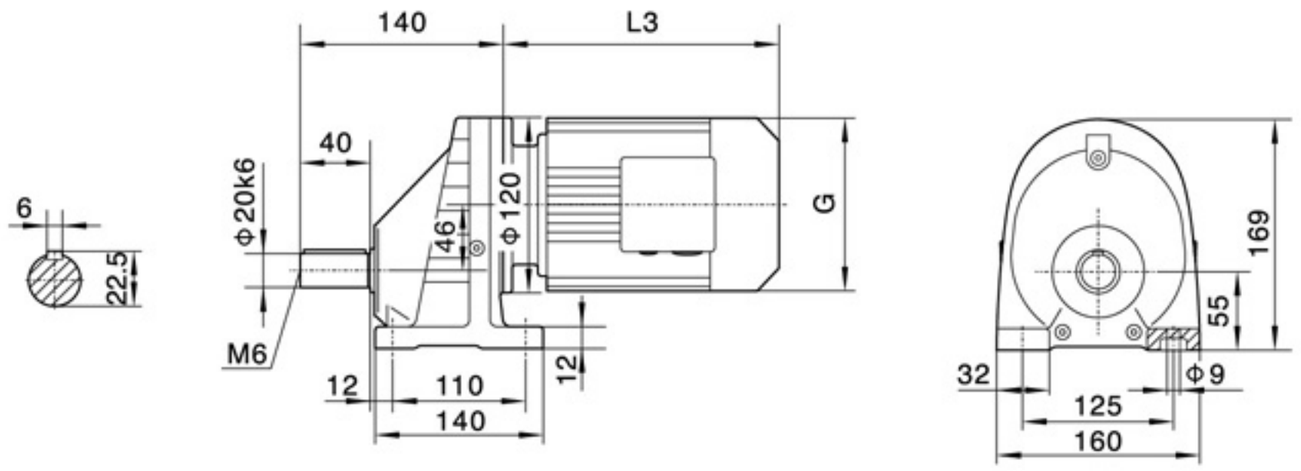
Mamax Permissible torque Nm	输出转速 Output speed r/min	传动比 Ratio i	机型号 Type	功率 Power kW/4p
	4.9	295	R 167R107 RF167R107	11
	5.1	287		
	5.2	281		
	5.6	260		15
	6.1	238		
	6.5	224		
	7.0	208		
	7.5	195		

表上所配功率均有超载,按实际条件确定的转扭不得大于减速机额定转扭。

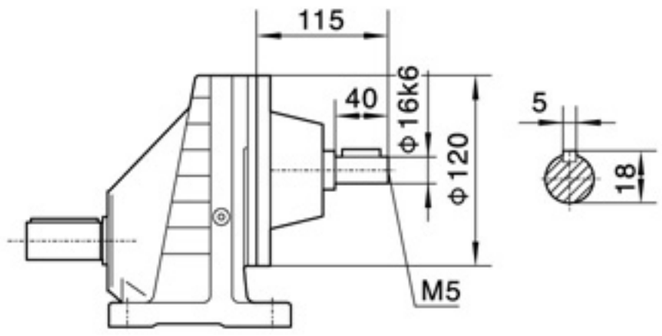
The power are all overload in the table.The decided torque according to operating condition should not more than gear units' nominal torque.

R

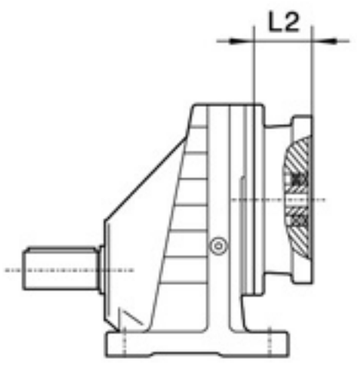
RX37



RX..S37

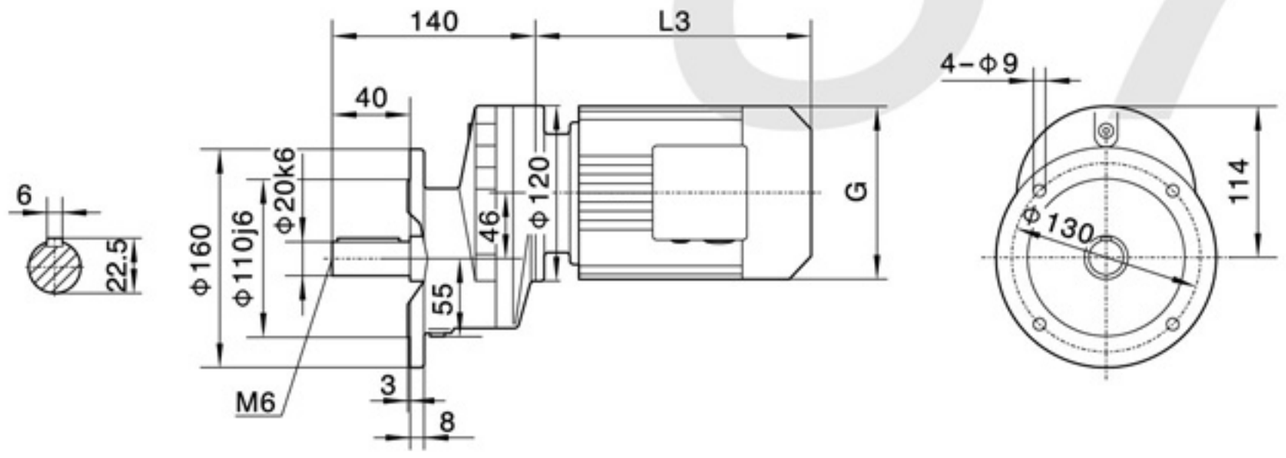


电机需方配时或配特殊电机时需加联接法兰
When equipping the user' s motor or the special one,the flange is required to connected.



注：其余尺寸见相应的结构形式
Note: For other values please refer to the oppsited structure

RXF37



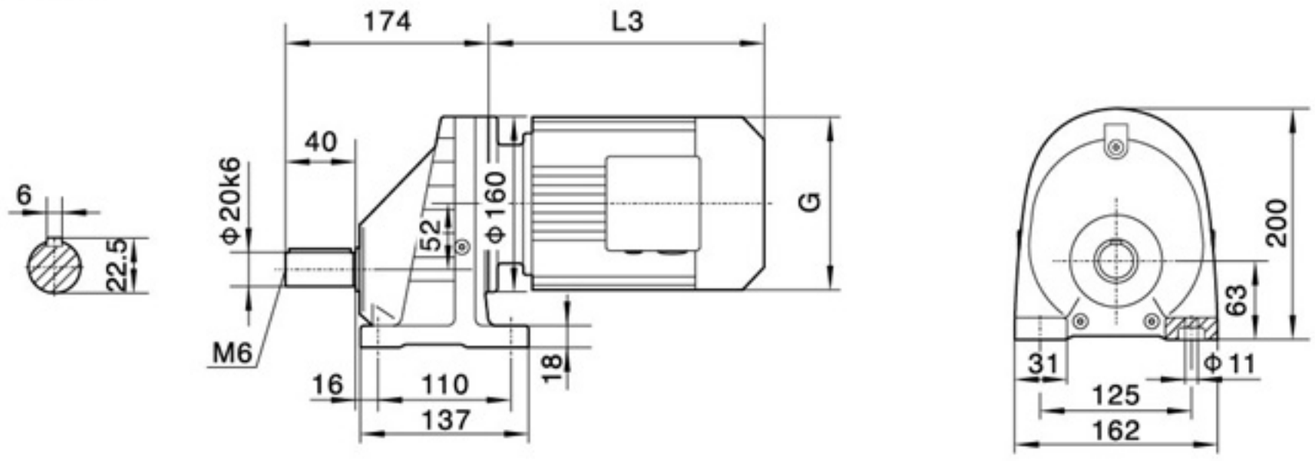
Y2电机机座号 Motor size	63	71		80		90S
功率/4P Power/(kW)	0.18	0.25	0.37	0.55	0.75	1.1
L3	223	236		264		301
G	130	145		175		195
L2	70	70		97		97

注:“RX..”表示RX、RXF
Note:"RX.."mean RX、RXF

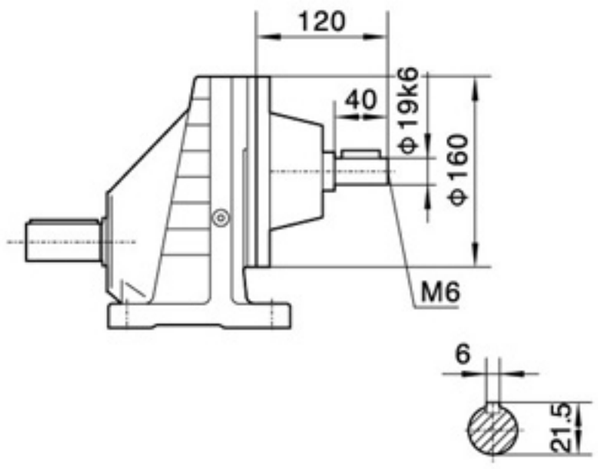


R

RX57

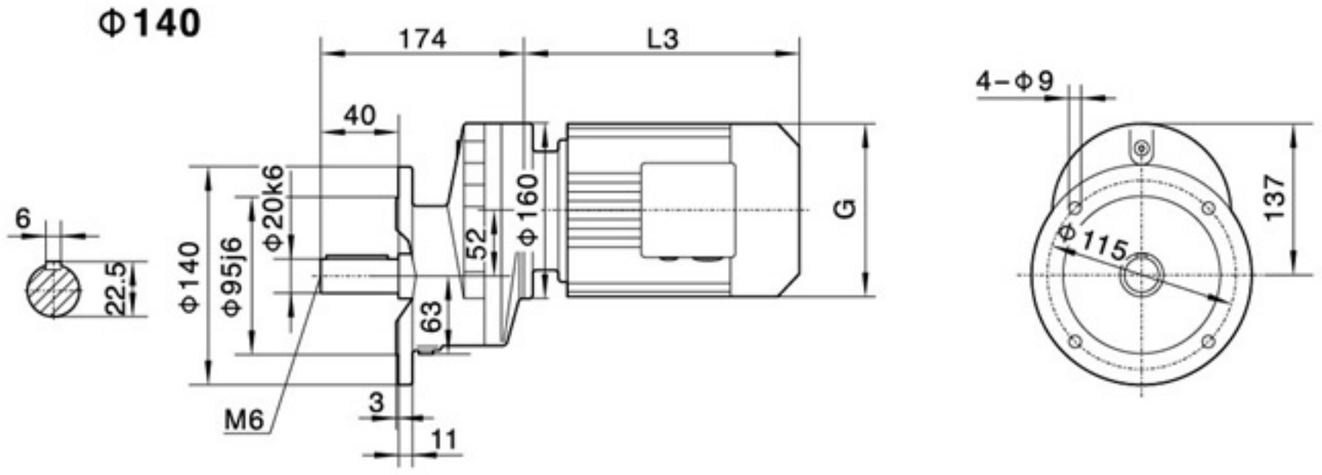


RX..S57

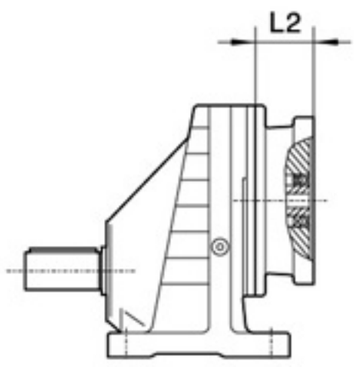


RXF57

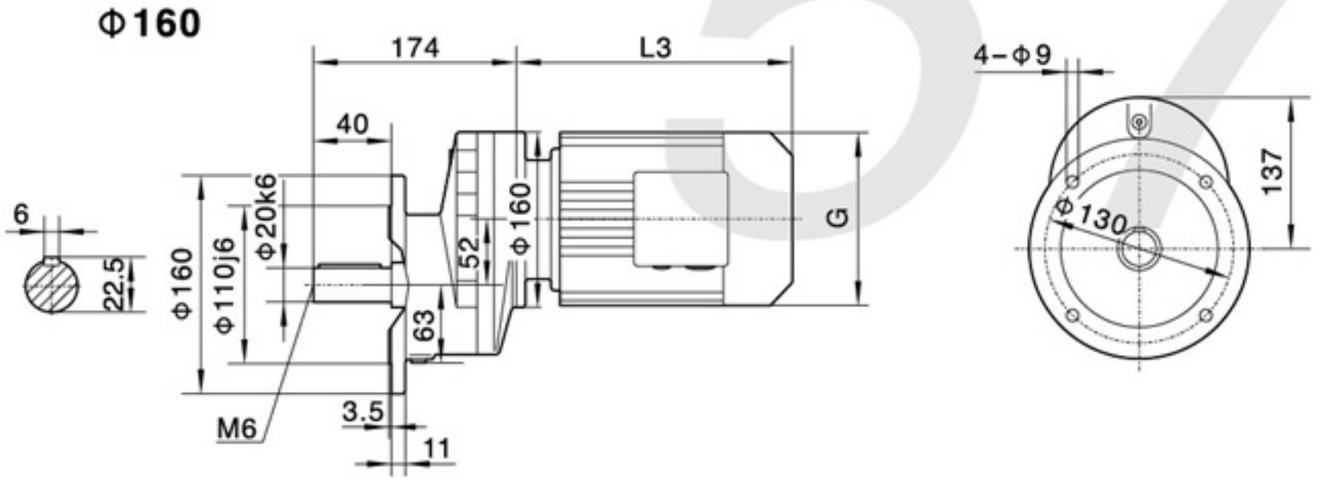
Φ140



电机需方配时或配特殊电机时需加联接法兰
When equipping the user' s motor or the special one,the flange is required to connected.

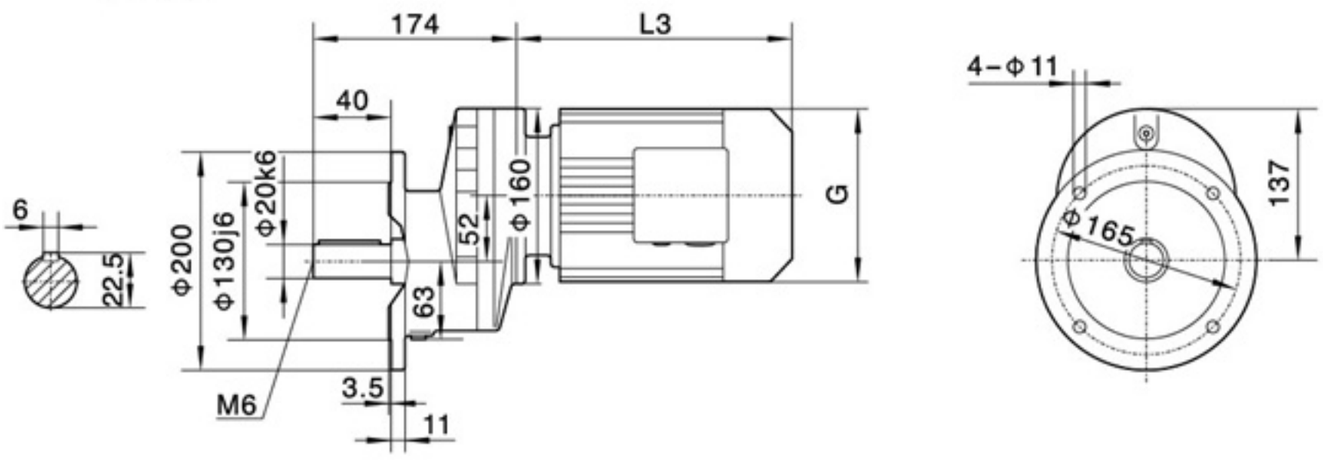


Φ160



注：其余尺寸见相应的结构形式
Note: For other values please refer to the oppsited structure

Φ200

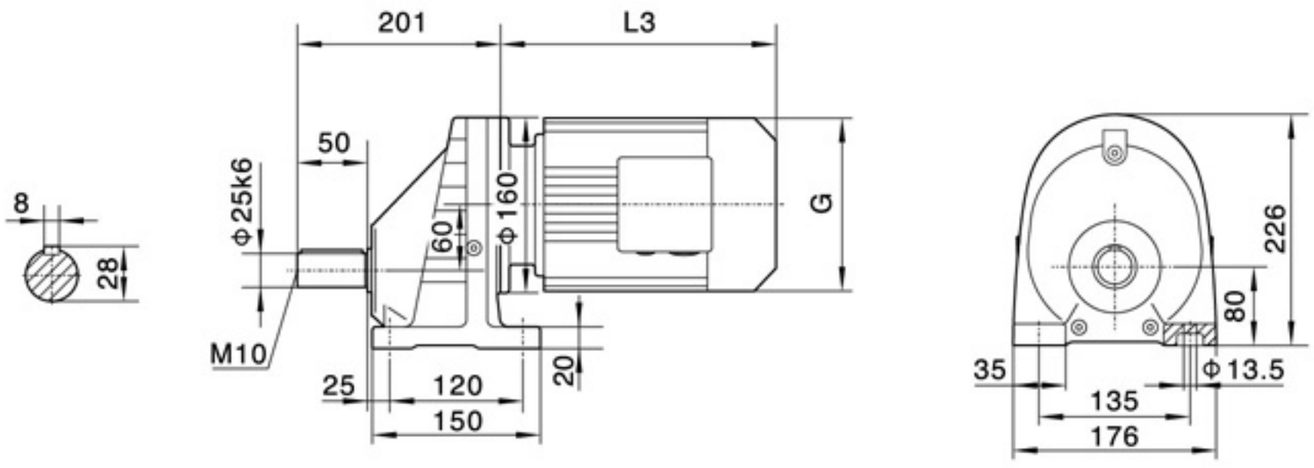


Y2电机机座号 Motor size	63	71		80		90S	90L	100		112M	132S	
功率/4P Power/(kW)	0.18	0.25	0.37	0.55	0.75	1.1	1.5	2.2	3.0	4.0	5.5	
L3	223	245		278		304	328	350		380	425	
G	130	145		175		195	195	215		240	275	
L2	70	70		91		91	91	103		103	90	

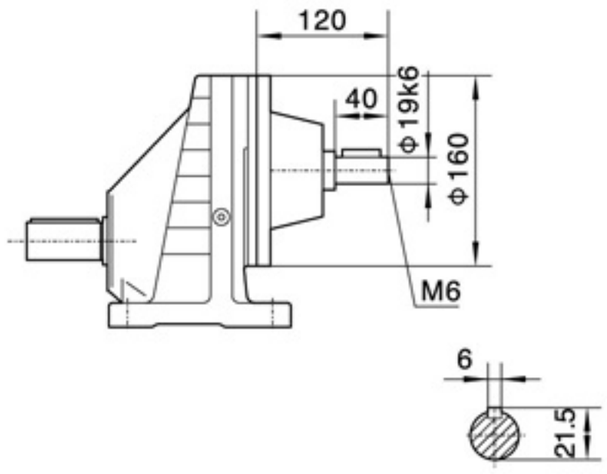
注: “RX..” 表示RX、RXF　　Note:"RX.."mean RX、RXF

R

RX67

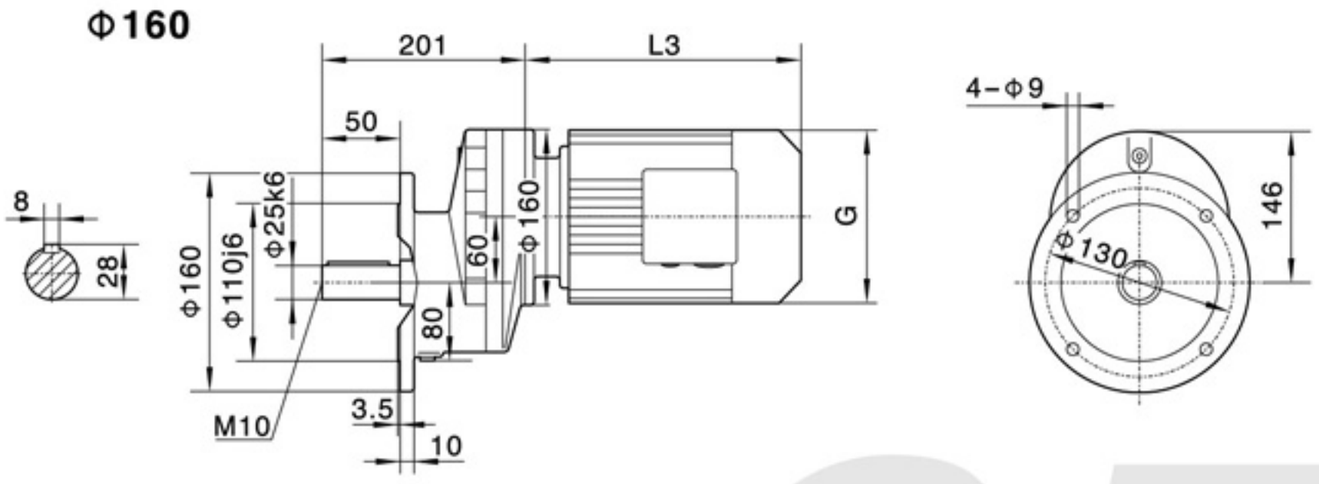


RX..S67

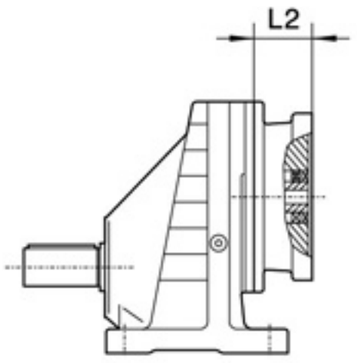


RXF67

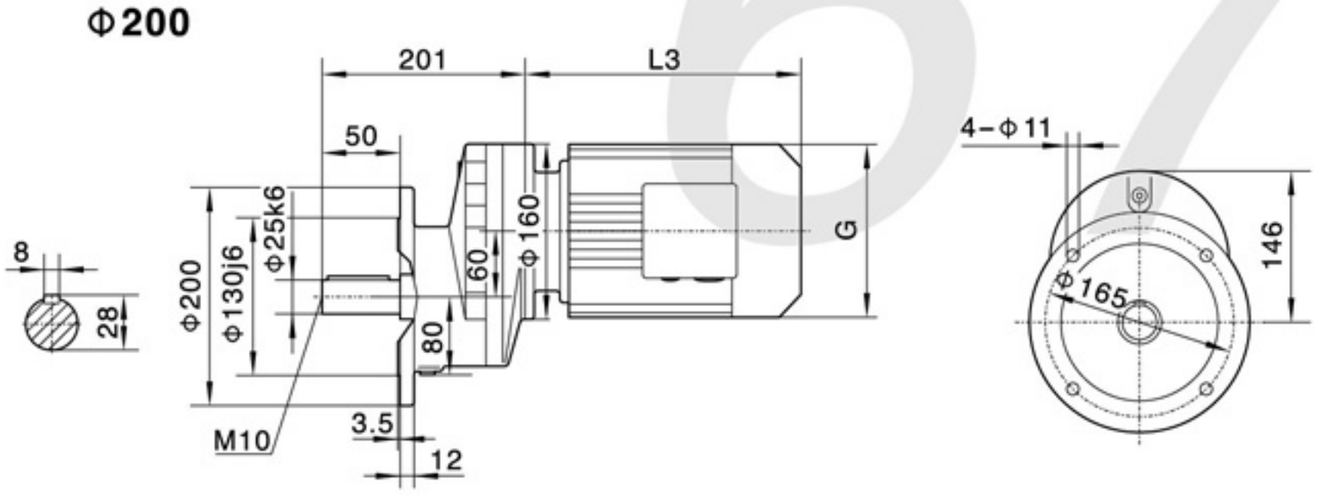
Φ160



电机需方配时或配特殊电机时需加联接法兰
When equipping the user' s motor or the special one,the flange is required to connected.

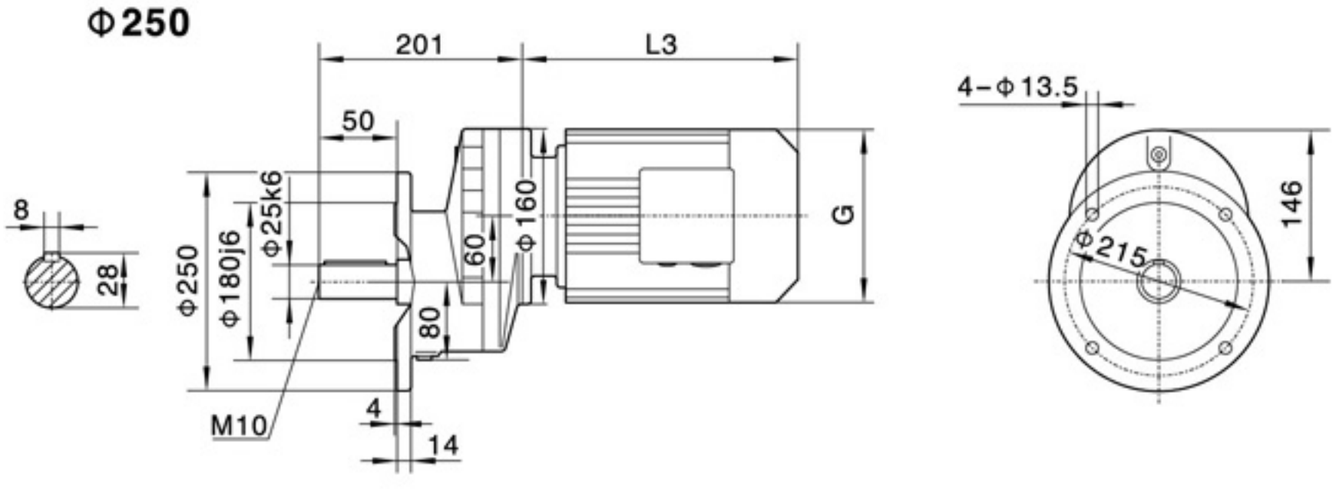


Φ200



注：其余尺寸见相应的结构形式
Note: For other values please refer to the oppsited structure

Φ250

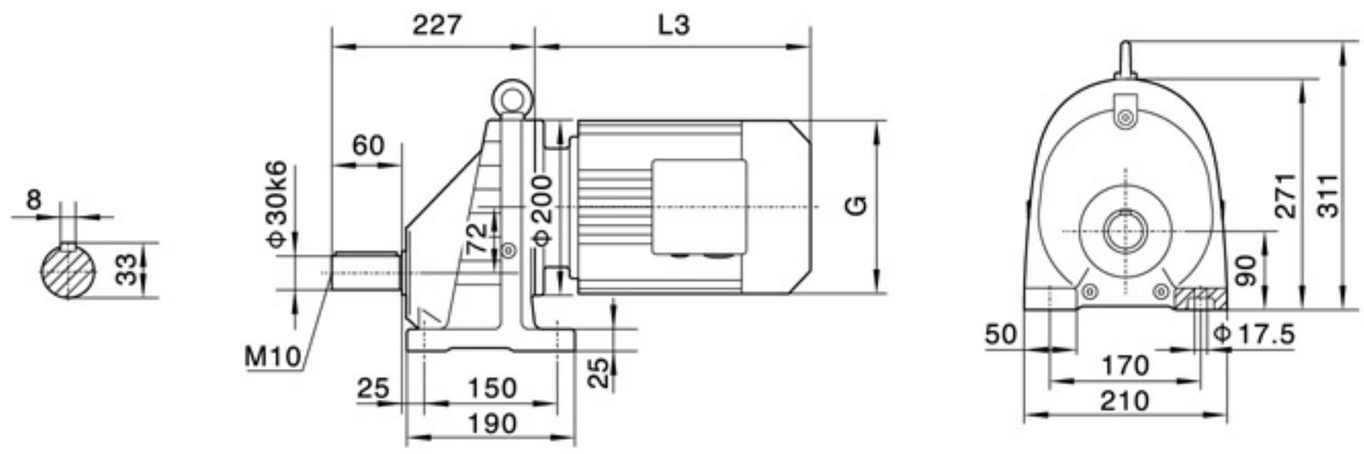


Y2电机机座号 Motor size	63	71		80		90S	90L	100		112M	132S	132M	
功率/4P Power/(kW)	0.18	0.25	0.37	0.55	0.75	1.1	1.5	2.2	3.0	4.0	5.5	7.5	
L3	223	245		278		304	328	350		380	425	461	
G	130	145		175		195	195	215		240	275	275	
L2	70	70		91		91	91	103		103	90	90	

注:“RX..”表示RX、RXF　　Note:"RX.."mean RX、RXF

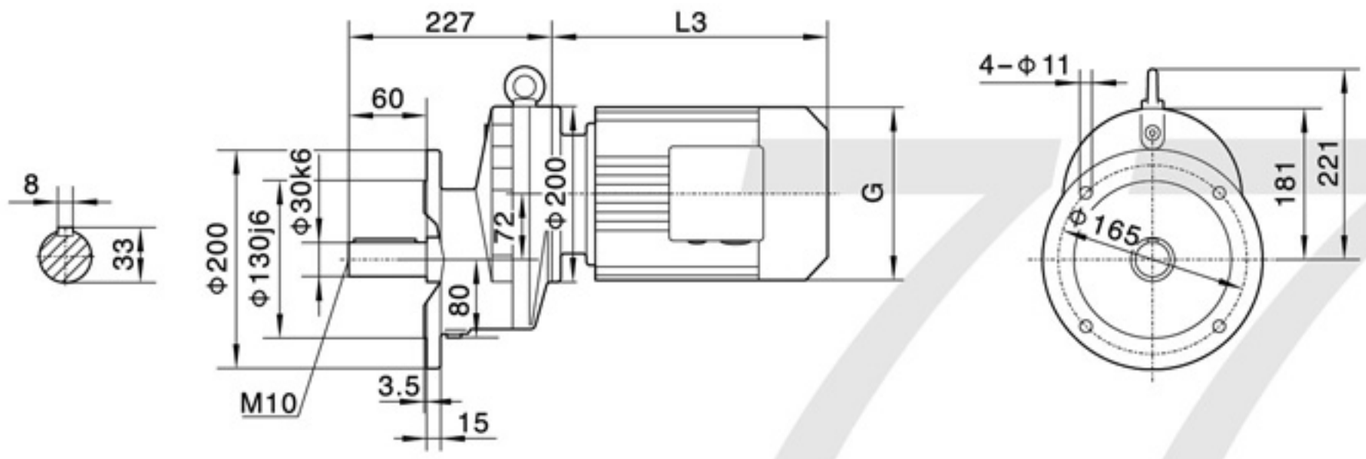
R

RX77

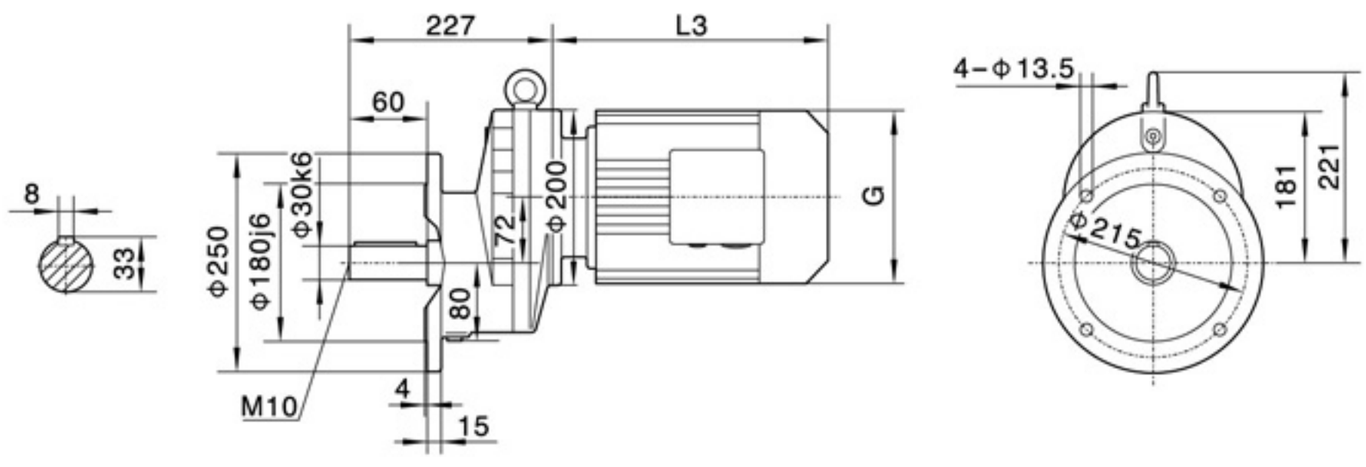


RXF77

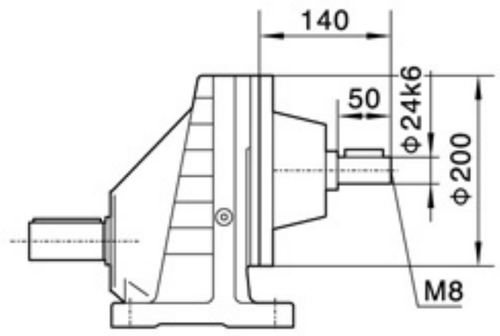
Φ200

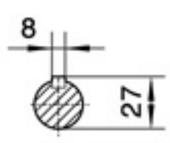


Φ250

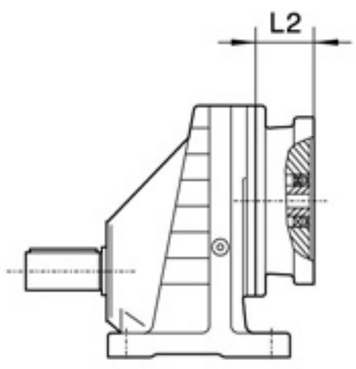


RX..S77





电机需方配时或配特殊电机时需加联接法兰
When equipping the user' s motor or the special one,the flange is required to connected.



注：其余尺寸见相应的结构形式
Note: For other values please refer to the oppsited structure

Y2电机机座号 Motor size	90S	90L	100	112M	132S	132M	160M	
功率/4P Power/(kW)	1.1	1.5	2.2 3.0	4.0	5.5	7.5	11	
L3	304	328	350	380	425	461	524	
G	195	195	215	240	275	275	330	
L2	81	81	93	93	106	106	131	

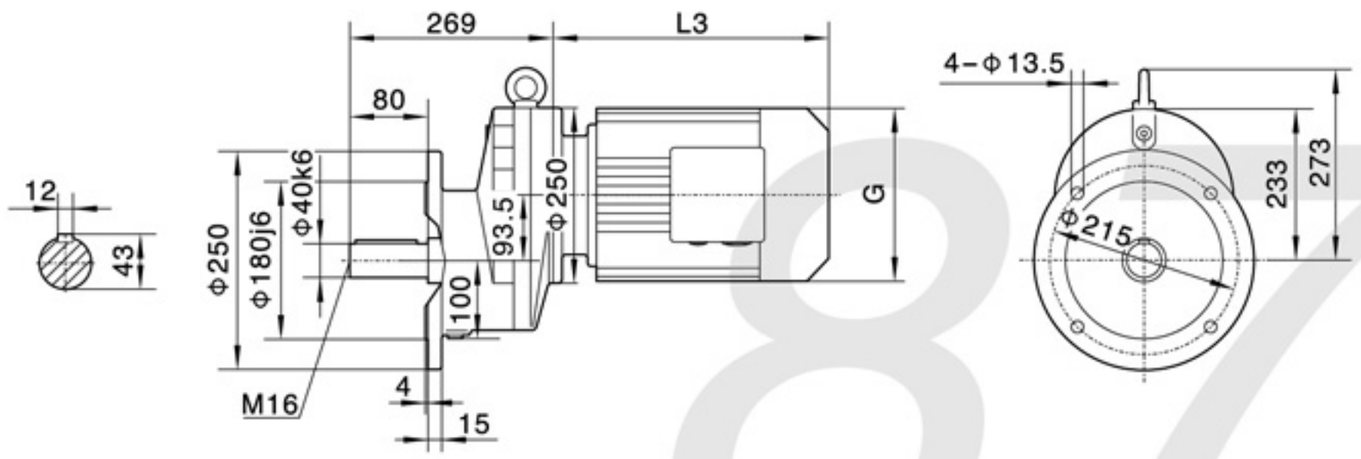
注:“RX..”表示RX、RXF
Note:"RX.."mean RX、RXF

R

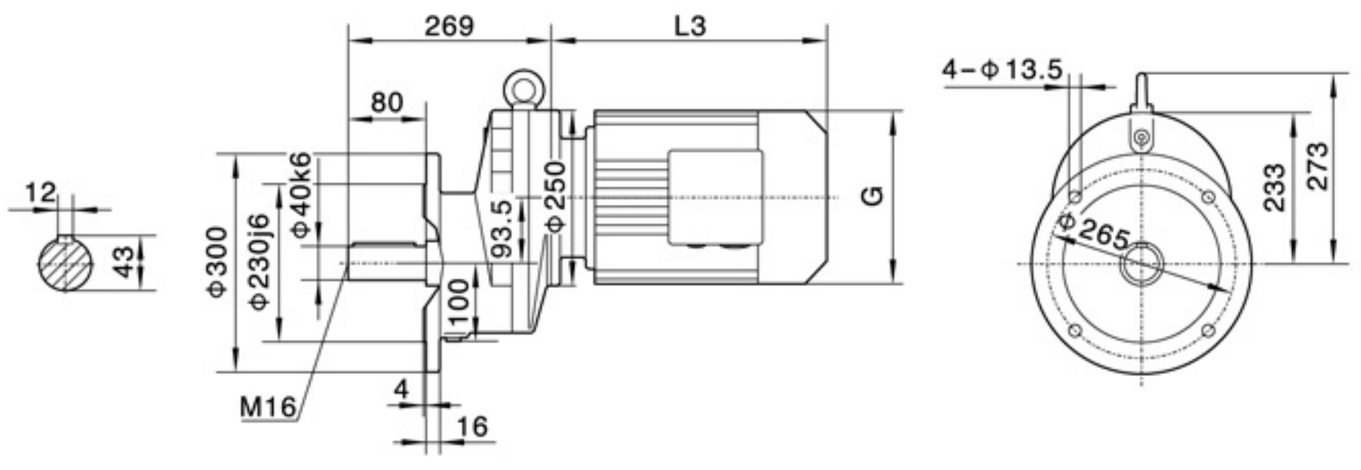
RX87

RXF87

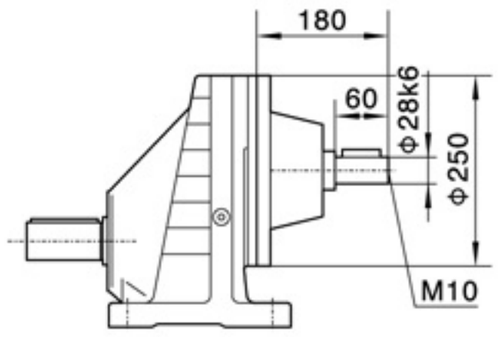
Φ250

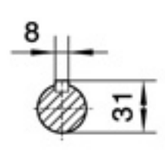


Φ300

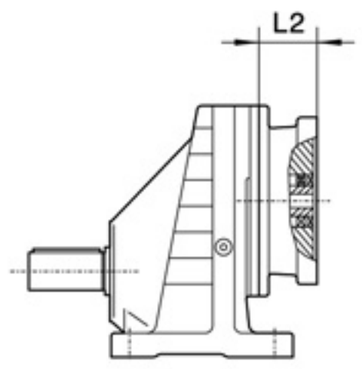


RX..S87





电机需方配时或配特殊电机时需加联接法兰
When equipping the user' s motor or the special one,the flange is required to connected.



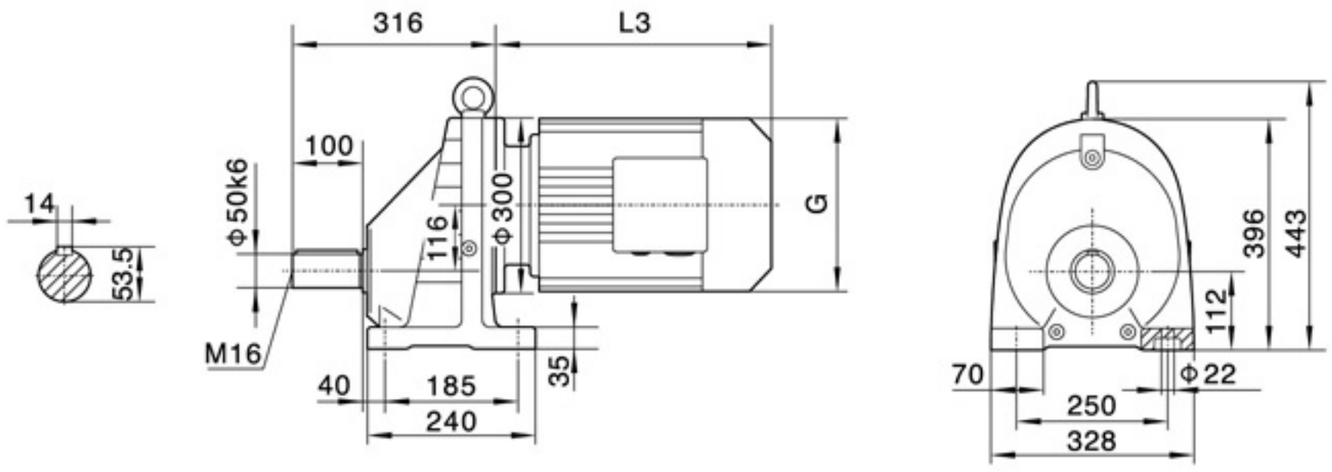
注：其余尺寸见相应的结构形式
Note: For other values please refer to the oppsited structure

Y2电机机座号 Motor size	100	112M	132S	132M	160M	160L	180M	180L	
功率/4P Power/(kW)	3.0	4.0	5.5	7.5	11	15	18.5	22	
L3	351	380	425	461	524	547	583	616	
G	215	240	275	275	330	330	380	380	
L2	88	88	101	101	126	126	126	126	

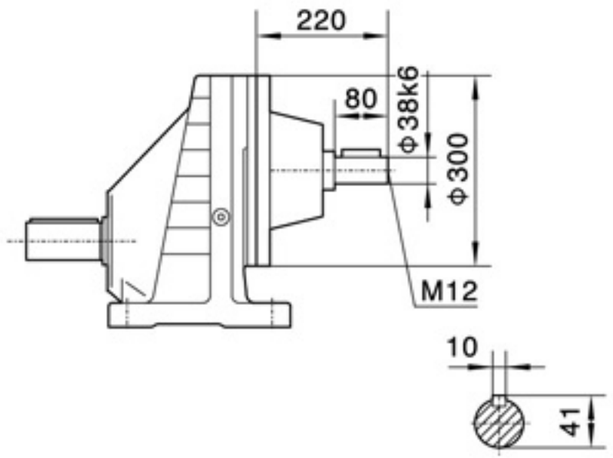
注:“RX..”表示RX、RXF
Note:"RX.."mean RX、RXF

R

RX97

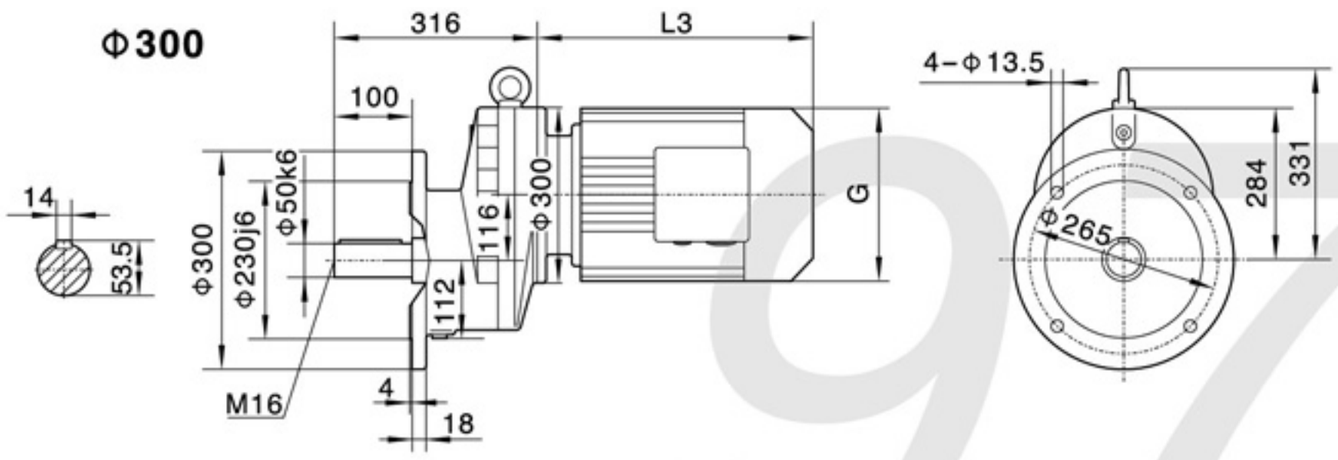


RX..S97

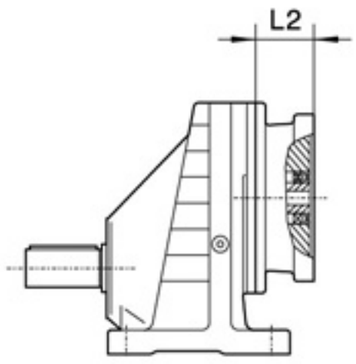


RXF97

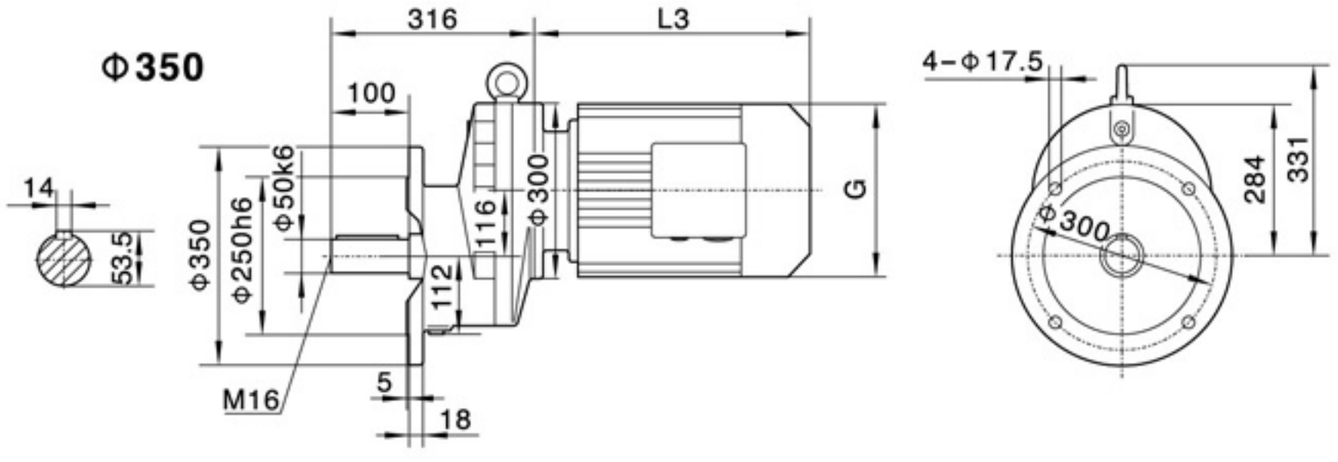
Φ300



电机需方配时或配特殊电机时需加联接法兰
When equipping the user' s motor or the special one,the flange is required to connected.



Φ350



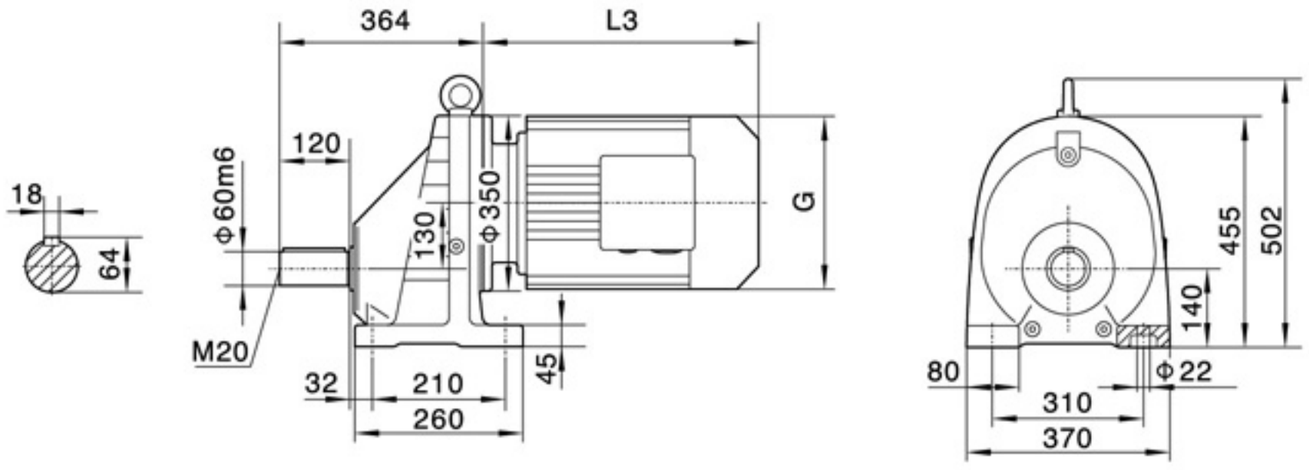
注：其余尺寸见相应的结构形式
Note: For other values please refer to the oppsited structure

Y2电机机座号 Motor size	132S	132M	160M	160L	180M	180L	200	
功率/4P Power/(kW)	5.5	7.5	11	15	18.5	22	30	
L3	425	461	524	547	555	588	654	
G	275	275	330	330	380	380	420	
L2	95	95	118	118	118	118	120	

注:“RX..”表示RX、RXF
Note:"RX.."mean RX、RXF

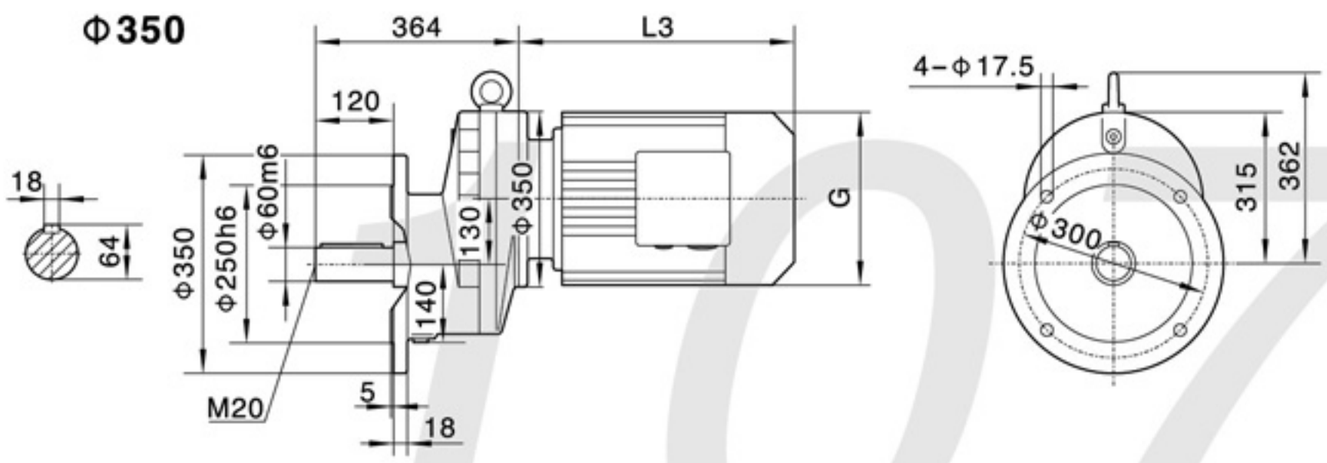
R

RX107

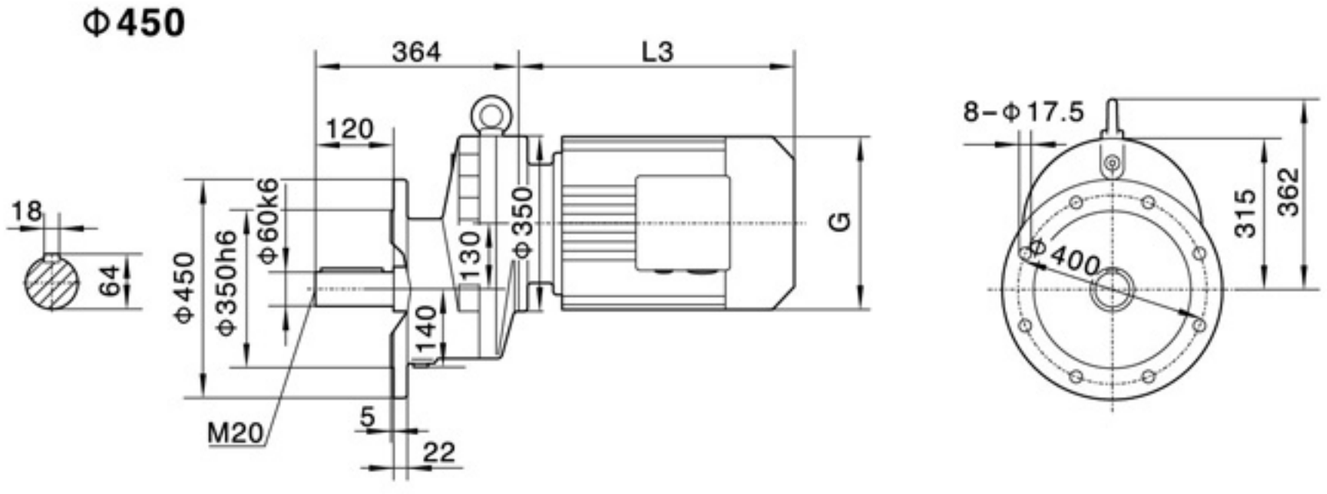


RXF107

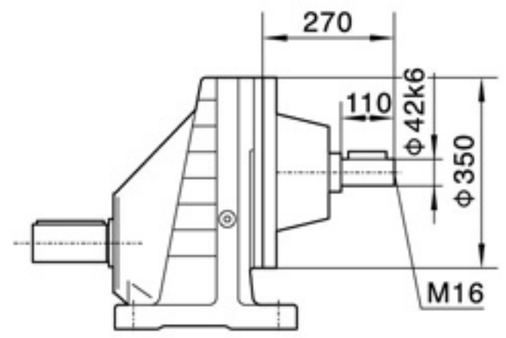
Φ350

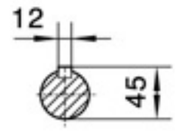


Φ450

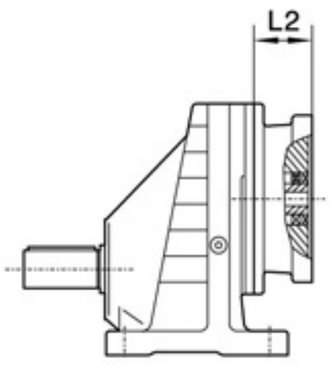


RX..S107





电机需方配时或配特殊电机时需加联接法兰
When equipping the user' s motor or the special one,the flange is required to connected.

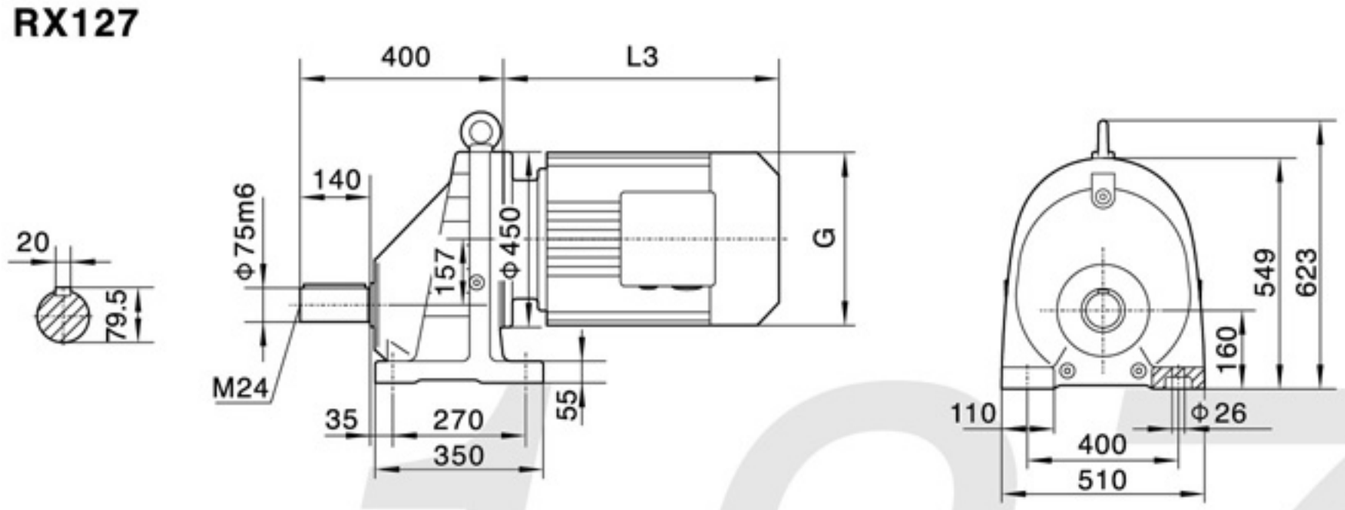


注：其余尺寸见相应的结构形式
Note: For other values please refer to the oppsited structure

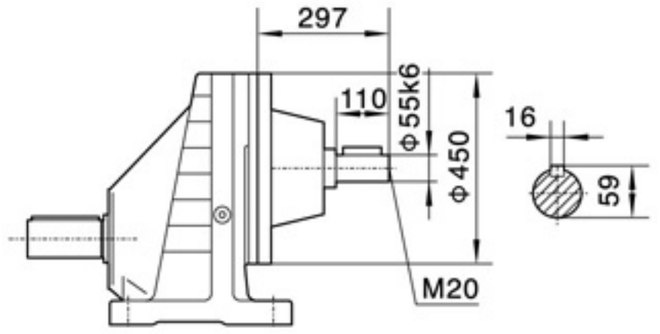
Y2电机机座号 Motor size	132M	160M	160L	180M	180L	200	225S	225M	
功率/4P Power/(kW)	7.5	11	15	18.5	22	30	37	45	
L3	422	504	519	555	588	654	680	702	
G	275	330	330	380	380	420	470	470	
L2	90	118	118	118	118	120	150	150	

注:“RX..”表示RX、RXF
Note:"RX.."mean RX、RXF

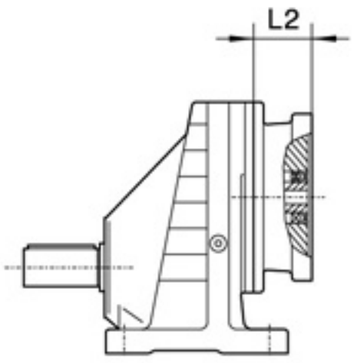
RX127



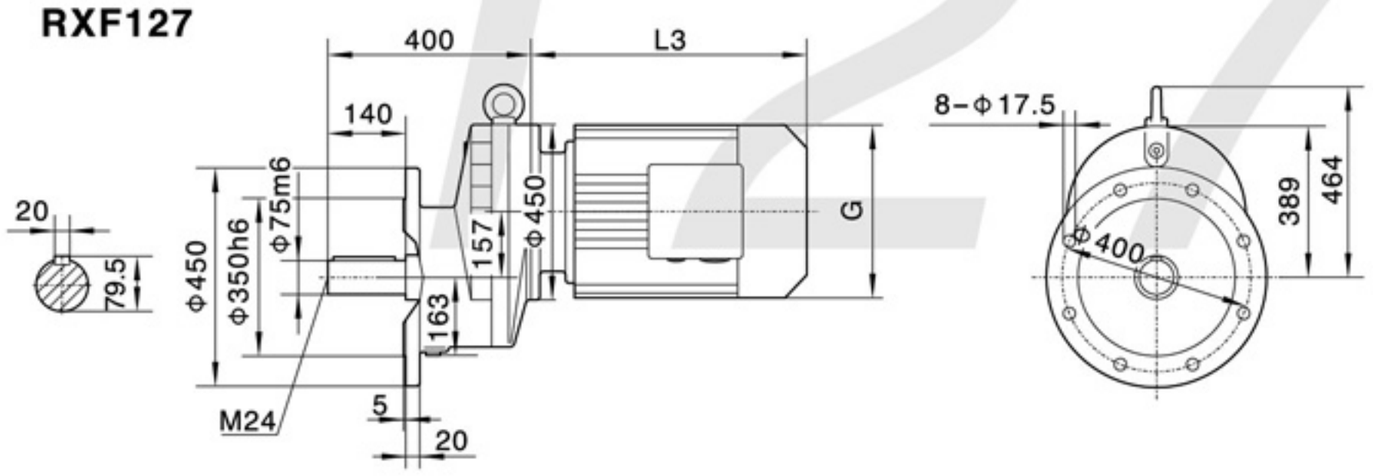
RX..S127



电机需方配时或配特殊电机时需加联接法兰
When equipping the user' s motor or the special one,the flange is required to connected.



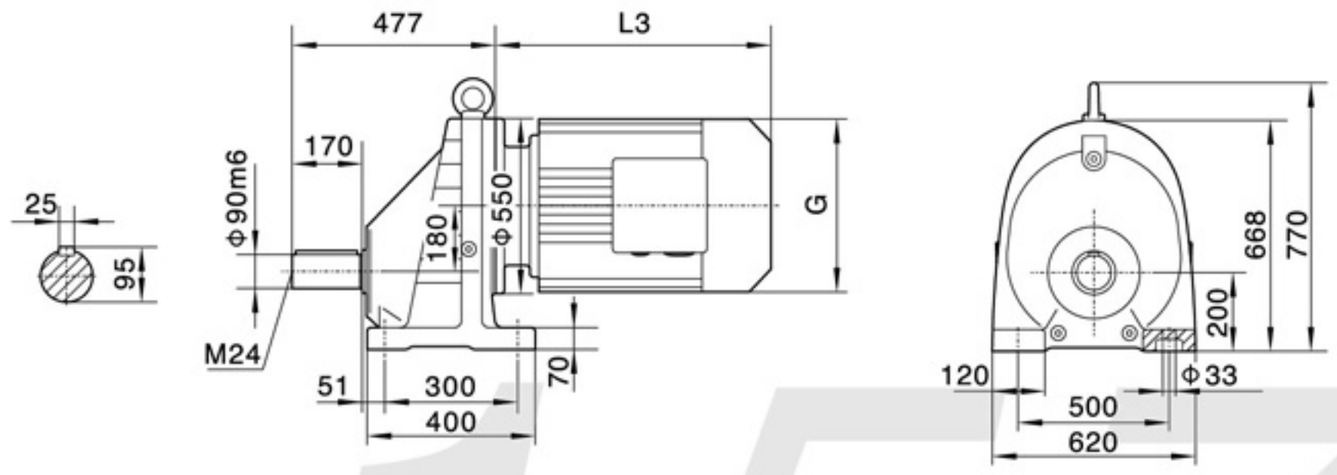
RXF127



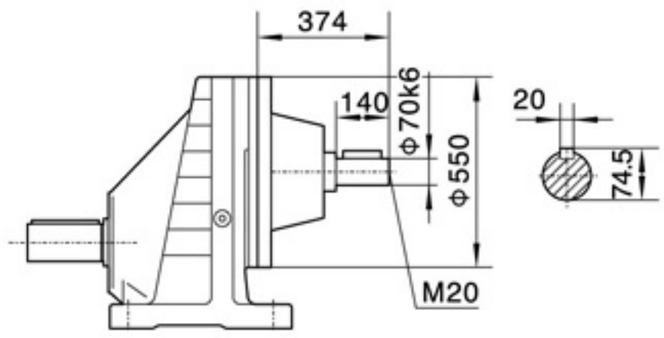
注：其余尺寸见相应的结构形式
Note: For other values please refer to the oppsited structure

Y2电机机座号 Motor size	132M	160M	160L	180M	180L	200	225S	225M	250	280S	280M
功率/4P Power/(kW)	7.5	11	15	18.5	22	30	37	45	55	75	90
L3	424	567	602	583	616	654	674	696	775	845	845
G	275	330	330	380	380	420	470	470	510	580	580
L2	118	118	118	118	118	129	150	150	165	165	165

RX157

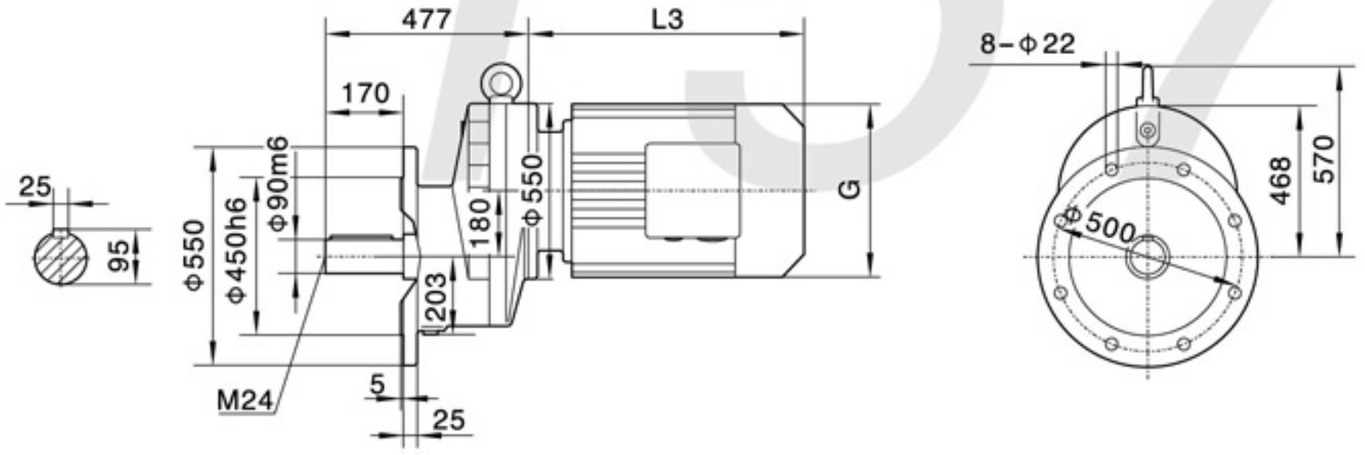


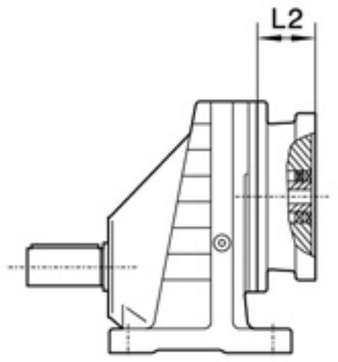
RX..S157



电机需方配时或配特殊电机时需加联接法兰
When equipping the user' s motor or the special one,the flange is required to connected.

RXF157





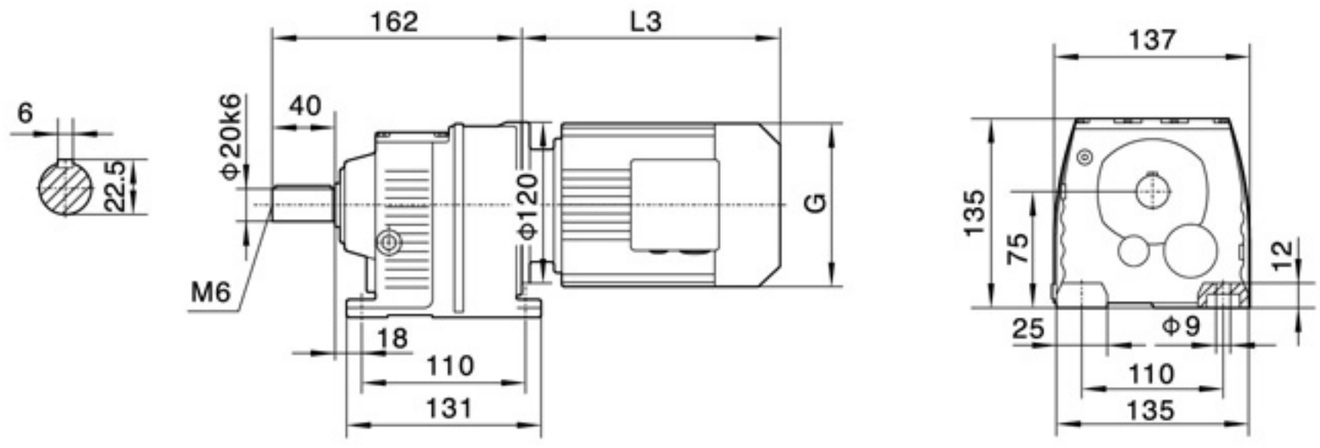
注：其余尺寸见相应的结构形式
Note: For other values please refer to the oppsited structure

Y2电机机座号 Motor size	160M	160L	180M	180L	200	225S	225M	250	280S	280M	315S	315M
功率/4P Power/(kW)	11	15	18.5	22	30	37	45	55	75	90	110	132
L3	567	602	635	666	642	669	691	770	828	879	1100	1130
G	330	330	380	380	420	470	470	510	580	580	645	645
L2	145	145	145	145	150	150	150	165	165	165	230	230

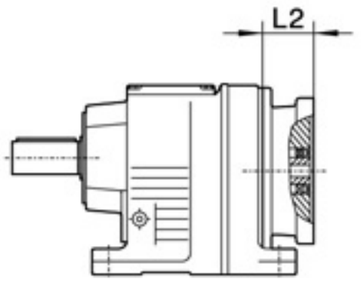
注:“RX..”表示RX、RXF　　Note:"RX.."mean RX、RXF

R

R17



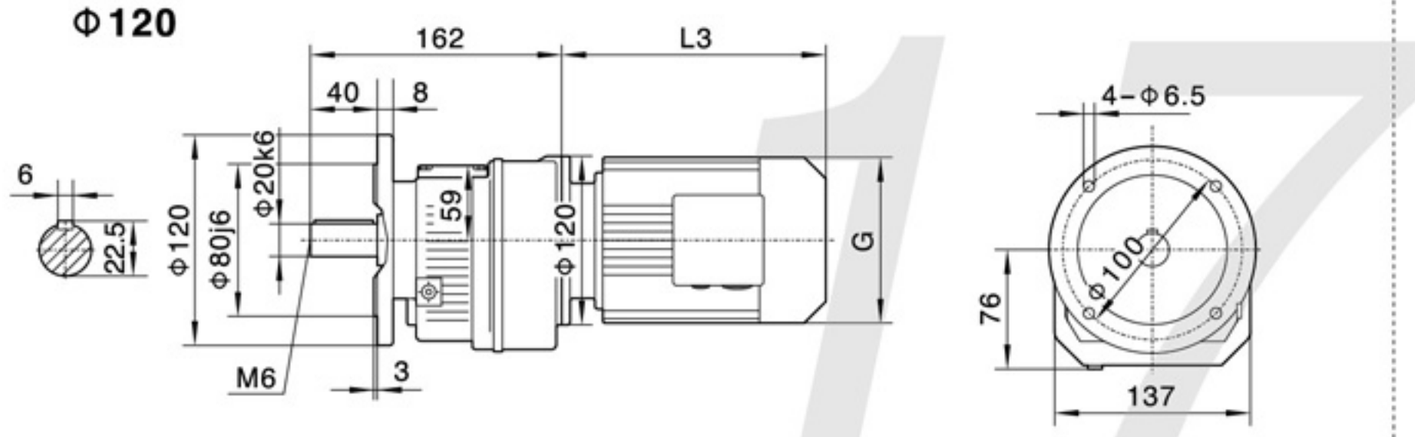
电机需方配时或配特殊电机时需加联接法兰
When equipping the user' s motor or the special one,the flange is required to connected.



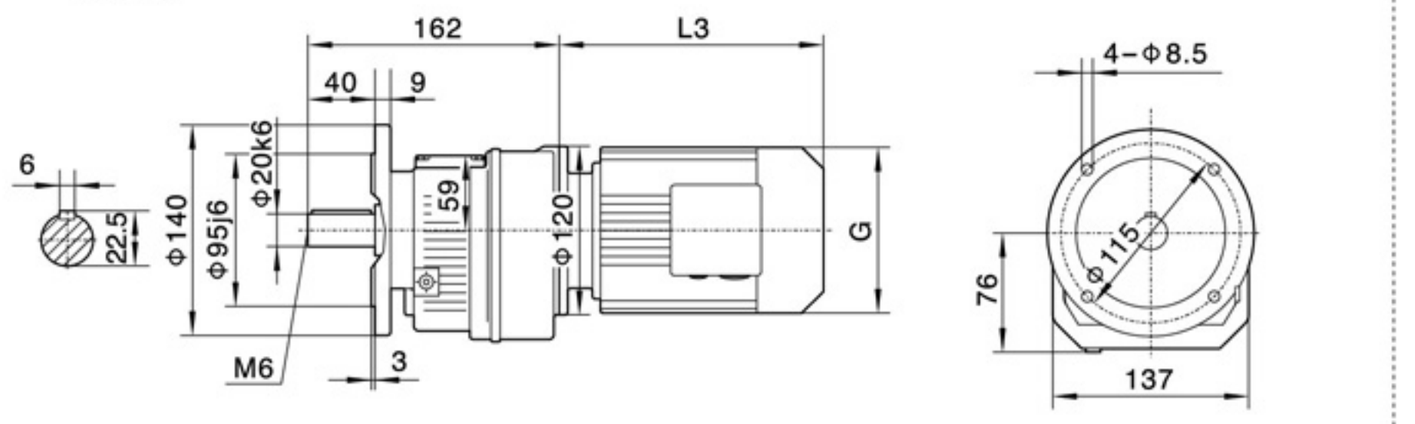
注：其余尺寸见相应的结构形式
Note: For other values please refer to the oppsited structure

RF17

Φ120



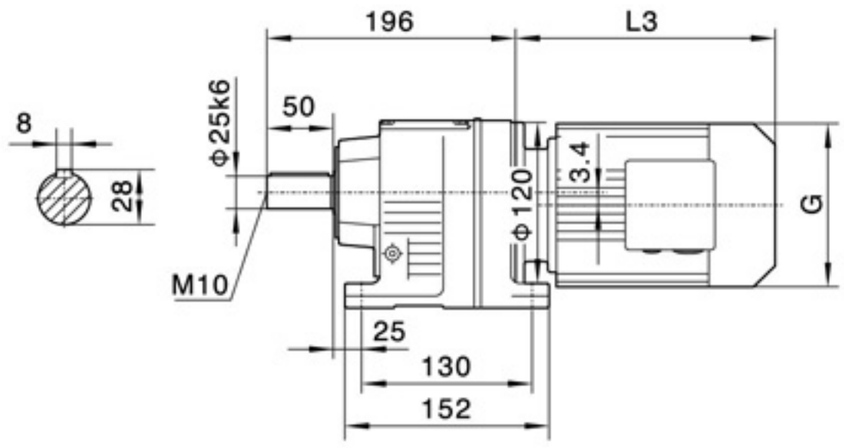
Φ140



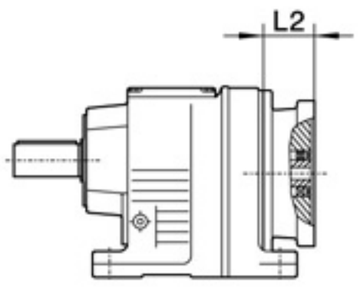
Y2电机机座号 Motor size	63	71		80							
功率/4P Power/(kW)	0.18	0.25	0.37	0.55	0.75						
L3	235	245		278							
G	130	145		175							
L2	70	70		97							

注:“R..”表示R、RF
Note:"R.."mean R、RF

R27

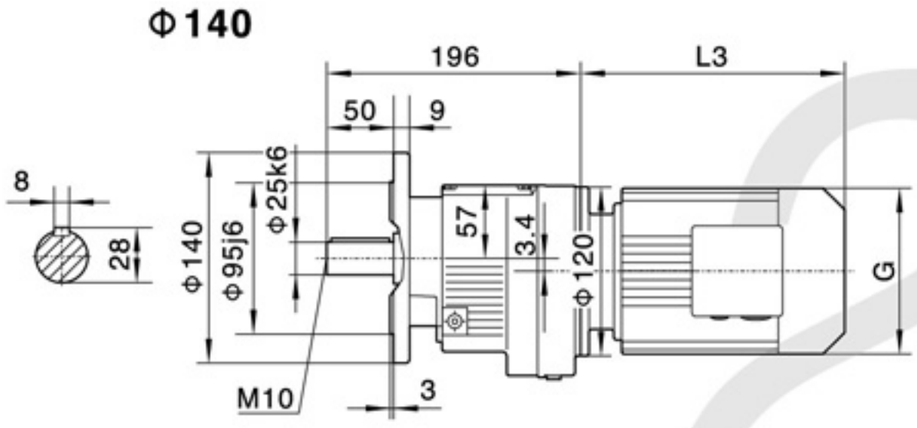


电机需方配时或配特殊电机时需加联接法兰
When equipping the user' s motor or the special one,the flange is required to connected.

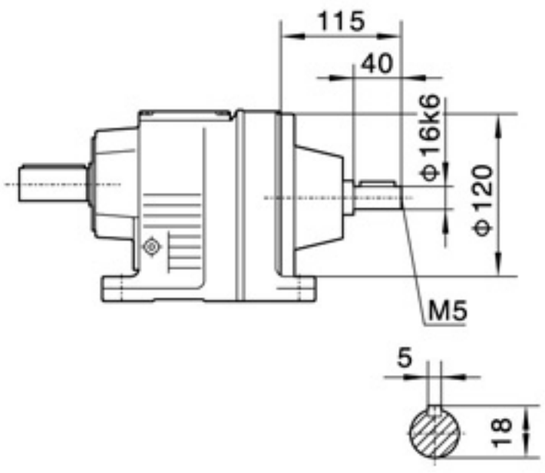


RF27

Φ140

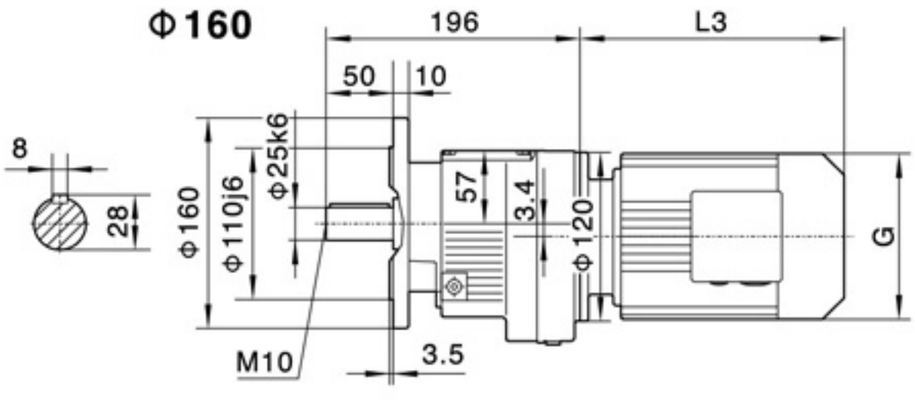


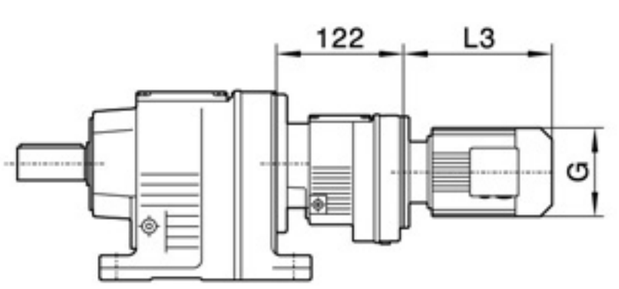
R..S27



R..27R17

Φ160





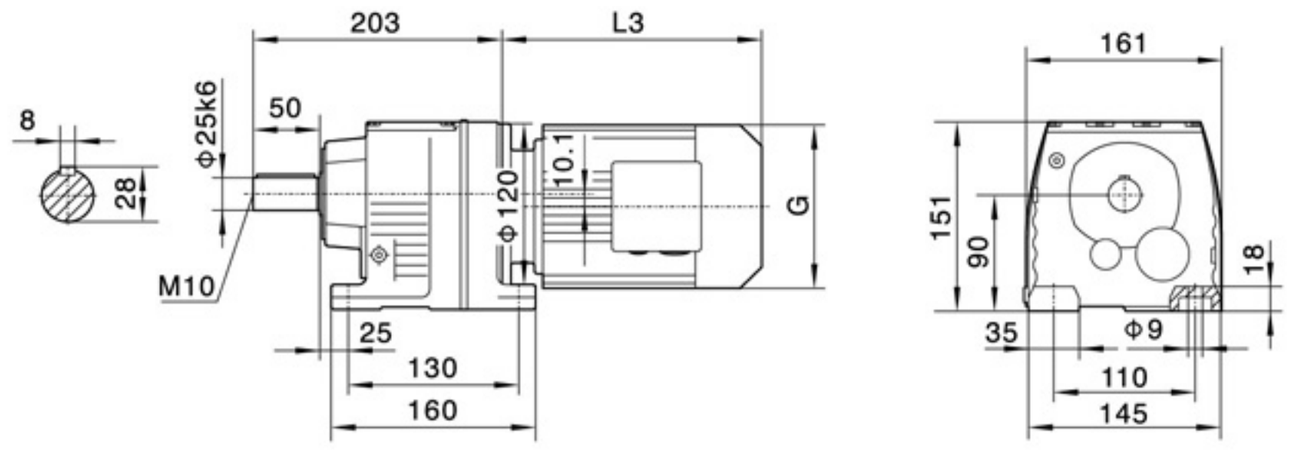
注：其余尺寸见相应的结构形式
Note: For other values please refer to the oppsited structure

Y2电机机座号 Motor size	63	71		80		90S	90L	100		
功率/4P Power/(kW)	0.18	0.25	0.37	0.55	0.75	1.1	1.5	2.2	3.0	
L3	235	245		278		304	328	340		
G	130	145		175		195	195	215		
L2	70	70		97		97	97	109		

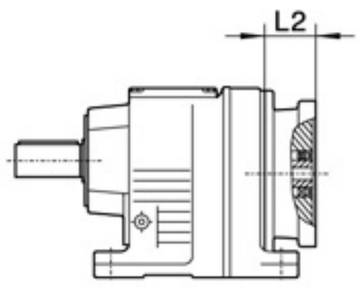
注:“R..”表示R、RF　　Note:"R.."mean R、RF

R

R37



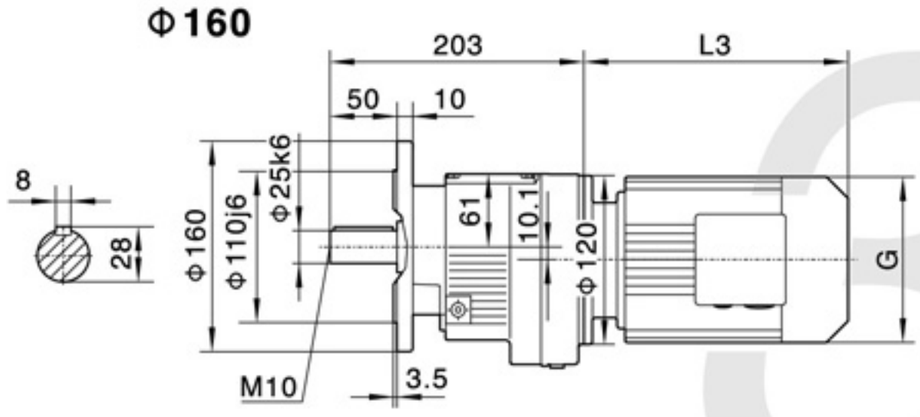
电机需方配时或配特殊电机时需加联接法兰
When equipping the user' s motor or the special one,the flange is required to connected.

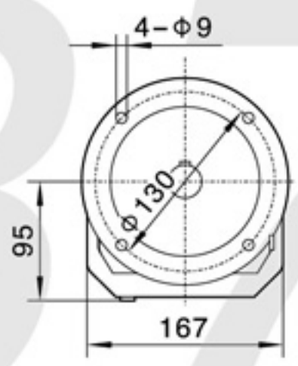


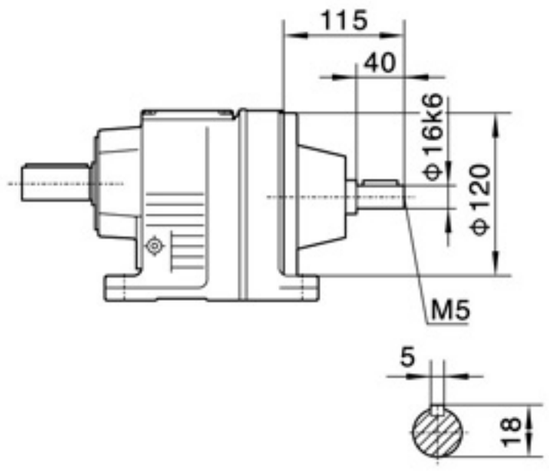
R..S37

RF37

Φ160

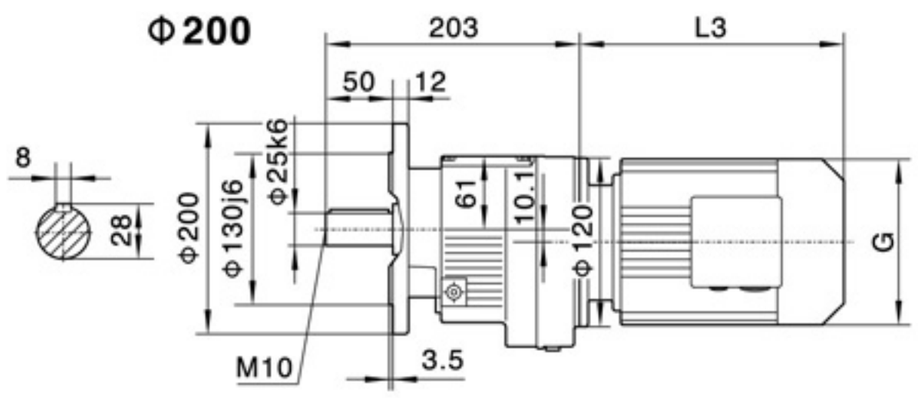


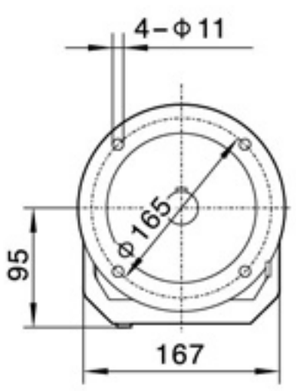


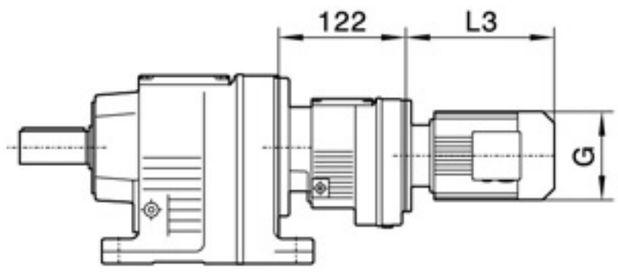


R..37R17

Φ200







注：其余尺寸见相应的结构形式
Note: For other values please refer to the oppsited structure

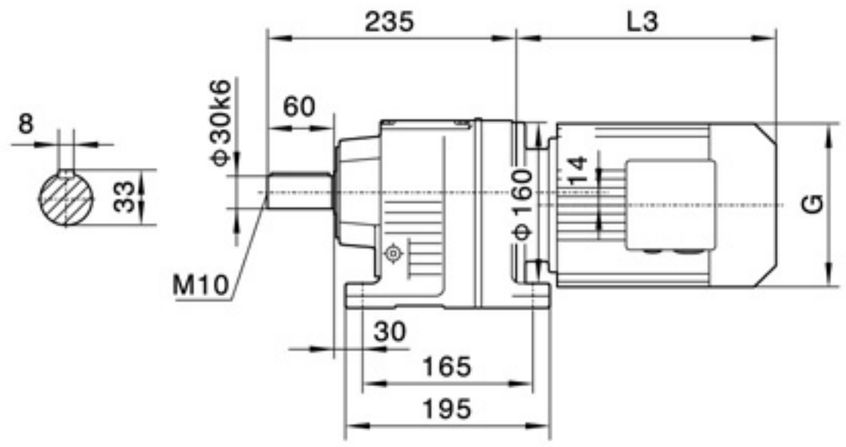
Y2电机机座号 Motor size	63	71		80		90S	90L	100L	
功率/4P Power/(kW)	0.18	0.25	0.37	0.55	0.75	1.1	1.5	2.2	3.0
L3	235	245		278		304	328	340	
G	130	145		175		195	195	215	
L2	70	70		97		97	97	109	

注:“R..”表示R、RF　　Note:"R.."mean R、RF

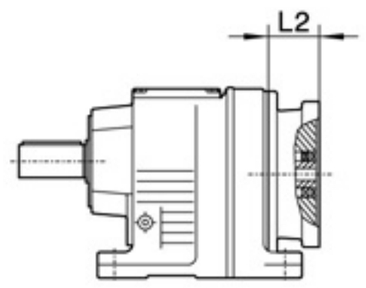


R

R47

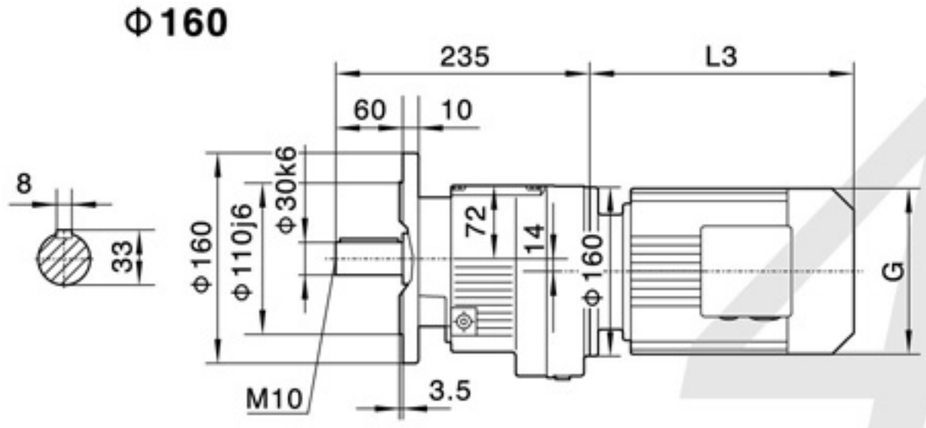


电机需方配时或配特殊电机时需加联接法兰
When equipping the user' s motor or the special one,the flange is required to connected.

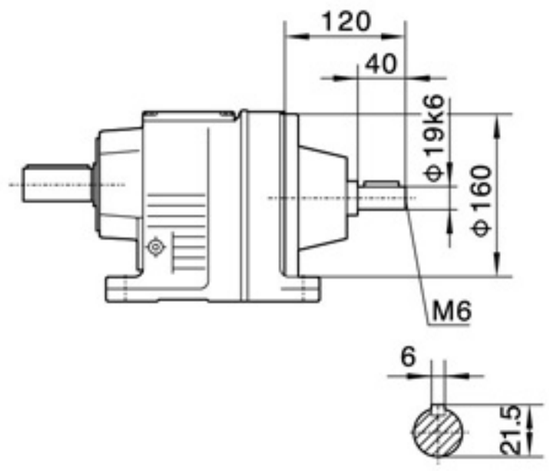


RF47

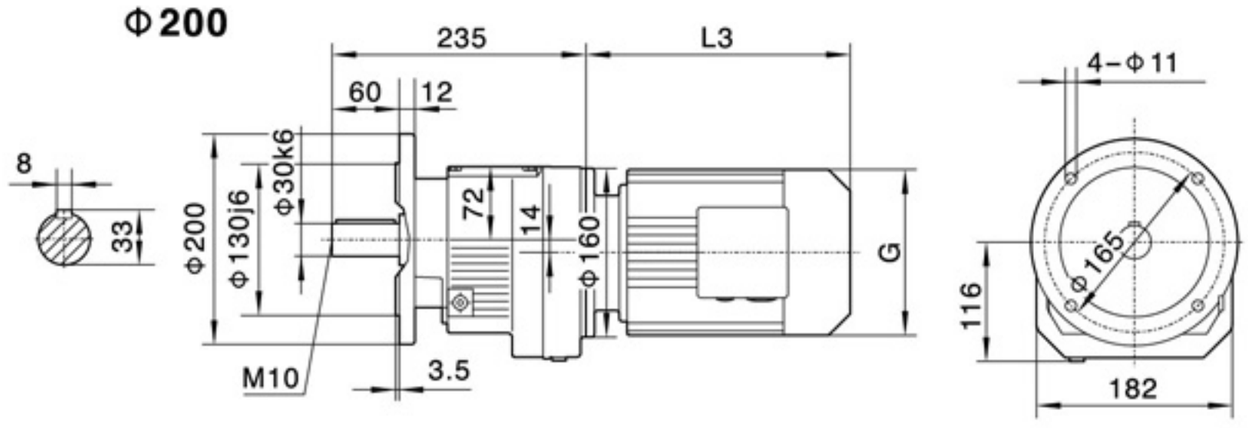
Φ160



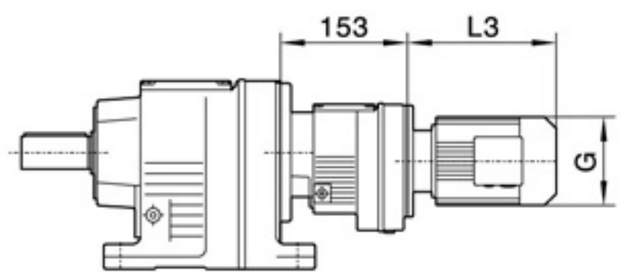
R..S47



Φ200



R..47R37



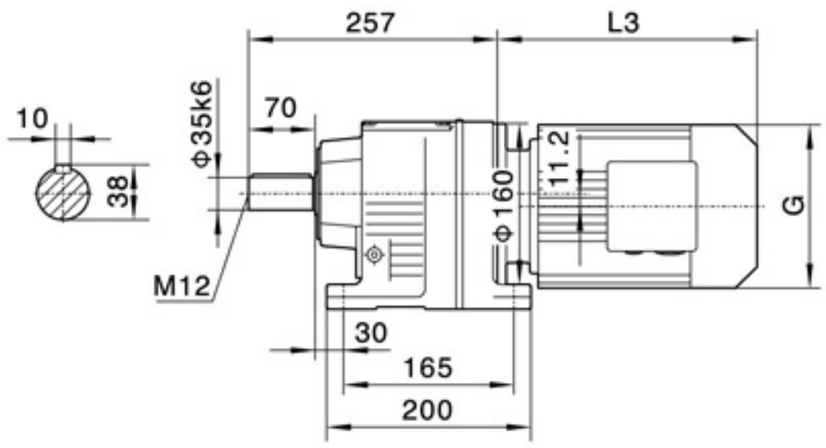
注： 其余尺寸见相应的结构形式
Note: For other values please refer to the oppsited structure

Y2电机机座号 Motor size	63	71		80		90S	90L	100		112M	132S	
功率/4P Power/(kW)	0.18	0.25	0.37	0.55	0.75	1.1	1.5	2.2	3.0	4.0	5.5	
L3	223	245		278		304	328	350		380	425	
G	130	145		175		195	195	215		240	275	
L2	70	70		91		91	91	103		103	90	

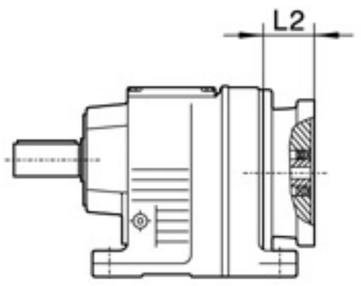
注:“R..”表示R、RF　　Note:"R.."mean R、RF

R

R57

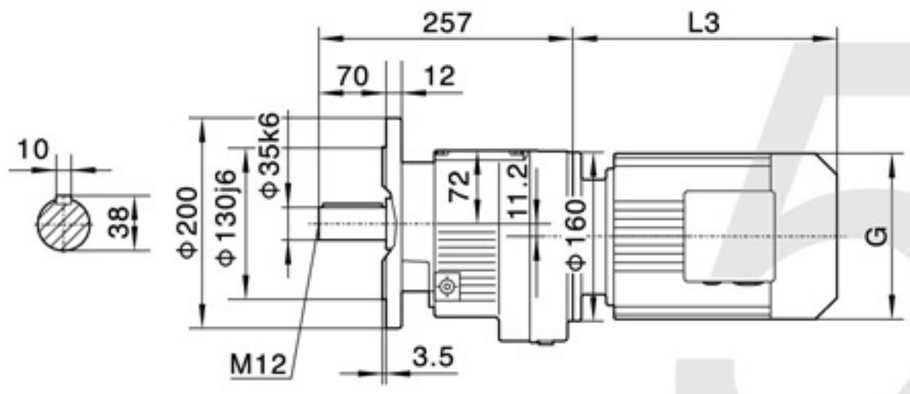


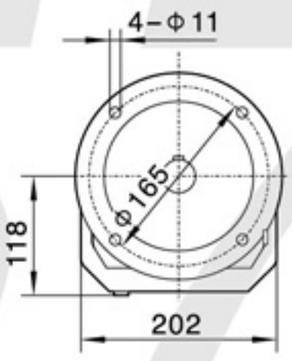
电机需方配时或配特殊电机时需加联接法兰
When equipping the user' s motor or the special one,the flange is required to connected.



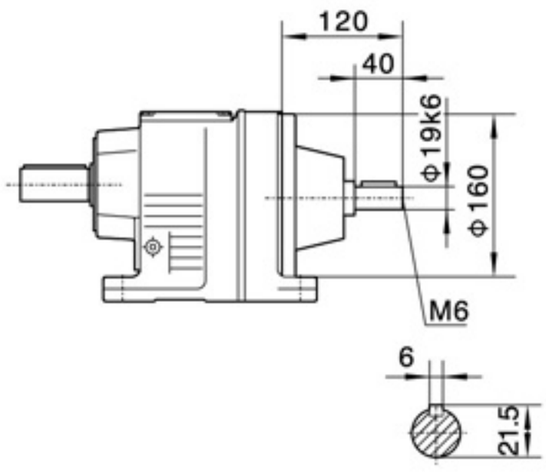
RF57

Φ200



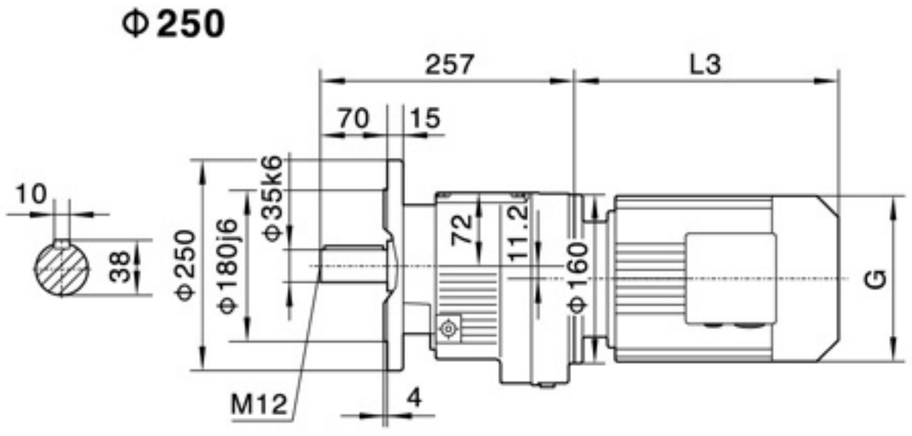


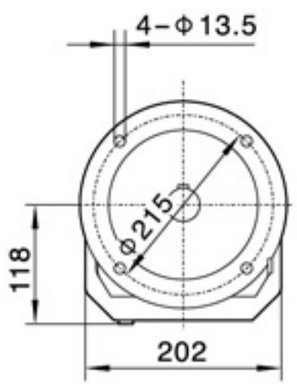
R..S57

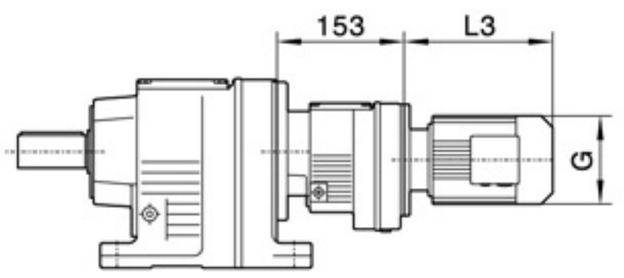


R..57R37

Φ250







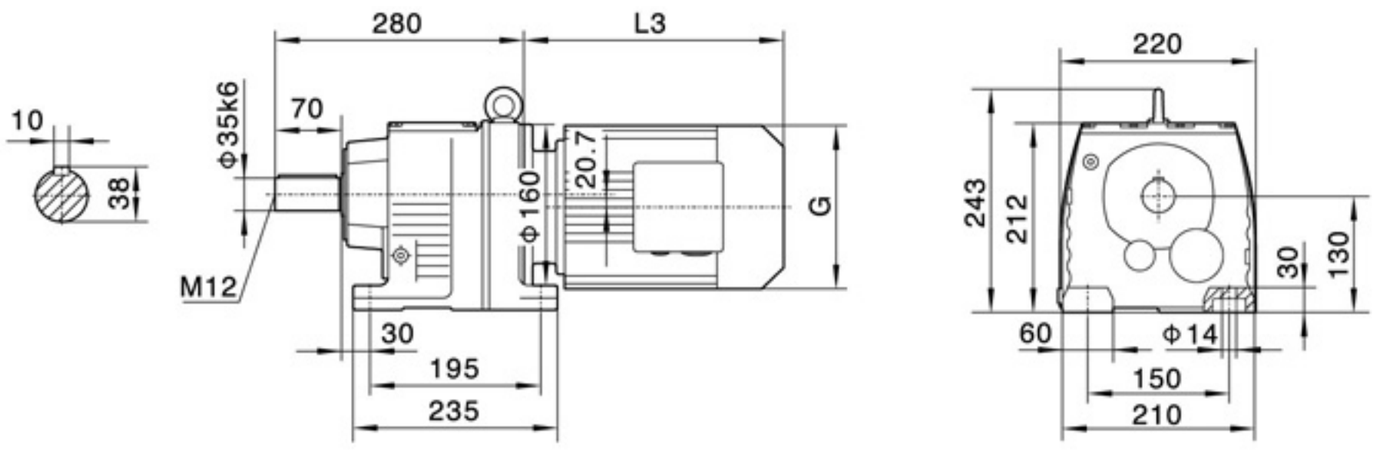
注：其余尺寸见相应的结构形式
Note: For other values please refer to the oppsited structure

Y2电机机座号 Motor size	63	71		80		90S	90L	100L		112M	132S	132M	
功率/4P Power/(kW)	0.18	0.25	0.37	0.55	0.75	1.1	1.5	2.2	3.0	4.0	5.5	7.5	
L3	223	245		278		304	328	350		380	425	461	
G	130	145		175		195	195	215		240	275	275	
L2	70	70		91		91	91	103		103	90	90	

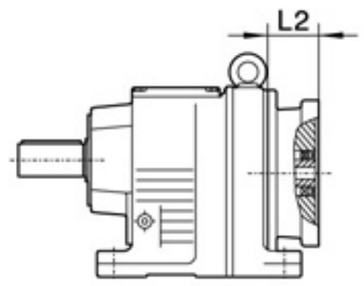
注:“R..”表示R、RF　　Note:"R.."mean R、RF



R67

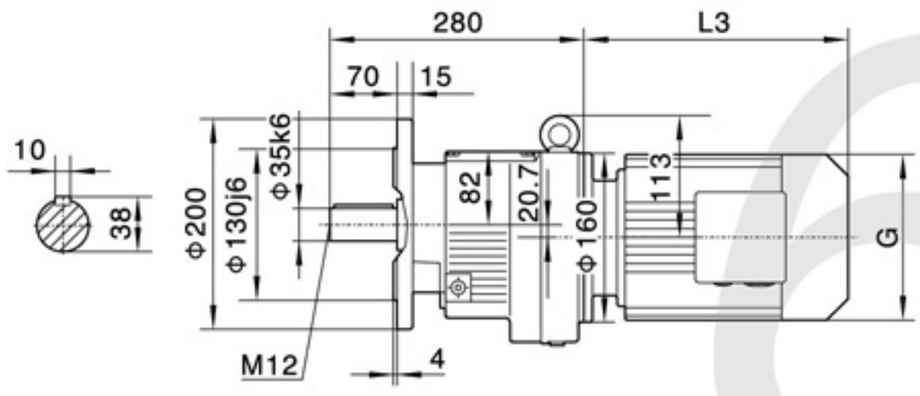


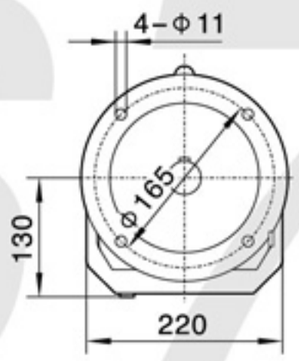
电机需方配时或配特殊电机时需加联接法兰
When equipping the user' s motor or the special one,the flange is required to connected.



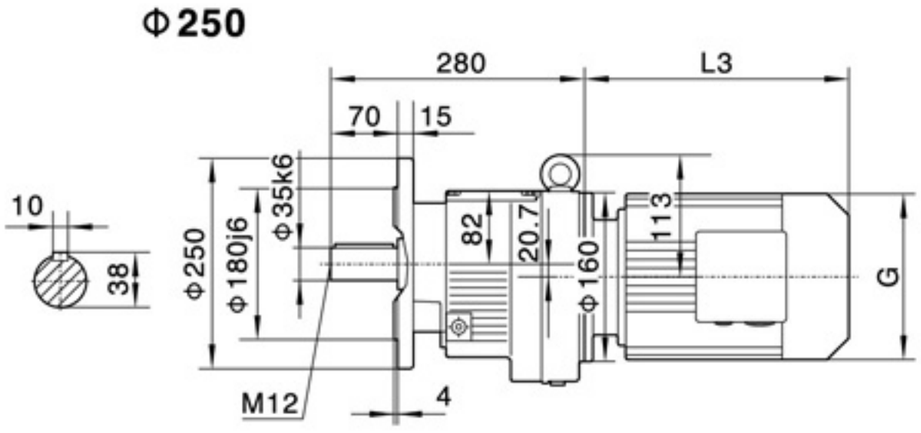
RF67

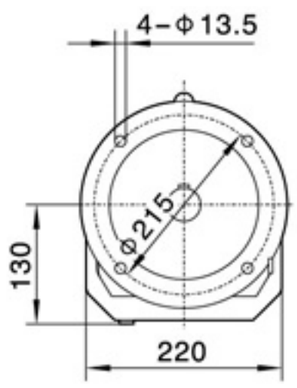
Φ200



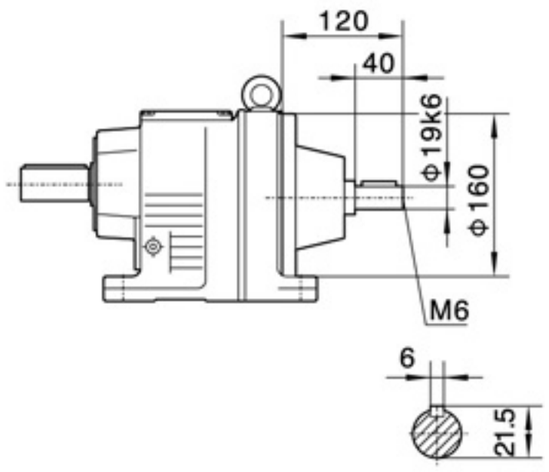


Φ250

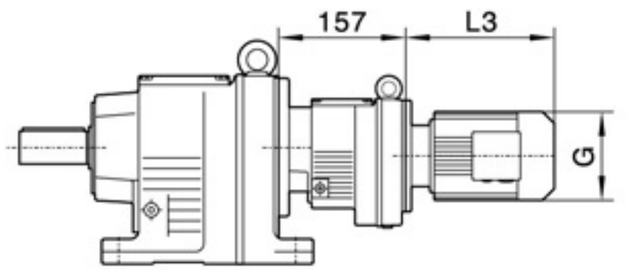




R..S67



R..67R37



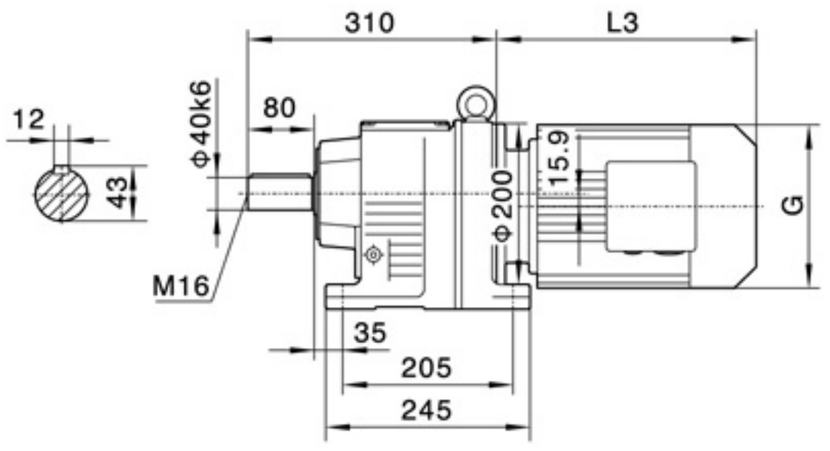
注：其余尺寸见相应的结构形式
Note: For other values please refer to the oppsited structure

Y2电机机座号 Motor size	63	71		80		90S	90L	100L		112M	132S	132M	
功率/4P Power/(kW)	0.18	0.25	0.37	0.55	0.75	1.1	1.5	2.2	3.0	4.0	5.5	7.5	
L3	223	245		278		304	328	350		380	425	461	
G	130	145		175		195	195	215		240	275	275	
L2	70	70		91		91	91	103		103	90	90	

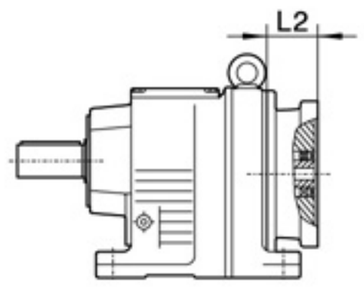
注:“R..”表示R、RF　　Note:"R.."mean R、RF

R

R77

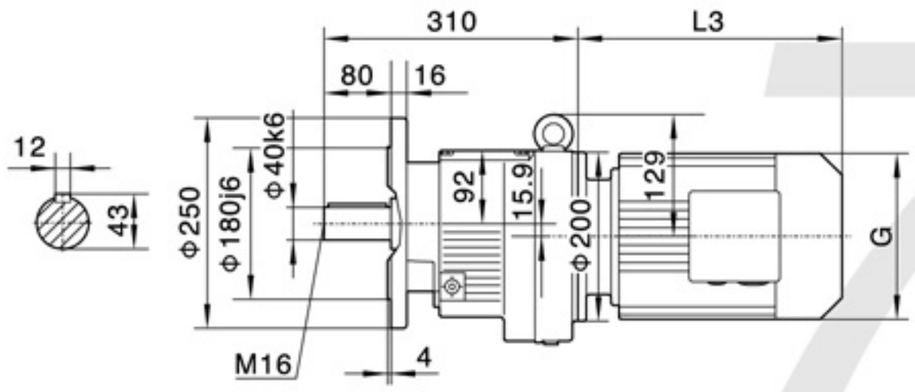


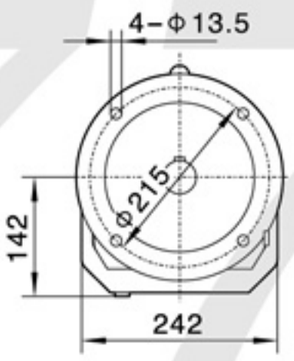
电机需方配时或配特殊电机时需加联接法兰
When equipping the user' s motor or the special one,the flange is required to connected.



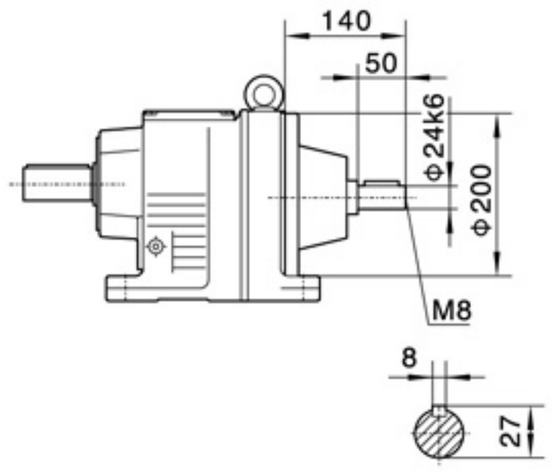
RF77

Φ250



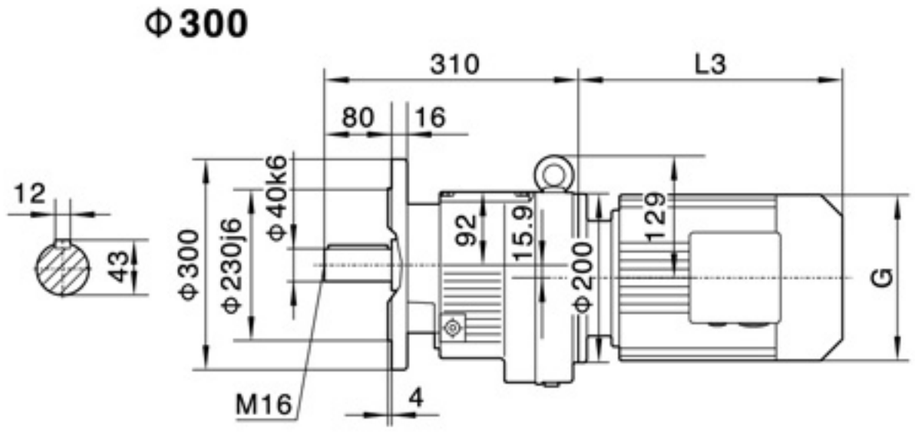


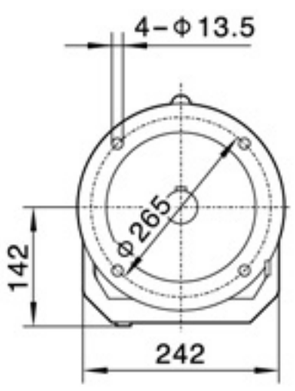
R..S77

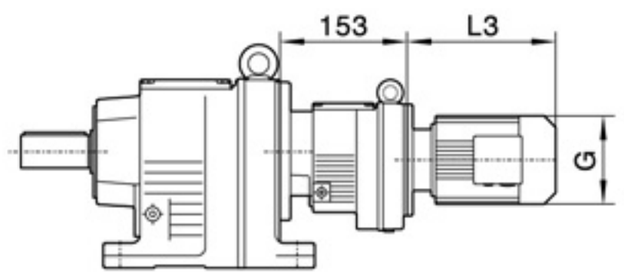


R..77R37

Φ300





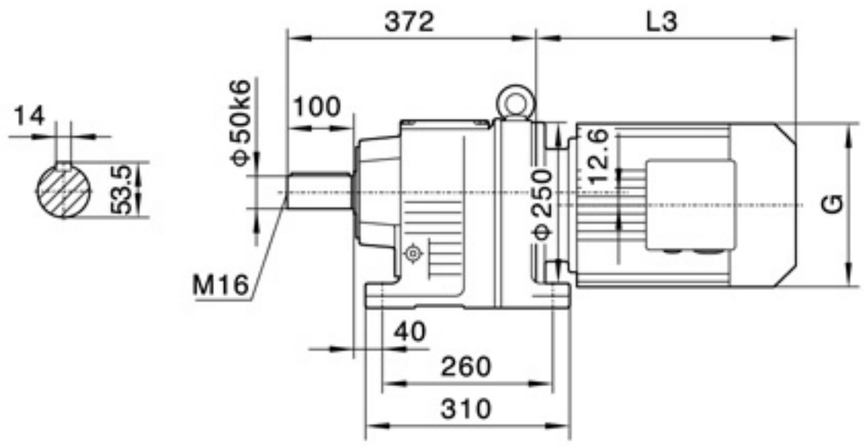


注：其余尺寸见相应的结构形式
Note: For other values please refer to the oppsited structure

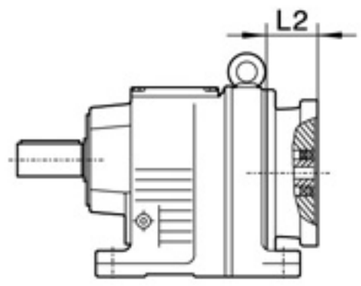
Y2电机机座号 Motor size	63	71		80		90S	90L	100L		112M	132S	132M	160M
功率/4P Power/(kW)	0.18	0.25	0.37	0.55	0.75	1.1	1.5	2.2	3.0	4.0	5.5	7.5	11
L3	223	233		278		304	328	350		380	425	461	524
G	130	145		175		195	195	215		240	275	275	330
L2	65	65		81		81	81	93		93	108	108	131

注:“R..”表示R、RF　　Note:"R.."mean R、RF

R87

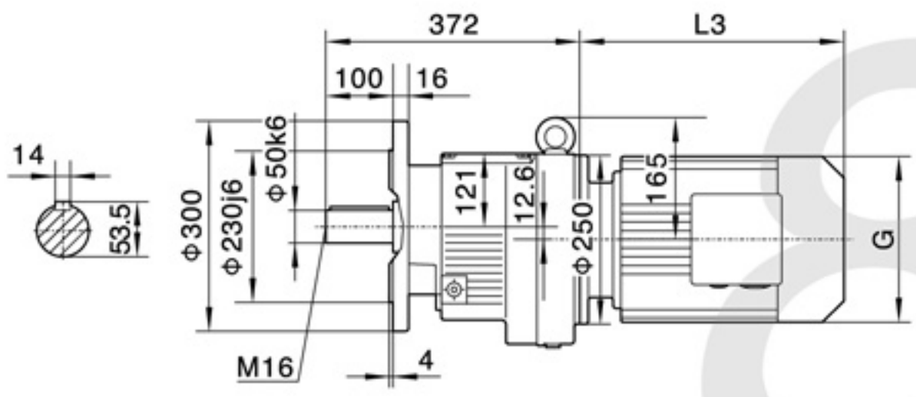


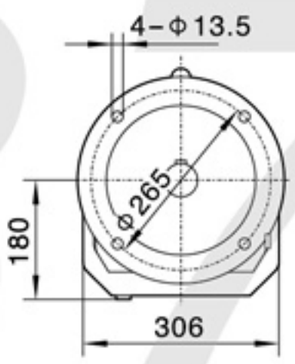
电机需方配时或配特殊电机时需加联接法兰
When equipping the user' s motor or the special one,the flange is required to connected.



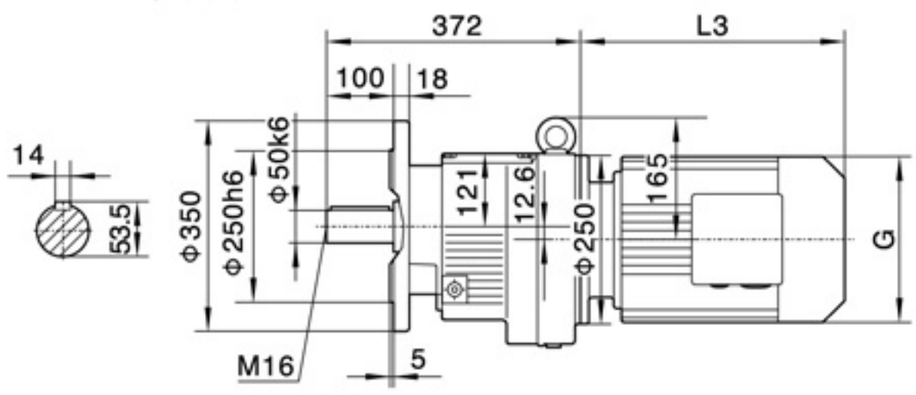
RF87

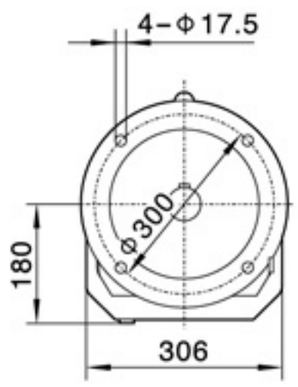
Φ300



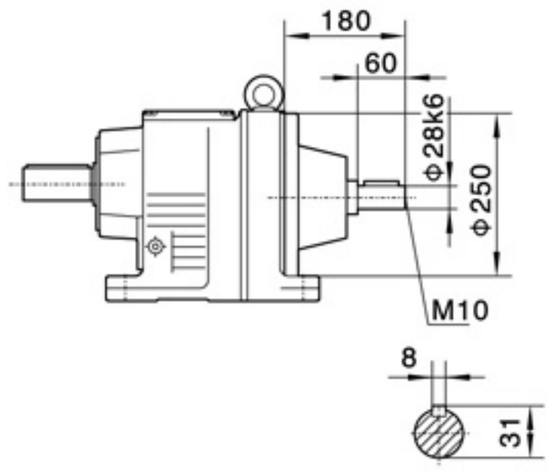


Φ350

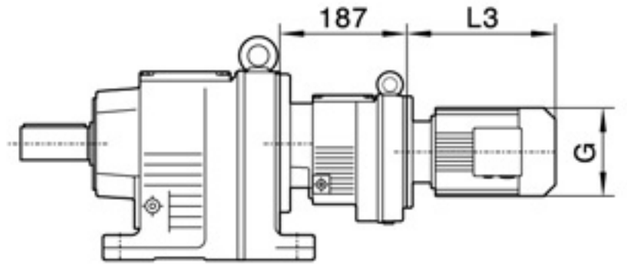




R..S87



R..87R57



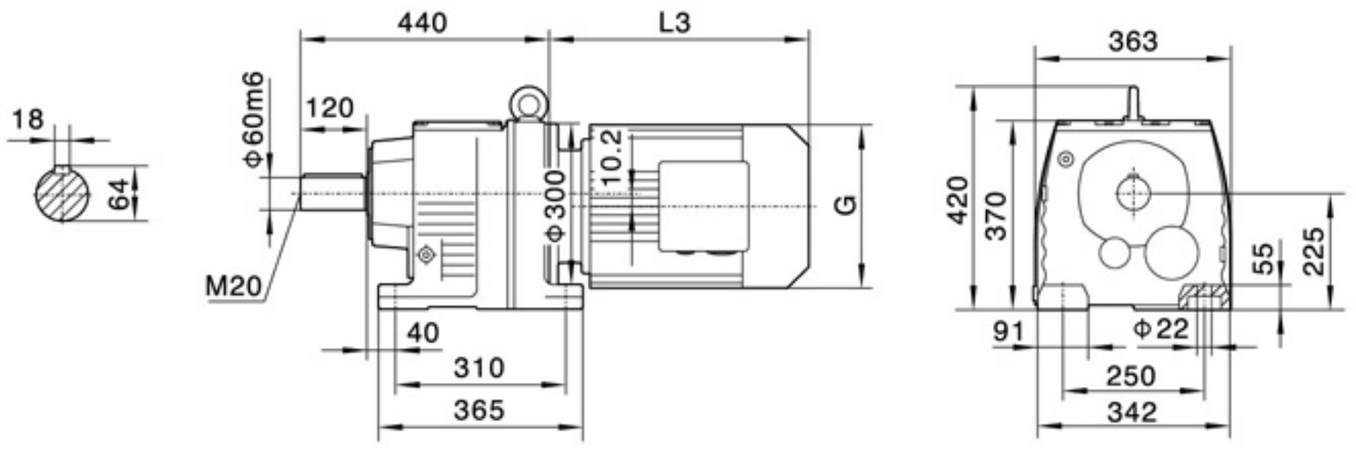
注： 其余尺寸见相应的结构形式
Note: For other values please refer to the oppsited structure

Y2电机机座号 Motor size	80		90S	90L	100		112M	132S	132M	160M	160L	180M	180L
功率/4P Power/(kW)	0.55	0.75	1.1	1.5	2.2	3.0	4.0	5.5	7.5	11	15	18.5	22
L3	246		280	304	350		380	425	461	524	547	583	616
G	175		195	195	215		240	275	275	330	330	380	380
L2	76		76	76	88		88	101	101	126	126	126	126

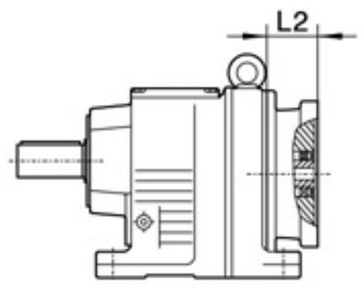
注:“R..”表示R、RF　　Note:"R.."mean R、RF

R

R97

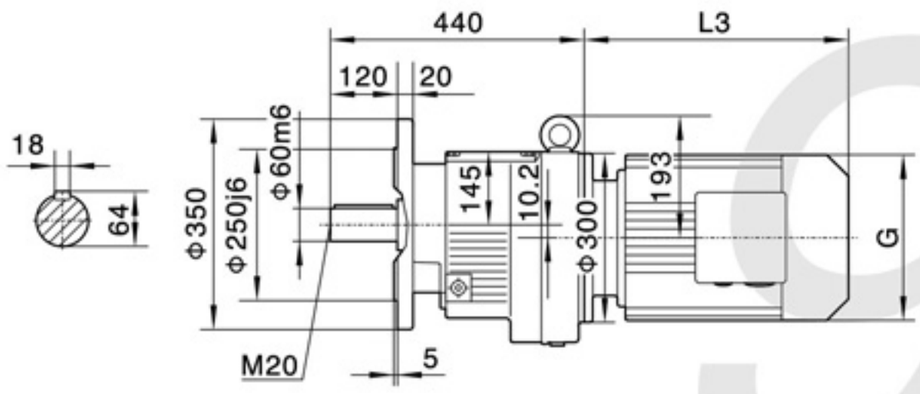


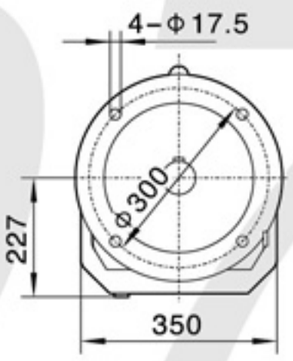
电机需方配时或配特殊电机时需加联接法兰
When equipping the user' s motor or the special one,the flange is required to connected.



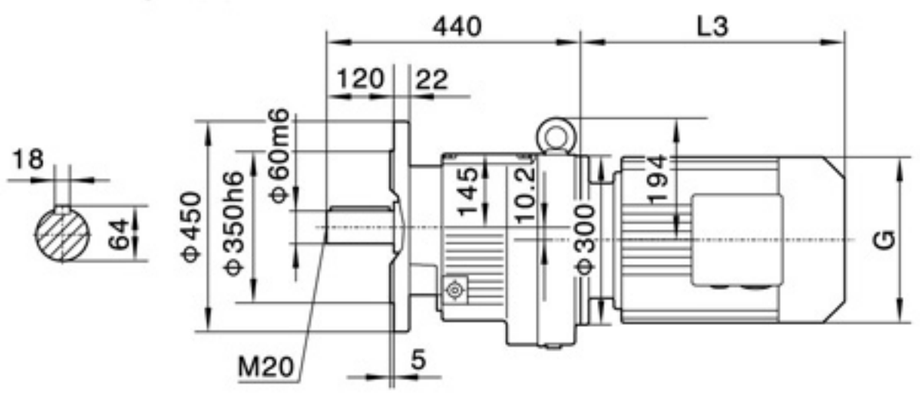
RF97

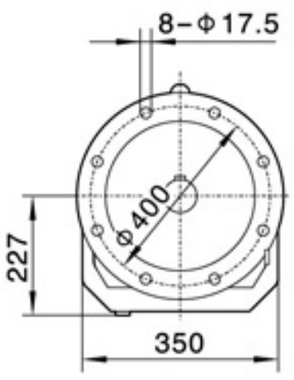
Φ350



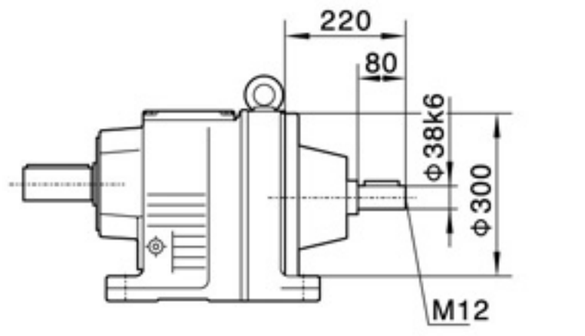


Φ450

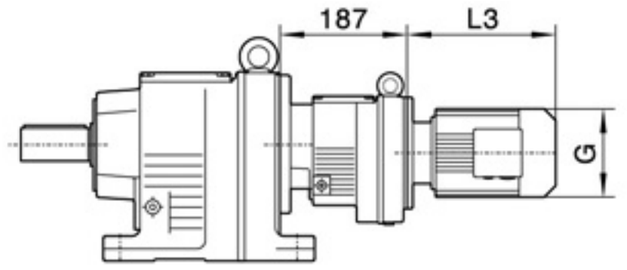




R..S97



R..97R57

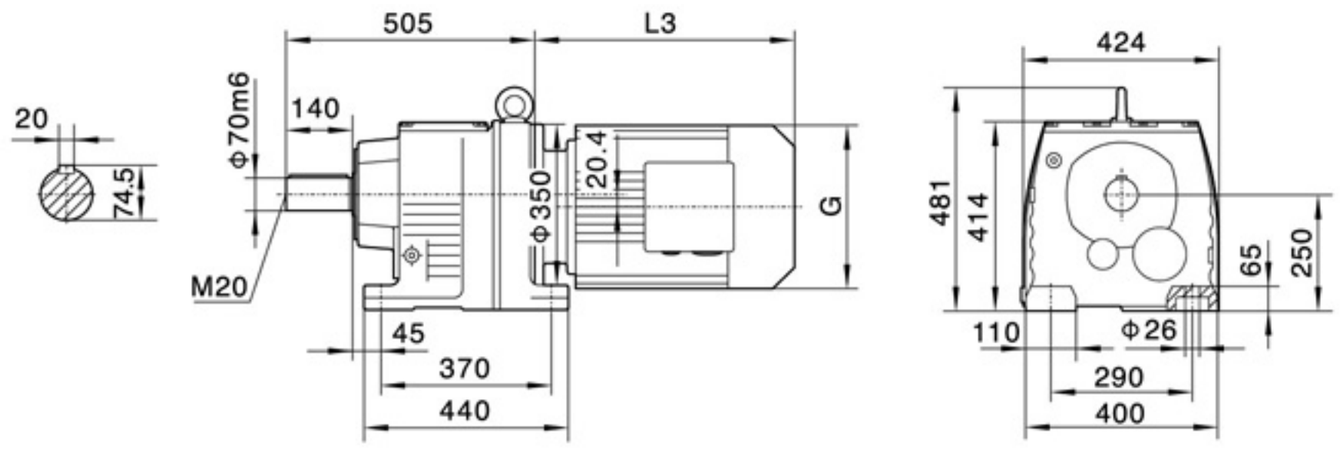


注：其余尺寸见相应的结构形式
Note: For other values please refer to the oppsited structure

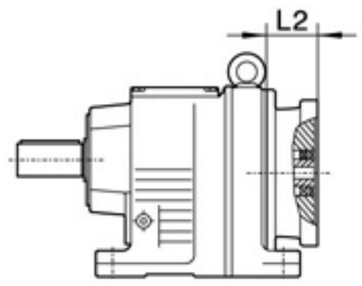
Y2电机机座号 Motor size	80		90S	90L	100		112M	132S	132M	160M	160L	180M	180L	200	
功率/4P Power/(kW)	0.55	0.75	1.1	1.5	2.2	3.0	4.0	5.5	7.5	11	15	18.5	22	30	
L3	246		280	304	315		334	425	461	524	547	555	588	654	
G	175		195	195	215		240	275	275	330	330	380	380	420	
L2	86		86	86	75		75	95	95	118	118	118	118	120	

注:“R..”表示R、RF　　Note:"R.."mean R、RF

R107

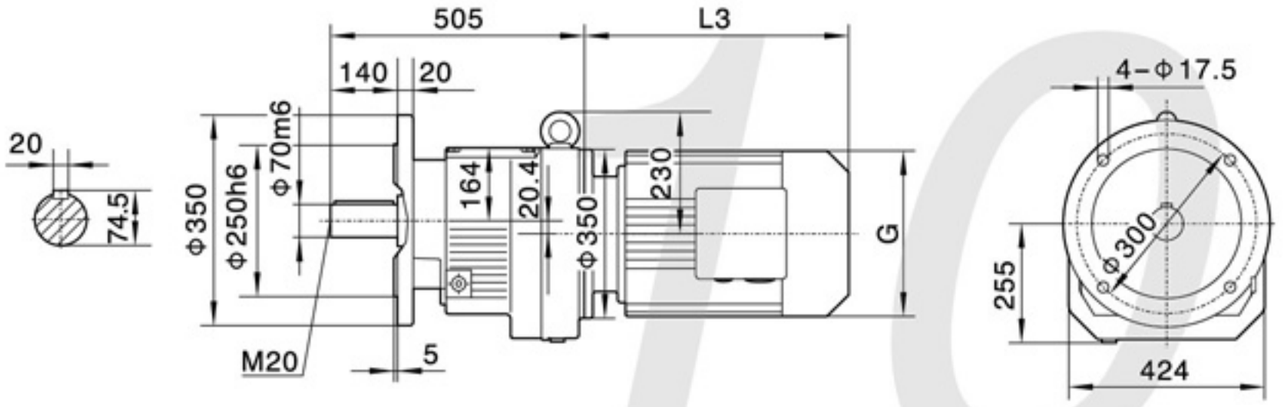


电机需方配时或配特殊电机时需加联接法兰
When equipping the user' s motor or the special one,the flange is required to connected.

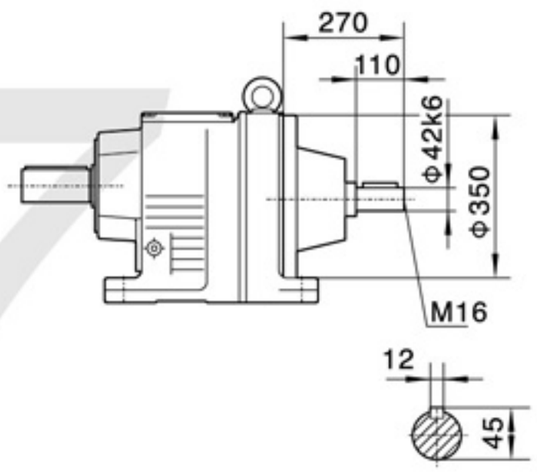


RF107

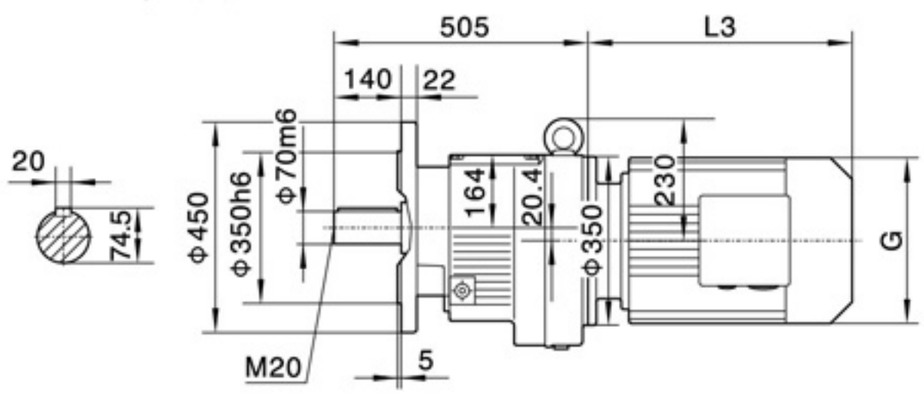
Φ350



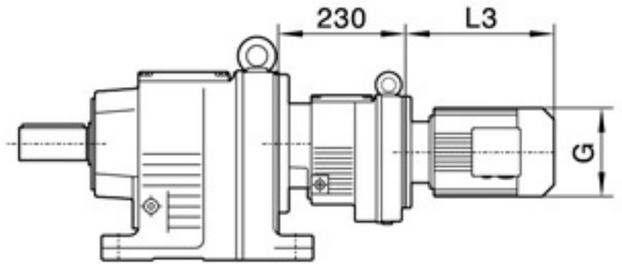
R..S107



Φ450



R..107R77



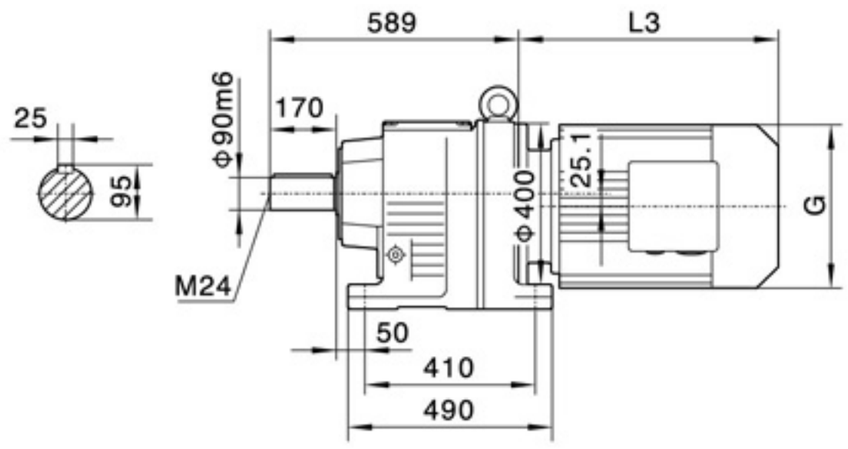
注： 其余尺寸见相应的结构形式
Note: For other values please refer to the oppsited structure

Y2电机机座号 Motor size	100		112M	132S	132M	160M	160L	180M	180L	200	225S	225M	
功率/4P Power/(kW)	2.2	3.0	4.0	5.5	7.5	11	15	18.5	22	30	37	45	
L3	318		334	386	422	504	519	555	588	654	680	702	
G	215		240	275	275	330	330	380	380	420	470	470	
L2	90		90	90	90	118	118	118	118	120	150	150	

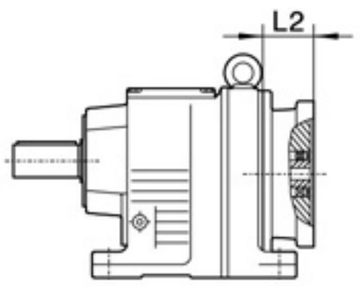
注:“R..”表示R、RF　　Note:"R.."mean R、RF

R

R137

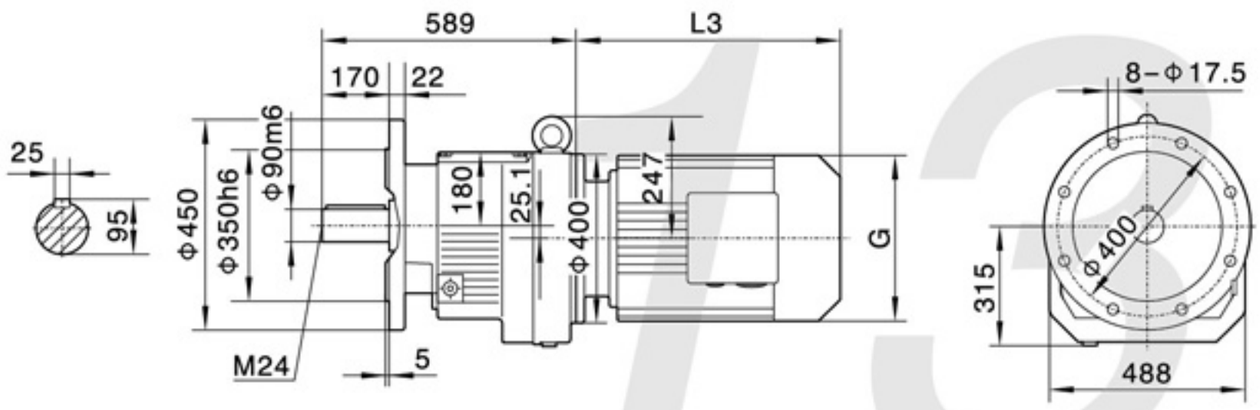


电机需方配时或配特殊电机时需加联接法兰
When equipping the user' s motor or the special one,the flange is required to connected.

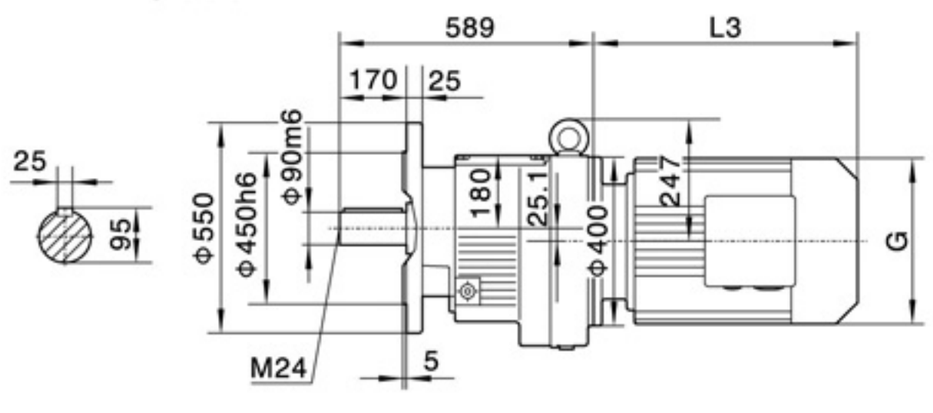


RF137

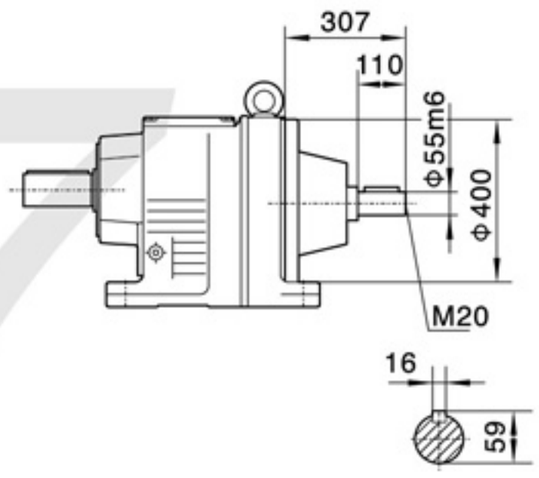
Φ450



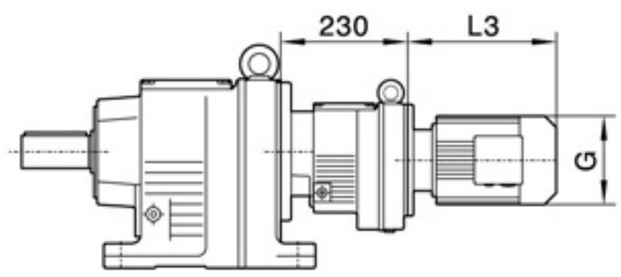
Φ550



R..S137



R..137R77

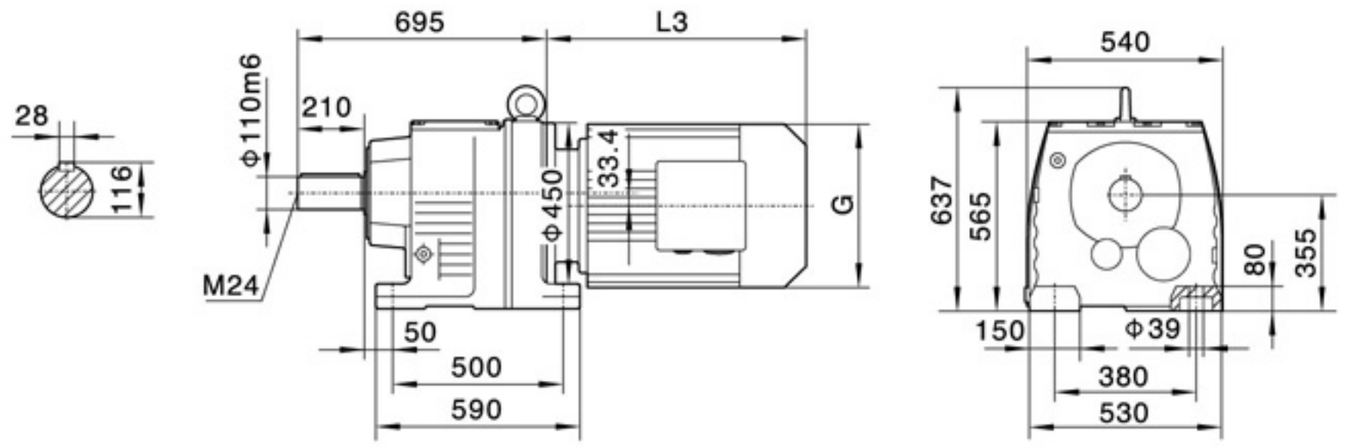


注：其余尺寸见相应的结构形式
Note: For other values please refer to the oppsited structure

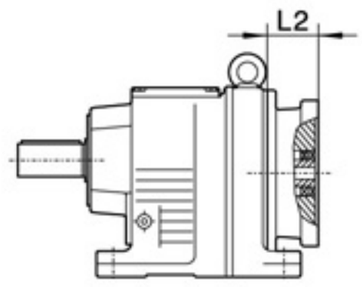
Y2电机机座号 Motor size	132S	132M	160M	160L	180M	180L	200	225S	225M	250	
功率/4P Power/(kW)	5.5	7.5	11	15	18.5	22	30	37	45	55	
L3	388	424	476	519	555	588	654	680	702	771	
G	275	275	330	330	380	380	420	470	470	510	
L2	118	118	118	118	118	118	129	150	150	165	

注:“R..”表示R、RF　　Note:"R.."mean R、RF

R147

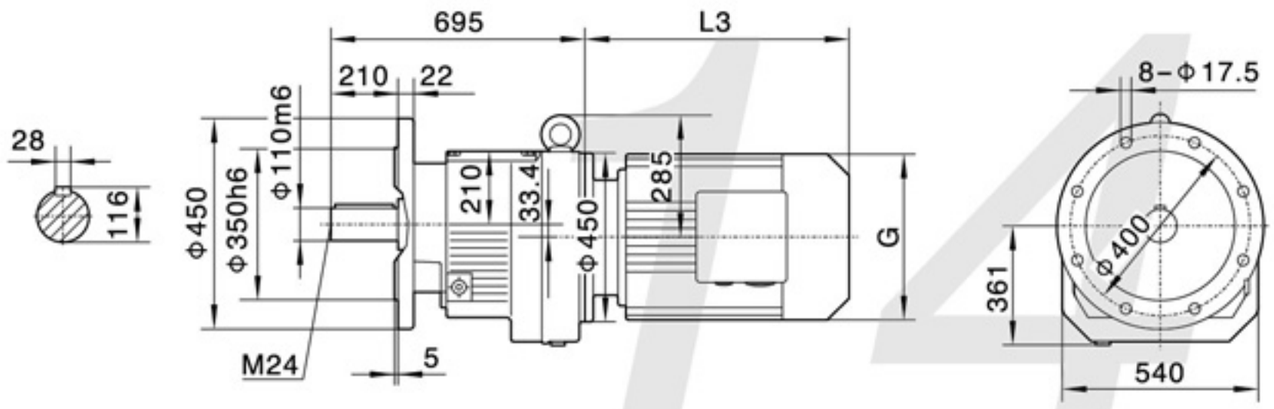


电机需方配时或配特殊电机时需加联接法兰
When equipping the user' s motor or the special one,the flange is required to connected.

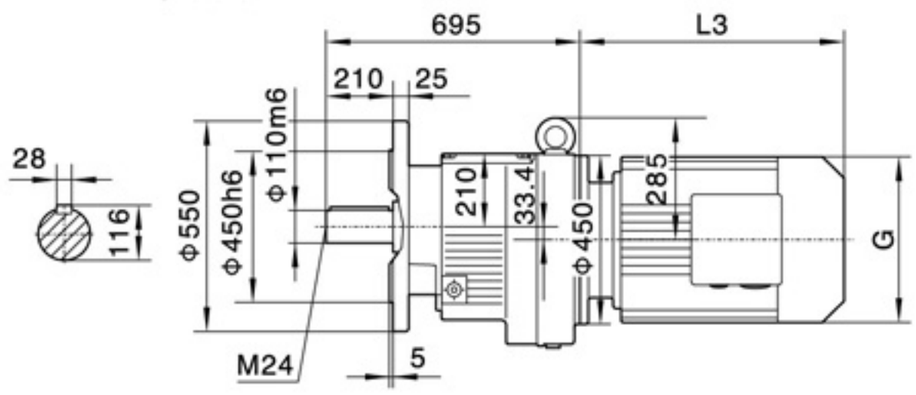


RF147

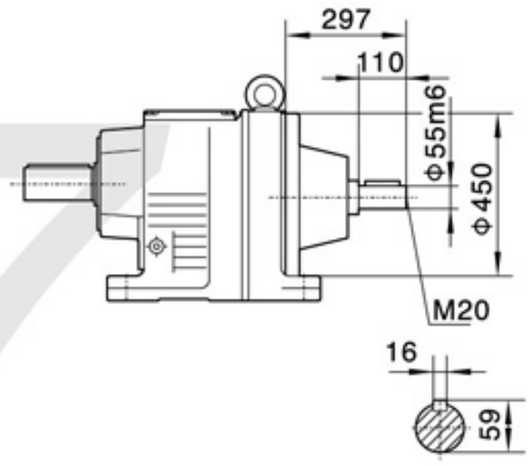
Φ450



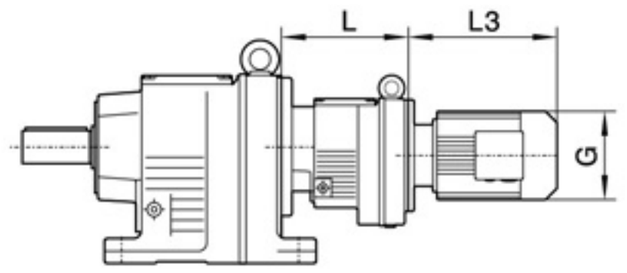
Φ550



R..S147



R..147R87(R77)



	R..147R77组合	R..147R87组合
L	230	275

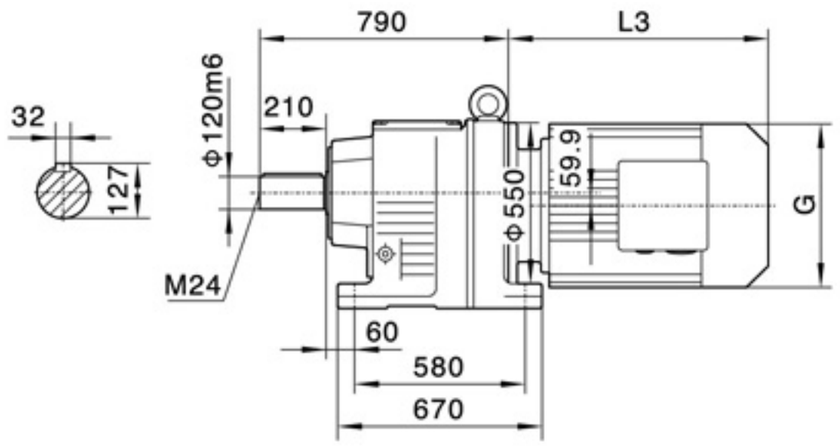
注：其余尺寸见相应的结构形式
Note: For other values please refer to the oppsited structure

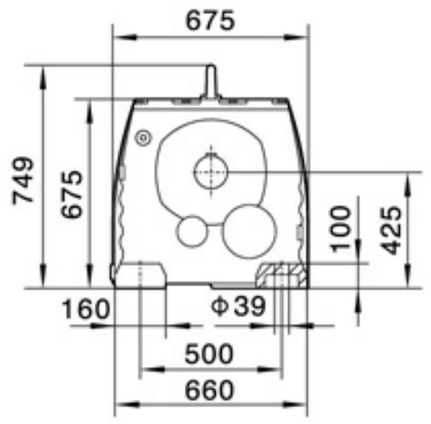
Y_2电机机座号 Motor size	160M	160L	180M	180L	200	225S	225M	250	280S	280M	
功率/4P Power/(kW)	11	15	18.5	22	30	37	45	55	75	90	
L3	567	602	583	616	654	674	696	775	845	845	
G	330	330	380	380	420	470	470	510	580	580	
L2	145	145	145	145	150	150	150	165	165	165	

注:“R..”表示R、RF　　Note:"R.."mean R、RF

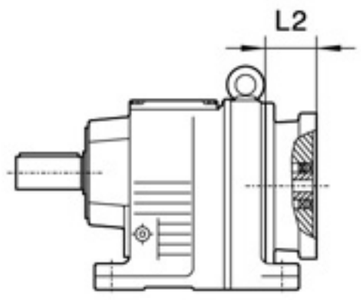
R

R167



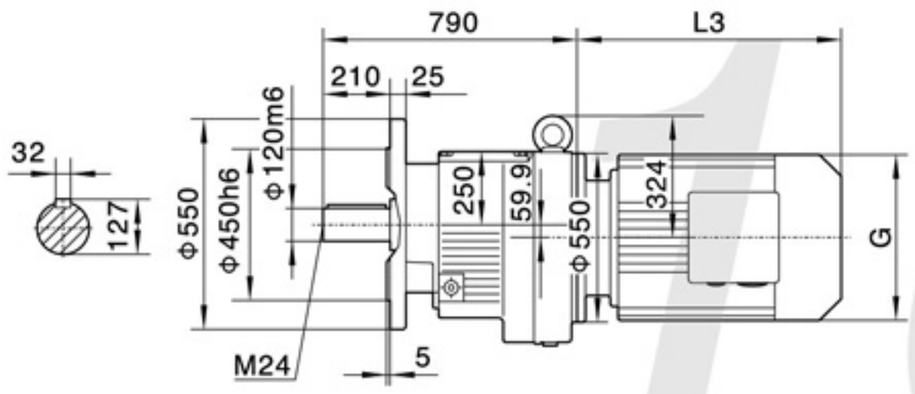


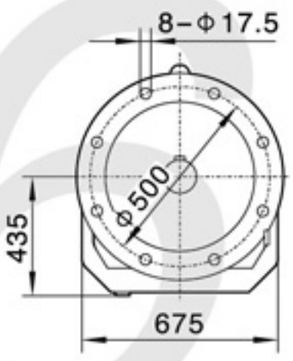
电机需方配时或配特殊电机时需加联接法兰
When equipping the user' s motor or the special one,the flange is required to connected.



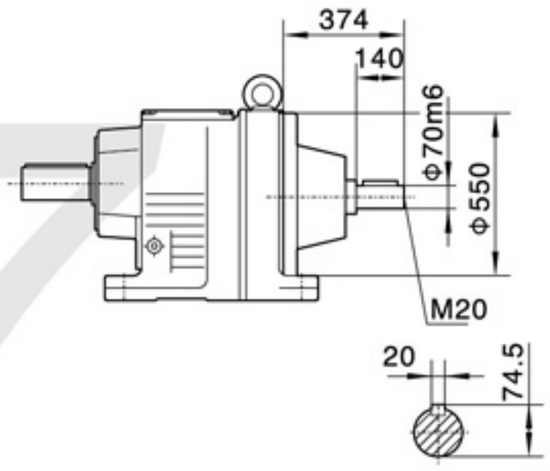
RF167

Φ550



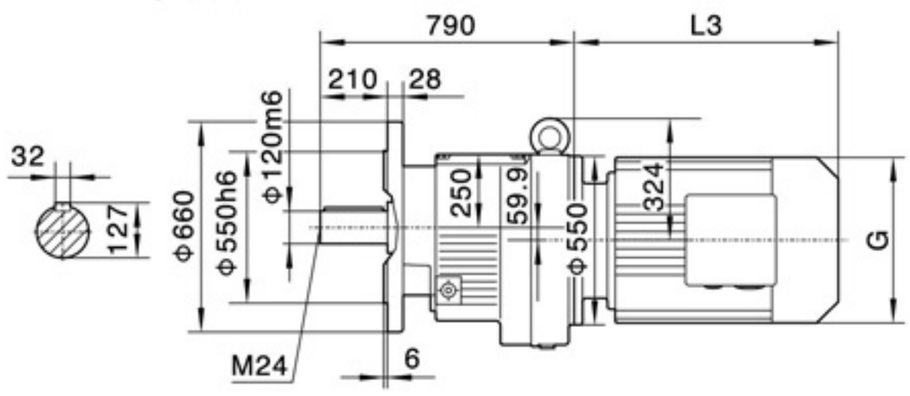


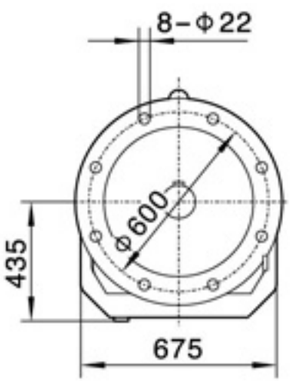
R..S167

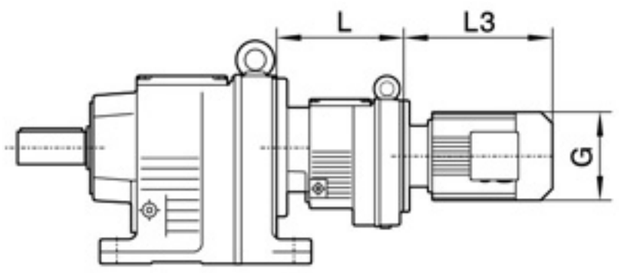


R..167R97(R107)

Φ660





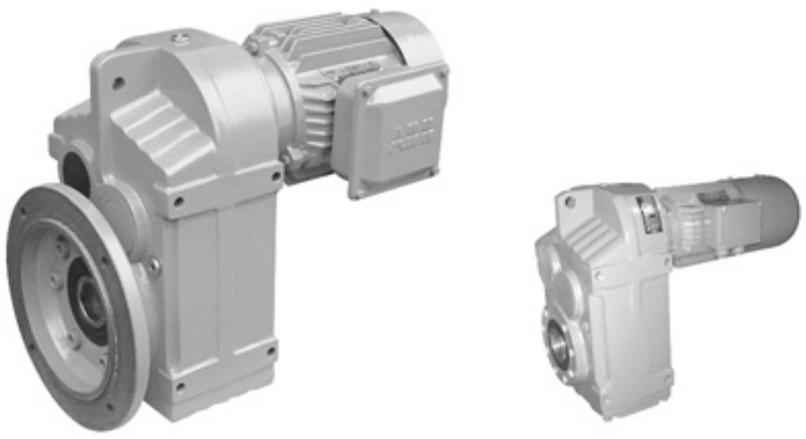


	R..167R97组合	R..167R107组合
L	320	370

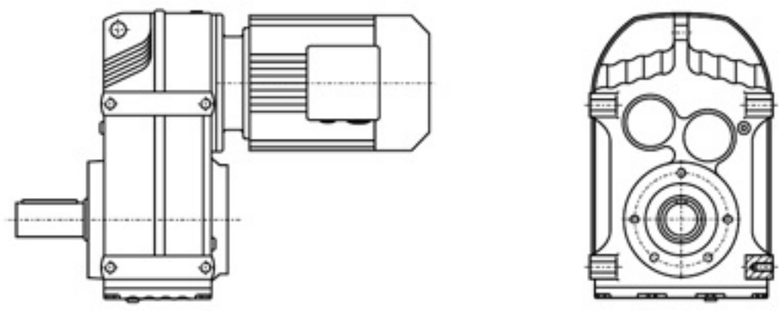
注：其余尺寸见相应的结构形式
Note: For other values please refer to the oppsited structure

Y2电机机座号 Motor size	160M	160L	180M	180L	200	225S	225M	250	280S	280M	315S	315M	315L
功率/4P Power/(kW)	11	15	18.5	22	30	37	45	55	75	90	110	132	160
L3	567	602	635	666	642	669	691	770	828	879	1100	1130	1360
G	330	330	380	380	420	470	470	510	580	580	645	645	645
L2	145	145	145	145	150	150	150	165	165	165	230	230	230

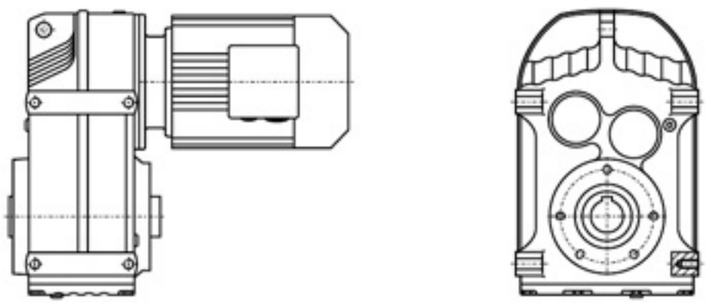
注:“R..”表示R、RF　　Note:"R.."mean R、RF



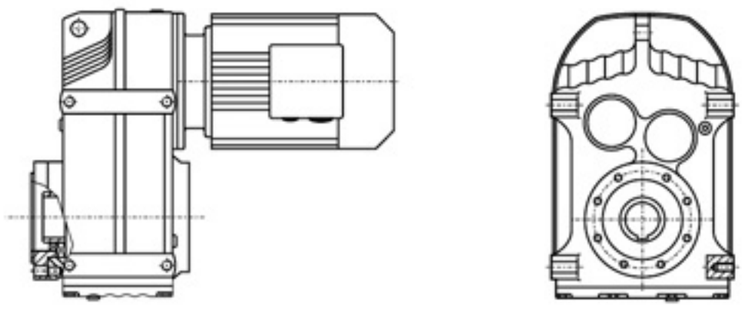
F系列减速机有以下设计方案：
F series gear units are available in the following designs:



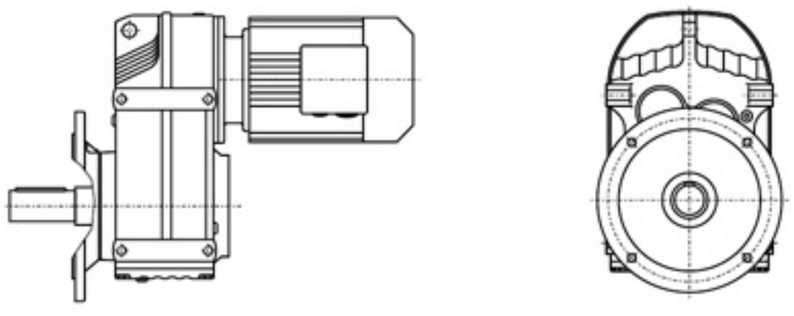
F..Y..
底脚轴伸式安装平行轴斜齿轮减速机
Foot-mounted parallel shaft helical gear units with solid shaft



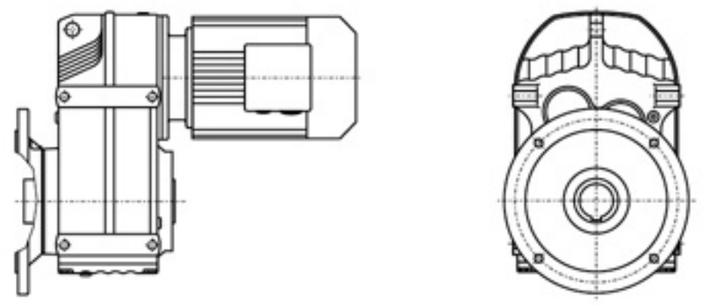
FA..Y..
空心轴安装平行轴斜齿轮减速机
Parallel shaft helical gear units with hollow shaft



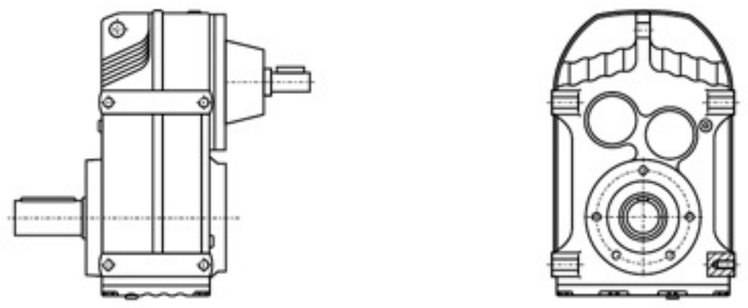
FAZ..Y..
小法兰空心轴安装平行轴斜齿轮减速机
Short-flange-mounted parallel shaft helical gear units with hollow shaft



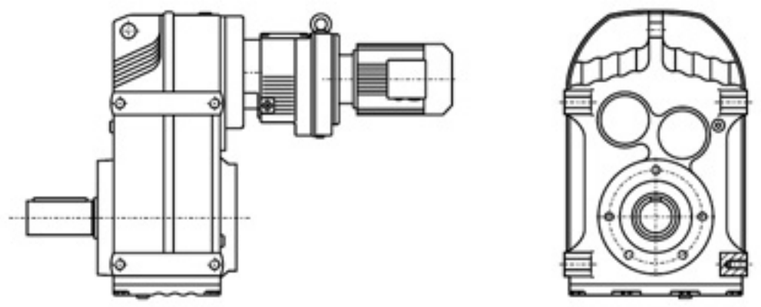
FF..Y..
法兰轴伸式安装平行轴斜齿轮减速机
Flange-mounted parallel shaft helical gear units with solid shaft



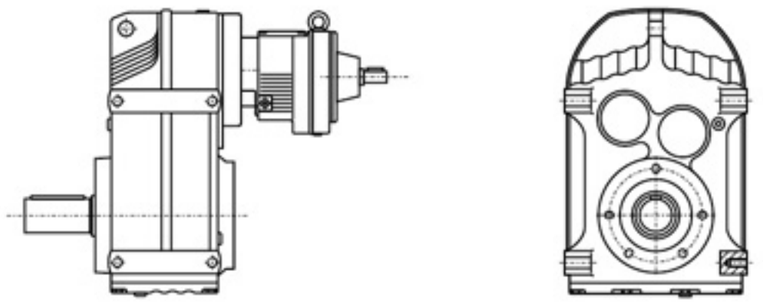
FAF..Y..
法兰空心轴安装平行轴斜齿轮减速机
Flange-mounted parallel shaft helical gear units with hollow shaft



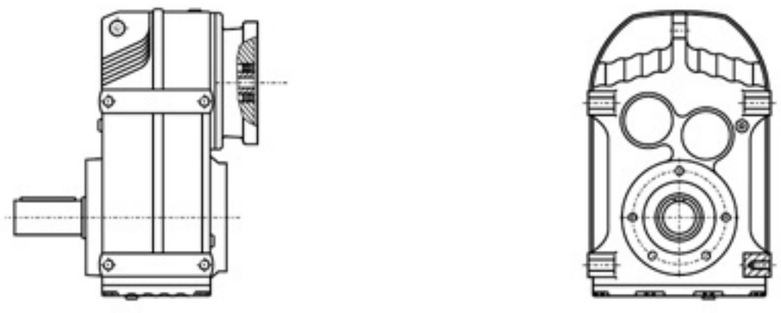
F（FF、FA、FAF、FAZ）S...
轴输入的平行轴斜齿轮减速机
Shaft input parallel shaft helical gear units



F（FF、FA、FAF、FAZ）...R...Y...
组合式平行轴斜齿轮减速机
Combinatorial parallel shaft helical gear units



F（FF、FA、FAF、FAZ）S...R...
轴输入的组合式平行轴斜齿轮减速机
Shaft input combinatorial parallel shaft helical gear units



F（FF、FA、FAF、FAZ）...Y...
电机用户自配或配特殊电机时需加联接法兰
When equipping the user's motor or the special one,the flange is required to be connected

F

F

型号与标记：
Type Designations:

F F 37-Y 0.55-4P-23.88-M1- 270°

减速机类型
结构形式
规格
电机代号
电机功率、极数
传动比
安装形式
电机接线盒位置

F F 37-Y 0.55-4P-23.88-M1- 270°

Gear units type
Structure
Size
Motor code
Motor power、pole
Ratio
Mounting position
Position of the motor thermal box

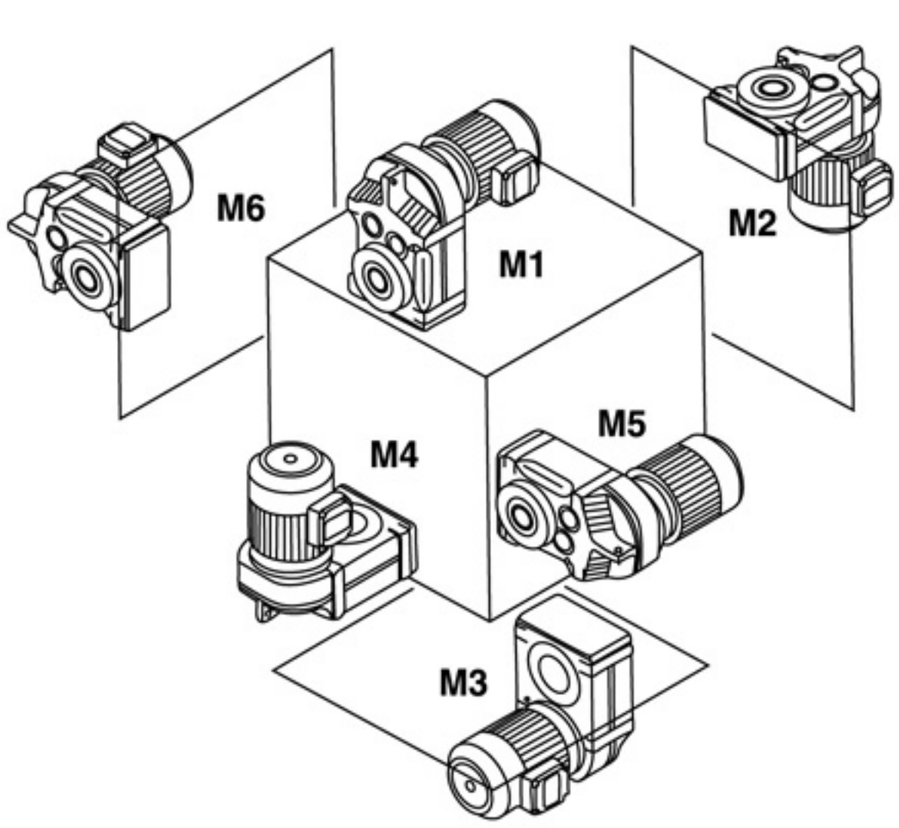
减速机类型： 平行轴斜齿轮减速机	Gear units type: Parallel shaft helical gear units
结构形式： 普通轴伸式 (省略) 轴装式 A 轴伸法兰式 F 轴装法兰式 AF 轴装小法兰式 AZ 普通轴伸式，轴输入 S 普通轴装式，轴输入 AS 轴伸法兰式，轴输入 FS 轴装法兰式，轴输入 AFS * 带锁紧盘式 H..(H,HF,HZ,HT)	Structure: Foot-mounted solid shaft output (-) Hollow shaft output A Flange-mounted solid shaft output F Flange-mounted hollow shaft output AF Short-flange-mounted hollow shaft output AZ Foot-mounted solid shaft output, shaft input S Hollow shaft output,shaft input AS Flange-mounted solid shaft output,shaft input FS Flange-mounted hollow shaft output,shaft input AFS * Hollow shaft output with shrink disk H..(H,HF,HZ,HT)
规格： (见选型参数表)	Size: (see selection table)
电机代号： 普通 (更新) Y(Y2) 防 爆 B 直 流 Z 制 动 YEJ 多 速 D 变 频 YVP 电磁调速 YCT 冶金起重 R 变频制动 YVPJ 辊 道 G	Motor code: Ordinary(renew) Y(Y2) Flame-proof B Direct current Z Brake YEJ Multi-speed D Variable frequency YVP Electromagnetism speed modulation YCT Hoisting in metallurgy R Variable frequency and brake YVPJ Roller tables G
电机功率、极数： (见选型参数表)	Motor power、pole ： (see selection table)
传动比： (见选型参数表)	Ratio: (see selection table)
安装形式： M1、M2、M3、M4、M5、M6 (见第89页)	Mounting position: M1、M2、M3、M4、M5、M6(see page 89)
电机接线盒位置： 0°、90°、180°、270°(见第89页)	Position of the motor thermal box: 0°、90°、180°、270°(see page 89)

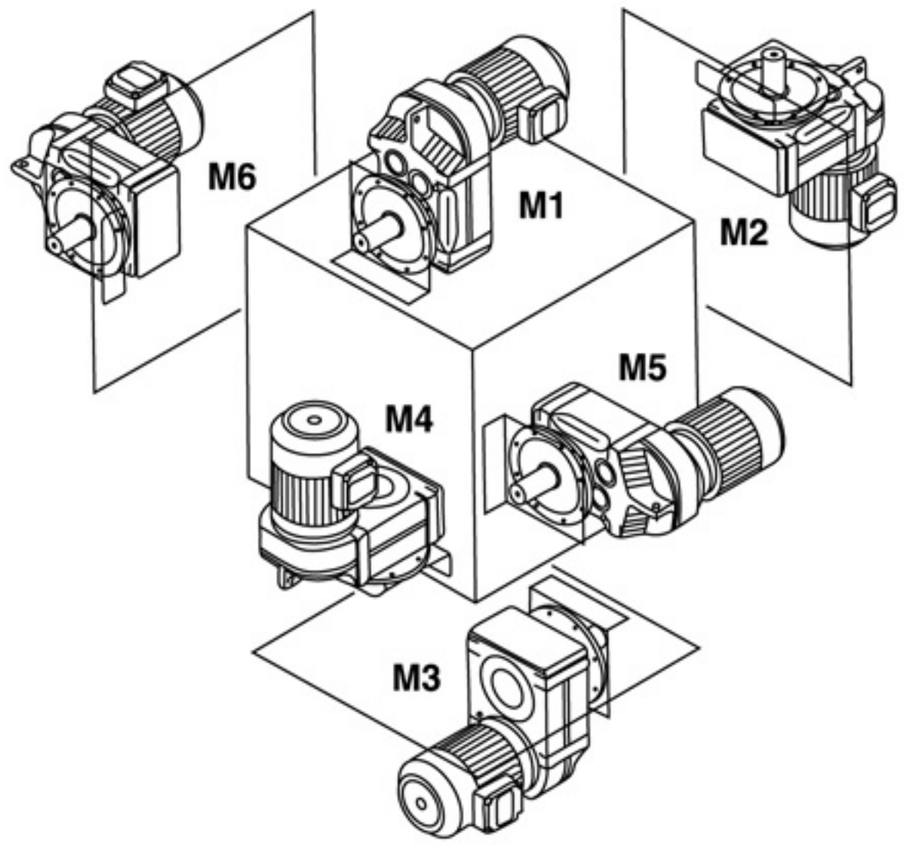
*带锁紧盘式，详见361-362页。

*Hollow shaft output with shrink disk, see P361-362 for detail.

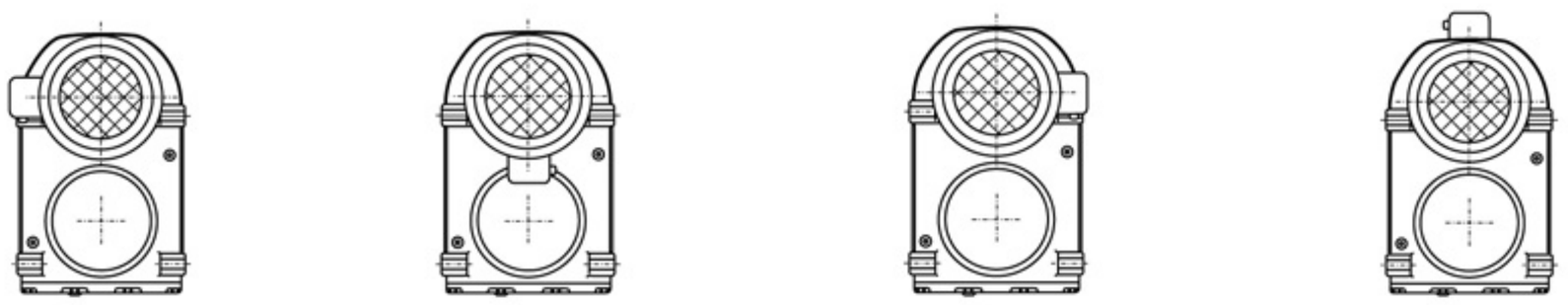
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安装形式:
Mounting position:





电机接线盒位置:
Position of the motor thermal box



0° 90° 180° 270°

输入功率及许用转矩
Input power rating and permissible torque

规 格 Size	37	47	57	67	77	87	97	107	127	157
结构形式 Structure	F FA FF FAF FAZ									
输入功率 Input power rating(kW)	0.18~3	0.18~3	0.18~5.5	0.18~5.5	0.37~11	0.75~22	1.1~30	2.2~45	7.5~90	11~200
传动比 Ratio	3.81~ 128.51	5.06~ 189.39	5.18~ 199.70	4.21~ 228.99	4.30~ 281.71	4.12~ 270.68	4.68~ 280.76	6.20~ 254.40	4.63~ 172.17	11.92~ 267.43
许用转矩(N.m) Permissible torque	200	400	600	820	1500	3000	4300	7840	12000	18000

减速机重量
Gear unit weight

规 格 Size	37	47	57	67	77	87	97	107	127	157
重量(kg) Weight	13	18	34	55	90	150	260	402	700	950

所注重量为平均值，仅供参考
The weights are mean values,only for reference.

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润滑油量表
Lubrication table

F...:

规 格 Size	润滑油量（升） Fill quantity in liters					
	M1	M2	M3	M4	M5	M6
F37	1	1.2	0.7	1.2	1	1.1
F47	1.5	1.8	1.1	1.9	1.5	1.7
F57	2.6	3.7	2.1	3.5	2.8	2.9
F67	2.7	3.8	1.9	3.8	2.9	3.2
F77	5	7.3	4.3	8	6	6.3
F87	10	13.0	7.7	13.8	10.8	11
F97	18.5	22.5	12.6	25.2	18.5	20
F107	24.5	32	19.5	37.5	27	27
F127	40.5	55	34	61	46.5	47
F157	69	104	63	105	86	78

FF...:

规 格 Size	润滑油量（升） Fill quantity in liters					
	M1	M2	M3	M4	M5	M6
FF37	1	1.2	0.7	1.3	1	1.1
FF47	1.6	1.9	1.1	1.9	1.5	1.7
FF57	2.8	3.8	2.1	3.7	2.9	3
FF67	2.7	3.8	1.9	3.8	2.9	3.2
FF77	5.1	7.3	4.3	8.1	6	6.3
FF87	10.3	13.2	7.8	14.1	11	11.2
FF97	19	22.5	12.6	25.5	18.9	20.5
FF107	25.5	32	19.5	38.5	27.5	28
FF127	41.5	56	34	63	46.5	49
FF157	72	105	64	106	87	79

FA..、FAF..、FAZ...:

规 格 Size	润滑油量（升） Fill quantity in liters					
	M1	M2	M3	M4	M5	M6
F..37	1	1.2	0.7	1.2	1	1.1
F..47	1.5	1.8	1.1	1.9	1.5	1.7
F..57	2.7	3.8	2.1	3.6	2.9	3
F..67	2.7	3.8	1.9	3.8	2.9	3.2
F..77	5	7.3	4.3	8	6	6.3
F..87	10	13.0	7.7	13.8	10.8	11
F..97	18.5	22.5	12.6	25.0	18.5	20
F..107	24.5	32	19.5	37.5	27	27
F..127	39	55	34	61	45	46.5
F..157	68	103	62	104	85	77



输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
0.18kW					
0.11	14324	13014	0.79		
0.12	12930	11748	0.87	FA 127R77	4
0.14	11305	10271	1.00	FAF127R77	4
0.16	9797	8901	1.15	F 127R77	4
0.18	8478	7703	1.33	FF 127R77	4
0.21	7449	6768	1.51		
0.16	9408	8548	0.78		
0.18	8448	7675	0.87		
0.21	7281	6615	1.01		
0.24	6406	5820	1.15	FA 107R77	4
0.27	5749	5223	1.28	FAF107R77	4
0.30	5027	4567	1.47	F 107R77	4
0.39	3875	3521	1.90	FF 107R77	4
0.46	3343	3037	2.2		
0.50	3033	2756	2.4		
0.59	2607	2369	2.8		
0.67	2276	2068	3.2		
0.32	4815	4375	0.84		
0.35	4343	3946	0.9		
0.41	3743	3401	1.1		
0.47	3246	2949	1.2	FA 97R57	4
0.54	2851	2590	1.4	FAF97R57	4
0.61	2495	2267	1.6	F 97R57	4
0.70	2189	1989	1.8	FF 97R57	4
0.80	1914	1739	2.1		
0.90	1697	1542	2.4		
1.0	1475	1340	2.7		
1.2	1301	1182	3.1		
0.48	3171	2881	0.9		
0.54	2834	2575	1.0		
0.63	2420	2199	1.2		
0.72	2124	1930	1.3	FA 87R57	4
0.81	1881	1709	1.5	FAF87R57	4
0.93	1643	1493	1.7	F 87R57	4
1.1	1431	1300	2.0	FF 87R57	4
1.2	1264	1148	2.2		
1.4	1112	1010	2.5		
1.6	976	887	2.9		
1.8	859	780	3.3		
0.8	1902	1728	0.7		
0.9	1698	1543	0.8		
1.0	1490	1354	0.9		
1.2	1316	1196	1.1	FA 77R37	4
1.3	1156	1050	1.2	FAF77R37	4
1.5	998	907	1.4	F 77R37	4
1.7	892	810	1.6	FF 77R37	4
2.0	781	710	1.8		
2.3	660	600	2.1		
1.6	944	858	0.82		
1.9	812	738	0.95		
2.2	689	626	1.12		
2.4	630	572	1.22		
2.8	550	500	1.40		
2.8	547	497	1.41	FA 67R37	4
3.1	500	454	1.54	FAF67R37	4
3.3	470	427	1.64	F 67R37	4
3.5	431	392	1.79	FF 67R37	4
3.8	403	366	1.91		
4.2	367	333	2.1		
4.7	327	297	2.4		
5.3	287	261	2.7		
5.8	262	238	2.9		
7.0	220	200	3.5		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
0.18kW					
2.5	616	560	0.92		
2.7	558	507	1.01		
3.1	499	453	1.13		
3.3	469	426	1.20	FA 57R37	4
3.6	426	387	1.32	FAF57R37	4
4.2	363	330	1.55	F 57R37	4
4.7	328	298	1.72	FF 57R37	4
5.3	288	262	1.96		
6.2	249	226	2.3		
7.0	220	200	2.6		
4.1	371	337	1.01		
4.6	331	301	1.13		
4.7	322	293	1.17		
4.9	314	285	1.20	FA 47R17	4
6.0	253	230	1.49	FAF47R17	4
6.1	250	227	1.50	F 47R17	4
6.4	238	216	1.58	FF 47R17	4
7.4	207	188	1.82		
7.9	194	176	1.94		
8.2	187	170	1.00	FA 37R17	4
8.3	185	168	1.02	FAF37R17	4
10	146	133	1.28	F 37R17	4
11	142	129	1.32	FF 37R17	4
3.0	536	281.71	2.6	FA 77	6
3.2	500	262.93	2.8	FAF77	6
3.8	429	225.79	3.3	F 77	6
				FF 77	6
3.7	435	228.99	1.77	FA 67	6
4.4	371	195.39	2.1	FAF67	6
5.0	325	170.85	2.4	F 67	6
				FF 67	6
6.1	266	228.99	2.9	FA 67	4
7.1	227	195.39	3.4	FAF67	4
8.1	199	170.85	3.9	F 67	4
				FF 67	4
4.3	380	199.70	1.49		
4.6	349	183.60	1.62	FA 57	6
5.4	299	157.09	1.89	FAF57	6
6.2	259	136.16	2.2	F 57	6
6.7	242	127.27	2.3	FF 57	6
7.7	209	110.01	2.7		
7.0	232	199.70	2.4	FA 57	4
7.6	213	183.60	2.6	FAF57	4
8.8	183	157.09	3.1	F 57	4
10	158	136.16	3.6	FF 57	4
11	148	127.27	3.8		
4.5	360	189.39	1.0	FA 47	6
4.9	331	174.13	1.1	FAF47	6
5.7	283	148.98	1.3	F 47	6
6.6	245	129.14	1.5	FF 47	6
7.0	229	120.70	2.5		
7.3	220	189.39	1.71	FA 47	4
8.0	202	174.13	1.86	FAF47	4
9.3	173	148.98	2.2	F 47	4
11	150	129.14	2.5	FF 47	4
12	140	120.70	2.7		

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输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
0.18kW					
7.2	224	117.88	0.84	FA 37	6
8.5	191	100.36	0.99	FAF37	6
9.8	164	86.53	1.14	F 37	6
11	153	80.65	1.23	FF 37	6
12	134	70.50	1.40		
11	149	128.51	1.26		
12	137	117.88	1.37		
14	117	100.36	1.61		
16	101	86.53	1.87		
17	94	80.65	2.0		
20	82	70.50	2.3		
21	77	66.09	2.4		
24	68	58.32	2.8		
25	63	54.54	3.0		
27	60	51.70	3.1		
30	55	47.02	3.4		
32	51	43.83	3.7		
36	45	38.31	4.2		
39	42	35.91	4.5	FA 37	4
44	37	31.69	5.1	FAF37	4
49	33	28.09	5.8	F 37	4
58	28	23.88	6.8	FF 37	4
59	27	23.63	6.8		
68	24	20.57	7.9		
72	22	19.27	8.4		
82	20	17.03	9.5		
88	18	15.81	10.2		
97	17	14.33	11		
108	15	12.87	13		
125	13	11.08	14		
133	12	10.42	14		
155	10	8.97	16		
185	8.7	7.51	16		
204	7.9	6.81	17		
227	7.1	6.11	18		
264	6.1	5.27	19		
281	5.8	4.95	20		
326	5.0	4.26	21		
0.25kW					
0.16	13607	8901	0.83		
0.18	11775	7703	0.96	FA 127R77	4
0.21	10346	6768	1.09	FAF127R77	4
0.23	9131	5973	1.24	F 127R77	4
0.27	7760	5076	1.45	FF 127R77	4
0.31	6827	4466	1.7		
0.24	8897	5820	0.83		
0.27	7984	5223	0.92		
0.30	6982	4567	1.06		
0.40	5262	3442	1.40	FA 107R77	4
0.46	4643	3037	1.59	FAF107R77	4
0.50	4213	2756	1.75	F 107R77	4
0.59	3621	2369	2.0	FF 107R77	4
0.67	3161	2068	2.3		
0.87	2441	1597	3.0		
0.99	2142	1401	3.4		
0.47	4508	2949	0.90		
0.54	3959	2590	1.02		
0.61	3466	2267	1.17	FA 97R57	4
0.63	3362	2199	1.20	FAF97R57	4
0.80	2658	1739	1.52	F 97R57	4
0.90	2357	1542	1.71	FF 97R57	4
1.0	2032	1329	2.0		
1.2	1807	1182	2.2		
1.3	1578	1032	2.6		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
0.25kW					
0.72	2950	1930	1.0		
0.81	2613	1709	1.1		
0.93	2282	1493	1.2		
1.1	1987	1300	1.4	FA 87R57	4
1.2	1755	1148	1.6	FAF87R57	4
1.4	1544	1010	1.8	F 87R57	4
1.6	1356	887	2.1	FF 87R57	4
1.8	1192	780	2.4		
2.1	1030	674	2.7		
1.3	1605	1050	0.88		
1.5	1387	907	1.02		
1.7	1238	810	1.14	FA 77R37	4
2.0	1085	710	1.30	FAF77R37	4
2.3	917	600	1.54	F 77R37	4
2.6	803	525	1.76	FF 77R37	4
3.0	717	469	1.97		
3.4	630	412	2.2		
2.2	980	641	0.79		
2.4	874	572	0.88		
2.7	778	509	0.99		
2.8	764	500	1.01	FA 67R37	4
3.1	694	454	1.11	FAF67R37	4
3.2	668	437	1.15	F 67R37	4
3.5	599	392	1.29	FF 67R37	4
4.2	509	333	1.51		
4.7	454	297	1.70		
5.3	399	261	1.93		
5.8	364	238	2.1		
3.6	592	387	0.95		
4.2	504	330	0.97		
5.6	381	249	1.11		
3.6	584	382	1.12	FA 57R37	4
4.2	505	330	1.21	FAF57R37	4
4.7	456	298	1.24	F 57R37	4
5.3	401	262	1.48	FF 57R37	4
6.2	345	226	1.63		
7.0	306	200	1.84		
8.4	254	166	2.2		
6.0	352	230	1.07		
6.1	347	227	1.08		
6.4	330	216	1.14		
7.2	294	192	1.28	FA 47R17	4
7.4	287	188	1.31	FAF47R17	4
7.9	269	176	1.40	F 47R17	4
8.0	264	173	1.42	FF 47R17	4
9.4	226	148	1.66		
11	199	130	1.89		
10	203	133	0.92	FA 37R17	4
11	197	129	0.95	FAF37R17	4
12	180	118	1.04	F 37R17	4
14	150	98	1.25	FF 37R17	4
16	133	87	1.41		
3.0	744	281.71	1.9	FA 77	6
3.2	694	262.93	2.0	FAF77	6
3.8	596	225.79	2.4	F 77	6
4.3	524	198.31	2.7	FF 77	6
4.5	497	188.40	2.8		



输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
0.25kW					
3.7	605	228.99	1.3	FA 67	6
4.4	516	195.39	1.5	FAF67	6
5.0	451	170.85	1.7	F 67	6
5.2	429	162.31	1.8	FF 67	6
6.0	376	142.40	2.1		
6.1	370	228.99	2.1	FA 67	4
7.1	315	195.39	2.4	FAF67	4
8.1	276	170.85	2.8	F 67	4
8.6	262	162.31	2.9	FF 67	4
9.8	230	142.40	3.4		
4.3	527	199.70	1.07		
4.6	485	183.60	1.16	FA 57	6
5.4	415	157.09	1.4	FAF57	6
6.2	360	136.16	1.6	F 57	6
6.7	336	127.27	1.7	FF 57	6
7.7	290	110.01	1.9		
7.0	322	199.70	1.7		
7.6	296	183.60	1.9	FA 57	4
8.8	254	157.09	2.2	FAF57	4
10	220	136.16	2.6	F 57	4
11	205	127.27	2.7	FF 57	4
13	178	110.01	3.2		
5.7	393	148.98	1.0	FA 47	6
6.6	341	129.14	1.1	FAF47	6
7.0	319	120.70	1.2	F 47	6
8.1	275	104.33	1.4	FF 47	6
7.3	306	189.39	1.2		
8.0	281	174.13	1.3	FA 47	4
9.3	241	148.98	1.6	FAF47	4
11	209	129.14	1.8	F 47	4
12	195	120.70	1.9	FF 47	4
13	168	104.33	2.2		
16	143	88.65	2.6		
11	207	128.51	0.9		
12	190	117.88	1.0		
14	162	100.36	1.2		
16	140	86.53	1.3		
17	130	80.65	1.4		
20	114	70.50	1.7		
21	107	66.09	1.8		
24	94	58.32	2.0		
25	88	54.54	2.1		
27	83	51.70	2.3		
30	76	47.02	2.5		
32	71	43.83	2.7		
36	62	38.31	3.0	FA 37	4
39	58	35.91	3.2	FAF37	4
44	51	31.69	3.7	F 37	4
49	45	28.09	4.1	FF 37	4
58	39	23.88	4.9		
59	38	23.63	4.9		
68	33	20.57	5.7		
72	31	19.27	6.0		
82	27	17.03	6.8		
88	26	15.81	7.4		
97	23	14.33	8.1		
108	21	12.87	9.0		
125	18	11.08	10		
133	17	10.42	10		
155	14	8.97	11		
185	12	7.51	11		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
0.25kW					
204	11	6.81	12	FA 37	4
227	10	6.11	13	FAF37	4
264	8.5	5.27	14	F 37	4
281	8.0	4.95	14	FF 37	4
326	6.9	4.26	15		
0.37kW					
0.21	15312	6768	0.74	FA 127R77	4
0.23	13514	5973	0.83	FAF127R77	4
0.27	11484	5076	0.98	F 127R77	4
0.31	10104	4466	1.12	FF 127R77	4
0.36	8751	3868	1.29		
0.41	7699	3403	1.47		
0.47	6758	2987	1.67		
0.46	6871	3037	1.07	FA 107R77	4
0.50	6235	2756	1.16	FAF107R77	4
0.59	5360	2369	1.35	F 107R77	4
0.67	4679	2068	1.54	FF 107R77	4
0.87	3613	1597	2.0		
0.61	5129	2267	0.79		
0.70	4505	1991	0.90		
0.80	3934	1739	1.03	FA 97R57	4
0.90	3489	1542	1.16	FAF97R57	4
1.0	3032	1340	1.3	F 97R57	4
1.2	2674	1182	1.5	FF 97R57	4
1.3	2335	1032	1.7		
1.5	2052	907	2.0		
1.1	2941	1300	1.0	FA 87R57	4
1.2	2597	1148	1.1	FAF87R57	4
1.4	2285	1010	1.2	F 87R57	4
1.6	2007	887	1.4	FF 87R57	4
1.8	1765	780	1.6		
2.1	1525	674	1.8		
2.3	1378	609	2.0		
2.7	1165	515	2.4		
3.1	1023	452	2.8		
1.7	1833	810	0.77	FA 77R37	4
2.0	1606	710	0.88	FAF77R37	4
2.3	1357	600	1.04	F 77R37	4
2.6	1188	525	1.19	FF 77R37	4
3.0	1061	469	1.33		
3.4	932	412	1.51		
3.9	808	357	1.75		
4.4	710	314	1.98		
3.3	966	427	0.80	FA 67R37	4
3.8	828	366	0.93	FAF67R37	4
4.3	731	323	1.05	F 67R37	4
4.8	656	290	1.17	FF 67R37	4
5.4	581	257	1.33		
6.3	498	220	1.55		
5.3	593	262	0.95	FA 57R37	4
5.6	563	249	1.00	FAF57R37	4
6.2	511	226	1.10	F 57R37	4
7.0	452	200	1.25	FF 57R37	4
7.1	446	197	1.27		
7.7	410	181	1.38		
8.4	376	166	1.50		
9.1	344	152	1.64		
10	303	134	1.86		

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输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
0.37kW					
8.0	391	173	0.96	FA 47R17	4
				FAF47R17	4
9.5	330	146	1.14	F 47R17	4
11	292	129	1.29	FF 47R17	4
2.4	1400	271.92	2.0	FA 87	8
2.5	1313	254.93	2.1	FAF87	8
2.8	1177	228.57	2.4	F 87	8
3.3	1014	196.85	2.8	FF 87	8
3.1	1063	271.92	2.7	FA 87	6
3.3	996	254.93	2.8	FAF87	6
3.7	893	228.57	3.2	F 87	6
				FF 87	6
3.8	882	225.79	1.6	FA 77	6
4.3	775	198.31	1.8	FAF77	6
4.5	736	188.40	1.9	F 77	6
5.1	651	166.47	2.2	FF 77	6
6.0	556	142.27	2.5		
4.9	673	281.71	2.1	FA 77	4
5.3	628	262.93	2.2	FAF77	4
6.2	540	225.79	2.6	F 77	4
7.0	474	198.31	3.0	FF 77	4
4.4	764	195.39	1.01	FA 67	6
5.0	668	170.85	1.15	FAF67	6
5.2	634	162.31	1.22	F 67	6
6.0	556	142.40	1.4	FF 67	6
7.0	472	120.79	1.6		
6.1	547	228.99	1.41		
7.1	467	195.39	1.65	FA 67	4
8.1	408	170.85	1.89	FAF67	4
8.6	388	162.31	1.99	F 67	4
9.8	340	142.40	2.3	FF 67	4
12	289	120.79	2.7		
5.4	614	157.09	0.92	FA 57	6
6.2	532	136.16	1.06	FAF57	6
6.7	497	127.27	1.13	F 57	6
7.7	430	110.01	1.31	FF 57	6
7.0	477	199.70	1.18		
7.6	439	183.60	1.29		
8.8	375	157.09	1.50	FA 57	4
10	325	136.16	1.73	FAF57	4
11	304	127.27	1.85	F 57	4
13	263	110.01	2.1	FF 57	4
15	223	93.47	2.5		
17	199	83.46	2.8		
9	356	148.98	1.06		
11	309	129.14	1.22	FA 47	4
13	249	104.33	1.51	FAF47	4
16	212	88.65	1.77	F 47	4
18	189	79.15	2.0	FF 47	4
21	162	67.61	2.3		
21	155	64.89	2.4		
16	207	86.53	0.91		
17	193	80.65	0.98		
20	168	70.50	1.12	FA 37	4
21	158	66.09	1.19	FAF37	4
24	139	58.32	1.35	F 37	4
25	130	54.54	1.44	FF 37	4
27	124	51.70	1.52		
30	112	47.02	1.67		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
0.37kW					
32	105	43.83	1.80		
36	92	38.31	2.1		
39	86	35.91	2.2		
44	76	31.69	2.5		
49	67	28.09	2.8		
58	57	23.88	3.3		
59	56	23.63	3.3		
68	49	20.57	3.8		
72	46	19.27	4.1		
82	41	17.03	4.6	FA 37	4
88	38	15.81	5.0	FAF37	4
97	34	14.33	5.5	F 37	4
108	31	12.87	6.1	FF 37	4
125	26	11.08	6.7		
133	25	10.42	7.0		
155	21	8.97	7.6		
185	18	7.51	7.7		
204	16	6.81	8.1		
227	15	6.11	8.7		
264	13	5.27	9.3		
281	12	4.95	9.5		
326	10	4.26	10		
0.55kW					
0.22	21141	6286	0.80		
0.26	18174	5404	0.93		
0.50	9336	2776	1.81	FA 157R97	4
0.57	8162	2427	2.1	FAF157R97	4
0.83	5630	1674	3.0	F 157R97	4
1.1	4399	1308	3.8	FF 157R97	4
1.2	3931	1169	4.3		
0.36	13009	3868	0.87	FA 127R77	4
0.41	11445	3403	0.99	FAF127R77	4
0.47	10046	2987	1.12	F 127R77	4
				FF 127R77	4
0.59	7967	2369	0.92		
0.67	6955	2068	1.06		
0.76	6141	1826	1.20		
0.87	5371	1597	1.37	FA 107R77	4
0.99	4712	1401	1.56	FAF107R77	4
1.19	3921	1166	1.88	F 107R77	4
1.28	3656	1087	2.0	FF 107R77	4
1.46	3195	950	2.3		
1.67	2805	834	2.6		
2.17	2152	640	3.4		
1.04	4507	1340	0.90		
1.18	3975	1182	1.02		
1.35	3471	1032	1.16		
1.5	3050	907	1.33	FA 97R57	4
1.7	2677	796	1.5	FAF97R57	4
2.0	2354	700	1.7	F 97R57	4
2.3	2055	611	2.0	FF 97R57	4
2.6	1796	534	2.3		
2.9	1587	472	2.5		
3.4	1379	410	2.9		
3.8	1234	367	3.3		
1.6	2983	887	0.95		
1.8	2623	780	1.08	FA 87R57	4
2.1	2267	674	1.24	FAF87R57	4
2.3	2048	609	1.38	F 87R57	4
2.7	1732	515	1.63	FF 87R57	4
3.1	1520	452	1.86		
4.0	1160	345	2.4		



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输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
0.55kW					
2.6	1766	525	0.80	FA 77R37	4
3.0	1577	469	0.89	FAF77R37	4
3.4	1386	412	1.02	F 77R37	4
3.9	1201	357	1.17	FF 77R37	4
4.4	1056	314	1.34		
5.4	864	257	0.89	FA 67R37	4
6.3	740	220	1.04	FAF67R37	4
7.1	659	196	1.17	F 67R37	4
8.3	562	167	1.37	FF 67R37	4
2.4	2039	276.64	1.98	FA 97	8
2.6	1878	254.79	2.2	FAF97	8
3.0	1668	226.34	2.4	F 97	8
				FF 97	8
2.5	2004	271.92	1.41	FA 87	8
2.6	1875	254.93	1.50	FAF87	8
2.9	1684	228.57	1.67	F 87	8
3.4	1450	196.85	1.94	FF 87	8
3.3	1517	271.92	1.86	FA 87	6
3.5	1422	254.93	1.98	FAF87	6
3.9	1275	228.57	2.2	F 87	6
4.5	1098	196.85	2.6	FF 87	6
4.9	998	178.95	2.8		
3.9	1260	225.79	1.12		
4.5	1106	198.31	1.27	FA 77	6
4.7	1051	188.40	1.34	FAF77	6
5.3	929	166.47	1.52	F 77	6
6.2	794	142.27	1.78	FF 77	6
6.8	728	130.42	1.94		
6.2	802	225.79	1.76		
7.0	704	198.31	2.0		
7.4	669	188.40	2.1	FA 77	4
8.3	591	166.47	2.4	FAF77	4
9.8	505	142.27	2.8	F 77	4
11	463	130.42	3.0	FF 77	4
12	407	114.45	3.5		
13	385	108.46	3.7		
15	337	94.93	4.2		
7.1	694	195.39	1.11		
8.1	607	170.85	1.27		
8.6	577	162.31	1.34	FA 67	4
9.8	506	142.40	1.52	FAF67	4
12	429	120.79	1.80	F 67	4
13	387	109.04	2.0	FF 67	4
14	341	95.94	2.3		
15	322	90.59	2.4		
18	277	77.97	2.8		
8.8	558	157.09	1.01		
10	484	136.16	1.17		
11	452	127.27	1.25	FA 57	4
13	391	110.01	1.44	FAF57	4
15	332	93.47	1.70	F 57	4
17	296	83.46	1.90	FF 57	4
19	260	73.16	2.2		
20	243	68.38	2.3		
24	210	59.10	2.7		
13	371	104.33	1.01	FA 47	4
16	315	88.65	1.19	FAF47	4
18	281	79.15	1.34	F 47	4
21	240	67.61	1.57	FF 47	4

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
0.55kW					
21	230	64.89	1.63	FA 47	4
25	199	56.09	1.89	FAF47	4
29	169	47.66	2.2	F 47	4
33	151	42.55	2.5	FF 47	4
24	207	58.32	0.91		
25	194	54.54	0.97		
27	184	51.70	1.02		
30	167	47.02	1.13		
32	156	43.83	1.21		
36	136	38.31	1.38		
39	128	35.91	1.47		
44	113	31.69	1.67		
49	100	28.09	1.88		
58	85	23.88	2.2		
59	84	23.63	2.2		
68	73	20.57	2.6		
72	68	19.27	2.7	FA 37	4
82	60	17.03	3.1	FAF37	4
97	51	14.33	3.7	F 37	4
108	46	12.87	4.1	FF 37	4
125	39	11.08	4.5		
133	37	10.42	4.7		
155	32	8.97	5.1		
174	28	8.01	5.2		
185	27	7.51	5.4		
204	24	6.81	5.6		
227	22	6.11	5.8		
264	19	5.27	6.3		
281	18	4.95	6.4		
326	15	4.26	6.8		
365	14	3.81	7.3		
0.75kW					
0.50	12731	2776	1.33	FA 157R97	4
0.57	11130	2427	1.52	FAF157R97	4
0.83	7677	1674	2.2	F 157R97	4
1.1	5999	1308	2.8	FF 157R97	4
1.2	5361	1169	3.2		
0.47	13699	2987	0.82		
0.52	12350	2693	0.91	FA 127R77	4
0.59	10896	2376	1.04	FAF127R77	4
0.68	9420	2054	1.20	F 127R77	4
0.77	8246	1798	1.37	FF 127R77	4
0.86	7425	1619	1.52		
0.76	8374	1826	0.88		
0.88	7241	1597	1.02		
0.99	6425	1401	1.15	FA 107R77	4
1.1	5700	1243	1.29	FAF107R77	4
1.3	4985	1087	1.48	F 107R77	4
1.5	4357	950	1.69	FF 107R77	4
1.7	3825	834	1.93		
2.2	2875	627	2.6		
3.3	1958	427	3.8		
1.3	4733	1032	0.85		
1.5	4160	907	0.97		
1.7	3651	796	1.1	FA 97R57	4
2.0	3210	700	1.3	FAF97R57	4
2.3	2802	611	1.4	F 97R57	4
2.6	2449	534	1.7	FF 97R57	4
2.9	2165	472	1.9		
3.4	1880	410	2.1		
3.8	1683	367	2.4		

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输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
0.75kW					
2.1	3091	674	0.91	FA 87R57	4
2.3	2793	609	1.01	FAF87R57	4
2.7	2362	515	1.19	F 87R57	4
3.1	2073	452	1.36	FF 87R57	4
4.0	1582	345	1.78		
3.9	1637	357	0.86	FA 77R37	4
4.4	1440	314	0.98	FAF77R37	4
5.1	1247	272	1.13	F 77R37	4
				FF 77R37	4
2.7	2519	255.25	2.9	FA 107	8
				FAF107	8
				F 107	8
				FF 107	8
2.5	2739	276.64	1.5	FA 97	8
2.7	2523	254.79	1.6	FAF97	8
3.0	2241	226.34	1.8	F 97	8
				FF 97	8
3.3	2047	276.64	2.0	FA 97	6
3.6	1885	254.79	2.1	FAF97	6
4.0	1675	226.34	2.4	F 97	6
				FF 97	6
3.3	2012	271.92	1.40		
3.6	1886	254.93	1.50	FA 87	6
4.0	1691	228.57	1.67	FAF87	6
4.6	1456	196.85	1.94	F 87	6
5.1	1324	178.95	2.1	FF 87	6
5.7	1181	159.61	2.4		
5.1	1317	271.92	2.1	FA 87	4
5.4	1235	254.93	2.3	FAF87	4
6.1	1107	228.57	2.5	F 87	4
				FF 87	4
4.6	1467	198.31	0.96		
4.8	1394	188.40	1.01	FA 77	6
5.5	1232	166.47	1.14	FAF77	6
6.4	1053	142.27	1.34	F 77	6
7.0	965	130.42	1.46	FF 77	6
6.2	1094	225.79	1.29		
7.0	961	198.31	1.47		
7.4	913	188.40	1.55	FA 77	4
8.3	806	166.47	1.75	FAF77	4
9.8	689	142.27	2.0	F 77	4
11	632	130.42	2.2	FF 77	4
12	554	114.45	2.5		
13	525	108.46	2.7		
8.1	828	170.85	0.93		
8.6	786	162.31	0.98		
9.8	690	142.40	1.12		
12	585	120.79	1.32	FA 67	4
13	528	109.04	1.46	FAF67	4
14	465	95.94	1.66	F 67	4
15	439	90.59	1.76	FF 67	4
18	378	77.97	2.0		
21	320	66.13	2.4		
23	289	59.70	2.7		
11	616	127.27	0.91	FA 57	4
13	533	110.01	1.06	FAF57	4
15	453	93.47	1.25	F 57	4
17	404	83.46	1.40	FF 57	4

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
0.75kW					
19	354	73.16	1.59	FA 57	4
20	331	68.38	1.70	FAF57	4
24	286	59.10	1.97	F 57	4
28	243	50.22	2.3	FF 57	4
31	217	44.84	2.6		
17	386	79.72	0.97		
20	330	68.09	1.14		
21	317	65.36	1.19		
25	272	56.09	1.38	FA 47	4
29	231	47.66	1.63	FAF47	4
33	206	42.55	1.82	F 47	4
38	176	36.34	2.1	FF 47	4
41	165	34.04	2.3		
48	139	28.67	2.7		
30	228	47.02	0.83		
32	212	43.83	0.89		
36	186	38.31	1.01		
39	174	35.91	1.08		
44	153	31.69	1.22		
49	136	28.09	1.38		
58	116	23.88	1.63		
59	114	23.63	1.6		
68	100	20.57	1.9		
72	93	19.27	2.0	FA 37	4
82	82	17.03	2.3	FAF37	4
97	69	14.33	2.7	F 37	4
108	62	12.87	3.0	FF 37	4
125	54	11.08	3.3		
133	50	10.42	3.4		
155	43	8.97	3.8		
204	33	6.81	4.0		
227	30	6.11	4.3		
264	26	5.27	4.6		
281	24	4.95	4.7		
326	21	4.26	5.0		
365	18	3.81	5.3		
1.1kW					
0.50	18539	2776	0.91		
0.58	16208	2427	1.04		
0.64	14592	2185	1.16		
0.72	12982	1944	1.30	FA 157R97	4
0.84	11179	1674	1.51	FAF157R97	4
1.1	8735	1308	1.94	F 157R97	4
1.2	7807	1169	2.2	FF 157R97	4
1.5	6364	953	2.7		
1.7	5643	845	3.0		
3.1	2978	446	5.7		
4.7	2010	301	8.4		
0.68	13717	2054	0.82		
0.78	12007	1798	0.94	FA 127R77	4
0.86	10812	1619	1.04	FAF127R77	4
1.0	9356	1401	1.21	F 127R77	4
1.1	8214	1230	1.37	FF 127R77	4
1.3	7246	1085	1.56		
1.1	8301	1243	0.89		
1.3	7259	1087	1.02	FA 107R77	4
1.5	6344	950	1.16	FAF107R77	4
1.7	5570	834	1.32	F 107R77	4
1.9	4915	736	1.50	FF 107R77	4
2.2	4274	640	1.72		



输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
1.1kW					
2.0	4675	700	0.86		
2.3	4080	611	0.99	FA 97R57	4
2.6	3566	534	1.13	FAF97R57	4
3.0	3152	472	1.28	F 97R57	4
3.4	2738	410	1.48	FF 97R57	4
3.8	2451	367	1.65		
3.1	3019	452	0.93	FA 87R57	4
4.1	2304	345	1.22	FAF87R57	4
4.7	2003	300	1.41	F 87R57	4
5.6	1663	249	1.70	FF 87R57	4
2.7	3707	255.25	1.95	FA 107	8
3.2	3123	215.04	2.3	FAF107	8
3.4	2894	199.31	2.5	F 107	8
3.8	2594	178.64	2.8	FF 107	8
3.3	3002	276.64	1.35	FA 97	6
3.6	2765	254.79	1.46	FAF97	6
4.0	2456	226.34	1.65	F 97	6
4.8	2045	188.50	2.0	FF 97	6
5.2	1908	175.83	2.1		
5.1	1951	276.64	2.1	FA 97	4
5.5	1797	254.79	2.2	FAF97	4
6.2	1596	226.34	2.5	F 97	4
				FF 97	4
3.3	2951	271.92	0.96		
3.6	2766	254.93	1.02	FA 87	6
4.0	2480	228.57	1.14	FAF87	6
4.6	2136	196.85	1.32	F 87	6
5.1	1942	178.95	1.45	FF 87	6
5.7	1732	159.61	1.63		
5.2	1911	271.92	1.48		
5.5	1798	254.93	1.57		
6.1	1612	228.57	1.75	FA 87	4
7.1	1388	196.85	2.0	FAF87	4
7.8	1262	178.95	2.2	F 87	4
8.8	1126	159.61	2.5	FF 87	4
10	946	134.16	3.0		
11	870	123.29	3.2		
7.1	1399	198.31	1.01		
7.4	1329	188.40	1.06		
8.4	1174	166.47	1.20		
9.8	1003	142.27	1.41	FA 77	4
11	920	130.42	1.53	FAF77	4
12	807	114.45	1.75	F 77	4
13	765	108.46	1.84	FF 77	4
15	670	94.93	2.1		
16	603	85.52	2.3		
19	529	75.02	2.7		
12	853	120.79	0.9		
13	769	109.04	1.0		
15	677	95.94	1.1		
16	639	90.59	1.2		
18	550	77.97	1.4	FA 67	4
21	466	66.13	1.7	FAF67	4
23	421	59.70	1.8	F 67	4
27	371	52.53	2.1	FF 67	4
28	350	49.60	2.2		
33	298	42.23	2.6		
36	271	38.38	2.7		
42	234	33.24	3.0		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
1.1kW					
17	589	83.46	0.96		
19	516	73.16	1.09		
20	482	68.38	1.17	FA 57	4
24	417	59.10	1.35	FAF57	4
28	354	50.22	1.59	F 57	4
31	316	44.84	1.78	FF 57	4
37	270	38.30	2.1		
39	253	35.87	2.2		
46	213	30.22	2.6		
25	396	56.09	0.95		
29	336	47.66	1.12		
33	300	42.55	1.25		
39	256	36.34	1.47	FA 47	4
41	240	34.04	1.57	FAF47	4
46	216	30.64	1.74	F 47	4
48	205	29.11	1.83	FF 47	4
49	202	28.67	1.86		
55	180	25.54	2.1		
65	153	21.66	2.5		
72	138	19.56	2.7		
44	224	31.69	0.84		
50	198	28.09	0.95		
59	168	23.88	1.12		
68	145	20.57	1.30		
73	136	19.27	1.38		
82	120	17.03	1.57		
98	101	14.33	1.86		
109	91	12.87	2.1	FA 37	4
126	78	11.08	2.3	FAF37	4
134	73	10.42	2.4	F 37	4
156	63	8.97	2.6	FF 37	4
175	56	8.01	2.7		
206	48	6.81	2.8		
229	43	6.11	2.9		
266	37	5.27	3.2		
283	35	4.95	3.2		
329	30	4.26	3.4		
367	27	3.81	3.7		
1.5kW					
0.58	22102	2427	0.77		
0.64	19898	2185	0.85		
0.72	17703	1944	0.96		
0.84	15244	1674	1.11	FA 157R97	4
1.1	11911	1308	1.42	FAF157R97	4
1.2	10646	1169	1.59	F 157R97	4
1.5	8679	953	1.95	FF 157R97	4
1.7	7695	845	2.2		
3.1	4062	446	4.2		
4.7	2741	301	6.2		
0.86	14744	1619	0.77		
1.0	12758	1401	0.88	FA 127R77	4
1.1	11201	1230	1.01	FAF127R77	4
1.3	9881	1085	1.14	F 127R77	4
1.5	8533	937	1.32	FF 127R77	4
1.7	7531	827	1.50		
1.9	6675	733	1.69		
2.2	5828	640	1.94		
1.5	8651	950	0.83	FA 107R77	4
1.7	7595	834	0.95	FAF107R77	4
1.9	6702	736	1.08	F 107R77	4
2.2	5710	627	1.26	FF 107R77	4

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输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
1.5kW					
2.5	5100	560	1.42	FA 107R77	4
2.9	4453	489	1.62	FAF107R77	4
3.3	3889	427	1.86	F 107R77	4
3.8	3369	370	2.1	FF 107R77	4
2.6	4863	534	0.83	FA 97R57	4
3.0	4298	472	0.94	FAF97R57	4
3.4	3734	410	1.08	F 97R57	4
3.8	3342	367	1.21	FF 97R57	4
4.1	3142	345	0.90	FA 87R57	4
4.7	2732	300	1.03	FAF87R57	4
5.6	2268	249	1.24	F 87R57	4
				FF 87R57	4
2.7	4981	255.25	1.48	FA 107	8
3.2	4197	215.04	1.76	FAF107	8
3.5	3890	199.31	1.89	F 107	8
3.9	3486	178.64	2.1	FF 107	8
3.6	3736	255.25	2.0	FA 107	6
4.3	3147	215.04	2.3	FAF107	6
4.6	2917	199.31	2.5	F 107	6
5.2	2615	178.64	2.8	FF 107	6
3.3	4049	276.64	1.00	FA 97	6
3.6	3729	254.79	1.08	FAF97	6
4.1	3313	226.34	1.22	F 97	6
4.9	2759	188.50	1.47	FF 97	6
5.2	2574	178.83	1.57		
5.1	2661	276.64	1.52	FA 97	4
5.5	2451	254.79	1.65	FAF97	4
6.2	2177	226.34	1.86	F 97	4
7.4	1813	188.50	2.2	FF 97	4
8.0	1691	178.83	2.4		
5.2	2615	271.92	1.08		
5.5	2452	254.93	1.15		
6.1	2198	228.57	1.28	FA 87	4
7.1	1893	196.85	1.49	FAF87	4
7.8	1721	178.95	1.63	F 87	4
8.8	1535	159.61	1.84	FF 87	4
10	1290	134.16	2.2		
13	1053	109.49	2.7		
14	942	97.89	3.0		
8.4	1601	166.47	0.88		
9.8	1368	142.27	1.03		
11	1254	130.42	1.12		
12	1101	114.45	1.28		
13	1043	108.46	1.35		
15	913	94.93	1.54		
16	823	85.52	1.71	FA 77	4
19	722	75.02	1.95	FAF77	4
19	695	72.29	2.0	F 77	4
21	637	66.28	2.2	FF 77	4
24	559	58.16	2.5		
25	530	55.12	2.7		
29	464	48.24	3.0		
32	418	43.46	3.0		
37	367	38.12	3.4		
38	352	36.52	3.8		
44	303	31.45	4.3		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
1.5kW					
15	871	90.59	0.88		
18	750	77.97	1.03		
21	636	66.13	1.21		
23	574	59.70	1.34		
27	505	52.53	1.53	FA 67	4
28	477	49.60	1.62	FAF67	4
33	406	42.23	1.90	F 67	4
36	369	38.38	1.99	FF 67	4
39	349	36.30	2.2		
44	309	32.08	2.5		
51	264	27.41	2.9		
56	242	25.13	3.2		
24	568	59.10	0.99		
28	483	50.22	1.17	FA 57	4
31	431	44.84	1.31	FAF57	4
37	368	38.30	1.53	F 57	4
39	345	35.87	1.63	FF 57	4
46	291	30.22	1.94		
33	409	42.55	0.92		
39	350	36.34	1.08		
41	327	34.04	1.15		
46	295	30.64	1.28		
48	280	29.11	1.34	FA 47	4
49	276	28.67	1.36	FAF47	4
55	246	25.54	1.53	F 47	4
65	208	21.66	1.80	FF 47	4
72	188	19.56	2.0		
81	166	17.21	2.3		
86	156	16.25	2.4		
101	133	13.83	2.8		
68	198	20.57	0.95		
73	185	19.27	1.01		
82	164	17.03	1.15		
98	138	14.33	1.36		
109	124	12.87	1.52		
126	107	11.08	1.68	FA 37	4
134	100	10.42	1.74	FAF37	4
156	86	8.97	1.91	F 37	4
175	77	8.01	2.1	FF 37	4
206	66	6.81	2.0		
229	59	6.11	2.2		
266	51	5.27	2.3		
283	48	4.95	2.4		
329	41	4.26	2.5		
367	37	3.81	2.7		
2.2kW					
1.00	18699	1420	0.90		
1.09	17224	1308	0.98		
1.21	15394	1169	1.10		
1.49	12549	953	1.35		
1.68	11127	845	1.52	FA 157R97	4
1.86	10061	764	1.68	FAF157R97	4
2.1	8954	680	1.89	F 157R97	4
2.5	7585	576	2.2	FF 157R97	4
3.2	5873	446	2.9		
4.7	3964	301	4.3		
5.2	3582	272	4.7		
6.1	3042	231	5.6		
7.2	2581	196	6.6		
1.31	14288	1085	0.79	FA 127R77	4
1.52	12339	937	0.91	FAF127R77	4
1.72	10890	827	1.04	F 127R77	4
1.94	9652	733	1.17	FF 127R77	4



输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
2.2kW					
2.22	8428	640	1.34	FA 127R77	4
2.62	7137	542	1.58	FAF127R77	4
2.90	6439	489	1.75	F 127R77	4
3.36	5570	428	2.0	FF 127R77	4
2.3	8256	627	0.89		
2.5	7374	560	1.00	FA 107R77	4
2.9	6439	489	1.14	FAF107R77	4
3.3	5623	427	1.31	F 107R77	4
3.9	4767	362	1.55	FF 107R77	4
4.3	4306	327	1.71		
3.9	4833	367	0.84	FA 97R57	4
4.9	3792	288	1.07	FAF97R57	4
5.7	3253	247	1.24	F 97R57	4
				FF 97R57	4
2.8	7100	255.25	1.02	FA 107	8
3.3	5982	215.04	1.21	FAF107	8
3.6	5544	199.31	1.30	F 107	8
4.0	4969	178.64	1.45	FF 107	8
3.7	5363	255.25	1.35	FA 107	6
4.4	4518	215.04	1.60	FAF107	6
4.7	4188	199.31	1.72	F 107	6
5.3	3753	178.64	1.92	FF 107	6
5.6	3550	255.25	2.0	FA 107	4
6.6	2991	215.04	2.4	FAF107	4
7.1	2772	199.31	2.6	F 107	4
7.9	2485	178.64	2.9	FF 107	4
4.2	4755	226.34	0.85	FA 97	6
5.0	3960	188.50	1.02	FAF97	6
5.3	3694	175.83	1.09	F 97	6
6.0	3302	157.16	1.22	FF 97	6
5.1	3848	276.64	1.05		
5.6	3544	254.79	1.14		
6.3	3148	226.34	1.28	FA 97	4
7.5	2622	188.50	1.54	FAF97	4
8.1	2445	175.83	1.65	F 97	4
9.0	2186	157.16	1.85	FF 97	4
10	1968	141.47	2.1		
11	1782	128.12	2.3		
7.2	2738	196.85	1.03		
7.9	2489	178.95	1.13		
8.9	2220	159.61	1.27		
11	1866	134.16	1.51		
12	1715	123.29	1.64		
13	1523	109.49	1.85	FA 87	4
15	1361	97.89	2.1	FAF87	4
16	1224	88.01	2.3	F 87	4
19	1062	76.39	2.7	FF 87	4
21	951	68.40	3.0		
25	789	56.75	3.6		
28	699	50.29	4.0		
31	629	45.22	4.2		
12	1592	114.45	0.89		
13	1508	108.46	0.93		
15	1320	94.93	1.07	FA 77	4
17	1189	85.52	1.19	FAF77	4
19	1043	75.02	1.35	F 77	4
21	922	66.28	1.53	FF 77	4
24	809	58.16	1.74		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
2.2kW					
26	767	55.12	1.84		
29	671	48.24	2.1	FA 77	4
33	604	43.46	2.1	FAF77	4
39	509	36.52	2.3	F 77	4
45	438	31.45	3.0	FF 77	4
49	400	28.59	3.4		
56	355	25.50	4.0		
24	830	59.70	0.93		
27	731	52.53	1.06		
29	690	49.60	1.12		
34	587	42.23	1.31		
37	534	38.38	1.37	FA 67	4
43	462	33.24	1.50	FAF67	4
44	446	32.08	1.73	F 67	4
52	381	27.41	2.0	FF 67	4
57	350	25.13	2.2		
64	307	22.05	2.5		
68	291	20.90	2.7		
78	254	18.29	3.0		
32	624	44.84	0.90		
37	533	38.30	1.06		
40	499	35.87	1.13		
47	420	30.22	1.32	FA 57	4
57	347	24.96	1.56	FAF57	4
67	294	21.17	1.92	F 57	4
74	266	19.11	2.1	FF 57	4
84	234	16.81	2.4		
89	221	15.88	2.6		
56	355	25.54	1.06		
66	301	21.66	1.25		
73	272	19.56	1.38		
83	239	17.21	1.57	FA 47	4
87	226	16.25	1.66	FAF47	4
103	192	13.83	1.95	F 47	4
113	175	12.57	2.2	FF 47	4
130	151	10.89	2.5		
156	126	9.08	2.5		
99	199	14.33	0.94		
110	179	12.87	1.05		
128	154	11.08	1.16		
136	145	10.42	1.20		
158	125	8.97	1.32	FA 37	4
177	111	8.01	1.39	FAF37	4
209	95	6.81	1.43	F 37	4
232	85	6.11	1.49	FF 37	4
269	73	5.27	1.60		
287	69	4.95	1.64		
333	59	4.26	1.75		
373	53	3.81	1.86		
3kW					
1.2	20991	1169	0.81		
1.5	17113	953	0.99		
1.7	15173	845	1.12	FA 157R97	4
1.9	13719	764	1.23	FAF157R97	4
2.1	12211	680	1.39	F 157R97	4
2.5	10343	576	1.64	FF 157R97	4
3.2	8009	446	2.1		
4.7	5405	304	3.1		
5.2	4884	272	3.5		
6.1	4148	231	4.1		
7.2	3520	196	4.8		

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输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
3kW					
1.9	13162	733	0.86	FA 127R77	4
2.2	11492	640	0.98	FAF127R77	4
2.6	9733	542	1.16	F 127R77	4
2.9	8781	489	1.28	FF 127R77	4
3.3	7668	427	0.96	FA 107R77	4
3.9	6500	362	1.13	FAF107R77	4
4.3	5872	327	1.26	F 107R77	4
5.0	5118	285	1.44	FF 107R77	4
3.8	7161	255.25	1.03	FA 107	6
4.5	6033	215.04	1.22	FAF107	6
4.8	5591	199.31	1.32	F 107	6
5.4	5011	178.64	1.47	FF 107	6
5.6	4841	255.25	1.52	FA 107	4
6.6	4078	215.04	1.81	FAF107	4
7.1	3780	199.31	1.95	F 107	4
7.9	3388	178.64	2.2	FF 107	4
8.8	3059	161.28	2.4		
6.3	4293	226.34	0.94		
7.5	3575	188.50	1.13		
8.1	3335	175.83	1.21	FA 97	4
9.0	2981	157.16	1.36	FAF97	4
10	2683	141.47	1.51	F 97	4
11	2430	128.12	1.66	FF 97	4
12	2155	113.61	1.88		
14	1948	102.72	2.1		
16	1721	90.77	2.3		
11	2544	134.16	1.11		
12	2338	123.29	1.21		
13	2077	109.49	1.36		
15	1857	97.89	1.52	FA 87	4
16	1669	88.01	1.69	FAF87	4
19	1449	76.39	1.9	F 87	4
21	1297	68.40	2.2	FF 87	4
25	1076	56.75	2.6		
28	954	50.29	2.9		
17	1622	85.52	0.87		
19	1423	75.02	0.99		
21	1257	66.28	1.12		
24	1103	58.16	1.28		
26	1045	55.12	1.35	FA 77	4
29	915	48.24	1.5	FAF77	4
33	824	43.46	1.54	F 77	4
37	723	38.12	1.71	FF 77	4
39	694	36.52	1.95		
45	598	31.45	2.2		
49	545	28.59	2.5		
56	484	25.50	2.9		
66	406	21.43	3.5		
33	819	43.20	0.94		
36	745	39.26	0.98		
42	645	34.01	1.08		
44	608	32.08	1.27	FA 67	4
52	520	27.41	1.48	FAF67	4
57	477	25.13	1.62	F 67	4
64	418	22.05	1.84	FF 67	4
68	396	20.90	1.94		
78	347	18.29	2.2		
86	313	16.48	2.5		
98	274	14.46	2.8		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
3kW					
57	473	24.96	1.19		
67	401	21.17	1.40		
74	362	19.11	1.56	FA 57	4
84	319	16.81	1.77	FAF57	4
89	301	15.88	1.87	F 57	4
105	256	13.52	2.2	FF 57	4
116	233	12.29	2.4		
133	202	10.64	2.8		
73	371	19.56	1.01		
83	326	17.21	1.15	FA 47	4
87	308	16.25	1.22	FAF47	4
103	262	13.83	1.43	F 47	4
113	238	12.57	1.58	FF 47	4
130	207	10.89	1.80		
156	172	9.08	1.82		
128	210	11.08	0.85		
136	198	10.42	0.88		
158	170	8.97	0.97		
177	152	8.01	1.02	FA 37	4
209	129	6.81	1.05	FAF37	4
232	116	6.11	1.10	F 37	4
269	100	5.27	1.18	FF 37	4
287	94	4.95	1.20		
333	81	4.26	1.28		
373	72	3.81	1.37		
4kW					
1.7	19950	845	0.85		
1.9	18038	764	0.94		
2.1	16055	680	1.05	FA 157R97	4
2.5	13599	576	1.24	FAF157R97	4
3.2	10530	446	1.61	F 157R97	4
4.8	7107	304	2.4	FF 157R97	4
5.3	6422	272	2.6		
6.2	5454	231	3.1		
7.3	4628	196	3.7		
2.7	12796	542	0.88	FA 127R77	4
2.9	11545	489	0.98	FAF127R77	4
3.4	9987	423	1.13	F 127R77	4
3.9	8759	371	1.29	FF 127R77	4
4.4	7720	327	0.94	FA 107R77	4
5.1	6729	285	1.07	FAF107R77	4
6.5	5218	221	1.38	F 107R77	4
				FF 107R77	4
4.2	8594	172.33	1.31	FA 127	8
4.6	7721	154.81	1.46	FAF127	8
5.7	6269	125.71	1.80	F 127	8
				FF 127	8
5.6	6365	255.25	1.16		
6.7	5363	215.04	1.37	FA 107	4
7.2	4970	199.31	1.48	FAF107	4
8.1	4455	178.64	1.65	F 107	4
8.9	4022	161.28	1.83	FF 107	4
9.8	3653	146.49	2.02		
11	3241	129.97	2.3		
12	2941	117.94	2.5		
14	2528	101.38	2.9		



F

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
4kW					
8.2	4385	175.83	0.92		
9.2	3919	157.16	1.03		
10	3528	141.47	1.15		
11	3195	128.12	1.27	FA 97	4
13	2833	113.61	1.43	FAF97	4
14	2561	102.72	1.58	F 97	4
15	2427	97.31	1.67	FF 97	4
16	2263	90.77	1.79		
18	2023	81.13	2.0		
20	1821	73.03	2.2		
22	1649	66.14	2.5		
13	2730	109.49	1.03		
15	2441	97.89	1.16		
16	2195	88.01	1.28	FA 87	4
19	1905	76.39	1.48	FAF87	4
21	1706	68.40	1.65	F 87	4
25	1415	56.75	1.99	FF 87	4
29	1254	50.29	2.2		
32	1128	45.22	2.5		
22	1653	66.28	0.85		
25	1450	58.16	0.97		
26	1374	55.12	1.03		
30	1203	48.24	1.17		
33	1084	43.46	1.30		
38	951	38.12	1.48	FA 77	4
43	839	33.64	1.68	FAF77	4
48	744	29.82	1.90	F 77	4
50	717	28.59	1.97	FF 77	4
56	636	25.50	2.2		
57	635	25.47	2.2		
67	534	21.43	2.6		
73	491	19.70	2.9		
53	683	27.41	1.13		
57	627	25.13	1.23		
65	550	22.05	1.40		
69	521	20.90	1.48		
79	456	18.29	1.69		
87	411	16.48	1.88		
100	361	14.46	2.1	FA 67	4
113	318	12.76	2.4	FAF67	4
127	282	11.31	2.7	F 67	4
149	241	9.66	3.2	FF 67	4
150	240	9.61	2.1		
158	227	9.11	2.4		
181	199	7.97	2.9		
201	179	7.18	3.3		
229	157	6.30	3.6		
259	139	5.56	4.0		
292	123	4.93	4.3		
342	105	4.21	4.5		
68	528	21.17	1.07		
75	477	19.11	1.18		
86	419	16.81	1.35		
91	396	15.88	1.42		
107	337	13.52	1.67		
117	306	12.29	1.84	FA 57	4
135	265	10.64	2.1	FAF57	4
155	232	9.31	1.70	F 57	4
176	204	8.19	1.93	FF 57	4
186	193	7.73	2.0		
219	164	6.58	2.4		
241	149	5.98	2.6		
278	129	5.18	3.0		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
5.5kW					
2.5	18699	576	0.90		
2.9	16329	503	1.04		
3.2	14479	446	1.17		
4.1	11460	353	1.48	FA 157R97	4
4.8	9771	301	1.73	FAF157R97	4
5.3	8830	272	1.92	F 157R97	4
6.2	7499	231	2.3	FF 157R97	4
7.1	6558	202	2.6		
7.3	6363	196	2.7		
3.5	13537	417	0.83		
3.9	12109	373	0.93	FA 127R87	4
4.6	10129	312	1.11	FAF127R87	4
4.9	9512	293	1.19	F 127R87	4
5.5	8505	262	1.33	FF 127R87	4
6.4	7337	226	1.54		
				FA 127R77	4
3.4	13732	423	0.82	FAF127R77	4
3.9	12044	371	0.94	F 127R77	4
				FF 127R77	4
2.7	18293	266.76	0.92		
3.3	14977	218.40	1.1		
4.0	12149	177.17	1.4		
4.4	11269	164.33	1.5		
5.1	9724	141.80	1.7	FA 157	8
5.8	8581	125.14	2.0	FAF157	8
6.6	7440	108.49	2.3	F 157	8
7.5	6619	96.53	2.6	FF 157	8
8.3	5959	86.90	2.8		
9.1	5450	79.47	3.1		
10	4742	69.15	3.6		
4.2	11817	172.33	0.95	FA 127	8
4.7	10616	154.81	1.06	FAF127	8
5.7	8620	125.71	1.31	F 127	8
6.2	7555	116.00	1.42	FF 127	8
6.7	7373	215.04	0.98		
7.2	6834	199.31	1.06	FA 107	4
8.1	6125	178.64	1.18	FAF107	4
8.9	5530	161.28	1.31	F 107	4
9.8	5023	146.49	1.44	FF 107	4
11	4456	129.97	1.62		
12	4044	117.94	1.79		
14	3476	101.38	2.1	FA 107	4
16	3171	92.47	2.3	FAF107	4
16	3034	88.49	2.4	F 107	4
17	2880	83.99	2.5	FF 107	4
11	4393	128.12	0.92		
13	3895	113.61	1.04		
14	3522	102.72	1.15		
15	3336	97.31	1.21		
16	3112	90.77	1.30	FA 97	4
17	2985	87.06	1.35	FAF97	4
18	2782	81.13	1.45	F 97	4
19	2620	76.40	1.54	FF 97	4
21	2504	73.03	1.68		
22	2268	66.14	1.78		
25	2011	58.65	2.0		
27	1818	53.03	2.2		
16	3018	88.01	0.93	FA 87	4
19	2619	76.39	1.08	FAF87	4
21	2345	68.40	1.20	F 87	4
25	1946	56.75	1.45	FF 87	4

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输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
5.5kW					
29	1724	50.29	1.64		
32	1550	45.22	1.82		
37	1346	39.25	2.1	FA 87	4
41	1205	35.14	2.3	FAF87	4
49	1000	29.16	2.8	F 87	4
42	1170	34.11	2.1	FF 87	4
51	974	28.41	2.4		
54	909	26.50	3.1		
61	812	23.68	3.5		
30	1654	48.24	0.85		
33	1490	43.46	0.95		
38	1307	38.12	1.08		
43	1153	33.64	1.22		
48	1022	29.82	1.38	FA 77	4
56	874	25.50	1.61	FAF77	4
57	873	25.47	1.61	F 77	4
67	735	21.43	1.92	FF 77	4
73	675	19.70	2.1		
82	600	17.49	2.4		
92	536	15.64	2.6		
102	482	14.06	2.9		
118	418	12.20	3.4		
65	756	22.05	1.02		
69	717	20.9	1.08		
79	627	18.29	1.23		
87	565	16.48	1.36		
100	496	14.46	1.50		
113	438	12.76	1.55	FA 67	4
127	388	11.31	1.70	FAF67	4
149	331	9.66	1.76	F 67	4
150	329	9.61	2.0	FF 67	4
158	312	9.11	2.1		
181	273	7.97	2.3		
201	246	7.18	2.4		
229	216	6.30	2.7		
259	191	5.56	2.9		
292	169	4.93	3.1		
342	144	4.21	3.3		
86	576	16.81	0.98		
91	544	15.88	1.04		
107	464	13.52	1.22		
117	421	12.29	1.34	FA 57	4
135	365	10.64	1.55	FAF57	4
176	281	8.19	1.41	F 57	4
186	265	7.73	1.49	FF 57	4
219	226	6.58	1.75		
241	205	5.98	1.93		
278	178	5.18	2.2		
7.5kW					
4.6	13812	312	0.82	FA 127R87	4
4.9	12971	293	0.87	FAF127R87	4
5.5	11598	262	0.97	F 127R87	4
6.4	10005	226	1.13	FF 127R87	4
7.2	8854	200	1.27		
3.3	20350	217.62	0.83		
4.0	16664	178.20	1.02		
4.4	15238	162.96	1.11	FA 157	8
5.1	13260	141.80	1.28	FAF157	8
5.8	11702	125.14	1.45	F 157	8
6.6	10145	108.49	1.67	FF 157	8
7.5	9027	96.53	1.87		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
7.5kW					
8.4	8023	85.80	2.1		
9.2	7337	78.46	2.3	FA 157	8
10.5	6385	68.28	2.7	FAF157	8
12	5634	60.25	3.0	F 157	8
13.8	4885	52.24	3.5	FF 157	8
15.5	4346	46.48	3.9		
18	3746	40.06	4.5		
3.6	18709	266.76	0.90		
4.4	15317	218.40	1.11		
5.4	12425	177.17	1.36		
5.8	11525	164.33	1.47		
6.8	9945	141.80	1.70		
7.7	8776	125.14	1.93	FA 157	6
8.8	7609	108.49	2.2	FAF157	6
9.9	6770	96.53	2.5	F 157	6
11	6095	86.90	2.8	FF 157	6
12	5573	79.47	3.0		
14	4850	69.15	3.5		
16	4280	61.02	4.0		
18	3711	52.91	4.6		
5.7	11816	126.36	0.95	FA 127	8
6.2	10776	115.24	1.05	FAF127	8
7.2	9326	99.73	1.21	F 127	8
8.2	8229	88.00	1.37	FF 127	8
5.6	12086	172.33	0.93	FA 127	6
6.2	10857	154.81	1.04	FAF127	6
7.6	8816	125.71	1.28	F 127	6
8.3	8135	116.00	1.39	FF 127	6
8.5	7947	172.33	1.42	FA 127	4
9.4	7139	154.81	1.58	FAF127	4
12	5797	125.71	1.95	F 127	4
				FF 127	4
8.2	8238	178.64	0.88		
9.1	7437	161.28	0.97		
10	6755	146.49	1.07		
11	5994	129.97	1.20		
12	5439	117.94	1.33	FA 107	4
14	4675	101.38	1.54	FAF107	4
16	4264	92.47	1.69	F 107	4
16	4081	88.49	1.77	FF 107	4
17	3873	83.99	1.86		
20	3436	74.52	2.1		
22	3118	67.62	2.3		
15	4487	97.31	0.90		
16	4186	90.77	0.97		
17	4015	87.06	1.01		
18	3741	81.13	1.08		
19	3523	76.40	1.15		
21	3229	70.03	1.25	FA 97	4
22	3050	66.14	1.33	FAF97	4
25	2705	58.65	1.49	F 97	4
28	2445	53.03	1.65	FF 97	4
32	2072	44.94	1.95		
33	2023	43.87	2.0		
37	1810	39.26	2.2		
40	1704	36.96	2.4		
43	1580	34.26	2.6		
44	1514	32.83	2.7		
48	1416	30.70	2.9		



F

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
7.5kW					
26	2617	56.75	1.08		
29	2319	50.29	1.19		
32	2085	45.22	1.27		
37	1810	39.25	1.41		
42	1620	35.14	1.51		
50	1345	29.16	1.75	FA 87	4
51	1327	28.41	1.74	FAF87	4
55	1222	26.50	2.3	F 87	4
62	1092	23.68	2.6	FF 87	4
68	983	21.32	2.9		
76	890	19.31	3.2		
85	789	17.12	3.6		
94	714	15.48	4.0		
43	1551	33.64	0.91		
49	1375	29.82	1.03		
57	1176	25.50	1.16		
57	1175	25.47	1.20		
68	988	21.43	1.43		
74	908	19.70	1.55		
83	807	17.49	1.75		
93	721	15.64	1.95	FA 77	4
104	648	14.06	2.2	FAF77	4
120	563	12.20	2.5	F 77	4
134	504	10.93	2.8	FF 77	4
156	431	9.35	2.4		
176	383	8.30	2.7		
197	342	7.42	3.0		
219	308	6.67	3.3		
252	267	5.79	3.8		
281	239	5.19	4.2		
340	198	4.30	4.8		
11kW					
4.9	19275	301	0.88	FA 157R97	4
5.4	17418	272	0.97	FAF157R97	4
6.3	14793	231	1.14	F 157R97	4
7.2	12936	202	1.31	FF 157R97	4
7.4	12551	196	1.35		
6.5	14472	226	0.78	FA 127R87	4
7.3	12807	200	0.88	FAF127R87	4
8.7	10758	168	1.05	F 127R87	4
				FF 127R87	4
5.1	19181	141.80	0.88	FA 157	8
5.8	16928	125.14	1.00	FAF157	8
6.7	14675	108.49	1.15	F 157	8
7.6	13058	96.53	1.30	FF 157	8
5.5	18036	177.17	0.94		
5.9	16729	164.33	1.01		
6.8	14435	141.80	1.17	FA 157	6
7.8	12739	125.14	1.33	FAF157	6
8.9	11044	108.49	1.53	F 157	6
10	9827	96.53	1.72	FF 157	6
11	8847	86.90	1.91		
12	8090	79.47	2.1		
5.5	18042	266.76	0.94		
6.7	14776	218.46	1.15		
8.2	12053	177.17	1.40	FA 157	4
8.9	11114	164.33	1.52	FAF157	4
10	9591	141.80	1.76	F 157	4
12	8464	125.14	2.0	FF 157	4
13	7338	108.49	2.3		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
11kW					
15	6529	96.53	2.6	FA 157	4
17	5877	86.90	2.9	FAF157	4
18	5375	79.47	3.1	F 157	4
21	4677	69.15	3.6	FF 157	4
7.7	12864	125.71	0.88		
8.4	11732	116.00	0.96	FA 127	6
10	10153	99.73	1.11	FAF127	6
11	8958	88.00	1.26	F 127	6
13	7737	76.00	1.46	FF 127	6
8.5	11656	172.33	0.97		
9.4	10471	154.81	1.08		
12	8502	125.71	1.33	FA 127	4
13	7846	116.00	1.44	FAF127	4
15	6745	99.73	1.67	F 127	4
17	5952	88.00	1.90	FF 127	4
19	5140	76.00	2.2		
12	7977	117.94	0.91		
14	6857	101.38	1.05		
16	6254	92.47	1.15		
17	5681	83.99	1.27		
20	5040	74.52	1.43	FA 107	4
22	4573	67.62	1.58	FAF107	4
25	3931	58.12	1.84	F 107	4
29	3431	50.73	2.1	FF 107	4
34	2910	43.03	2.5		
43	2285	33.78	3.2		
53	1855	27.43	3.9		
58	1712	25.31	4.2		
22	4473	66.14	0.90		
25	3967	58.65	1.02		
28	3587	53.03	1.13		
32	3040	44.94	1.33	FA 97	4
37	2655	39.26	1.52	FAF97	4
43	2317	34.26	1.74	F 97	4
44	2220	32.83	1.82	FF 97	4
48	2076	30.70	1.95		
53	1875	27.72	2.2		
58	1703	25.18	2.4		
65	1511	22.34	2.7		
37	2655	39.25	0.96		
42	2377	35.14	1.03		
50	1972	29.16	1.20		
55	1792	26.50	1.57	FA 87	4
62	1602	23.68	1.76	FAF87	4
68	1442	21.32	1.96	F 87	4
76	1306	19.31	2.16	FF 87	4
85	1158	17.12	2.4		
94	1047	15.48	2.7		
111	887	13.12	3.2		
74	1332	19.70	1.06		
83	1183	17.49	1.19		
93	1058	15.64	1.33		
104	951	14.06	1.48		
120	825	12.20	1.61		
134	739	10.93	1.71	FA 77	4
156	632	9.35	1.81	FAF77	4
176	561	8.30	1.91	F 77	4
197	502	7.42	2.0	FF 77	4
219	451	6.67	2.3		
252	392	5.79	2.6		
281	351	5.19	2.9		
340	291	4.30	3.3		

F

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
15kW					
				FA 157R97	4
6.3	20172	231	0.84	FAF157R97	4
7.2	17639	202	0.96	F 157R97	4
7.4	17115	196	0.99	FF 157R97	4
6.8	19685	141.80	0.86		
7.8	17372	125.14	0.97	FA 157	6
8.9	15061	108.49	1.12	FAF157	6
10	13400	96.53	1.26	F 157	6
11	12063	86.90	1.40	FF 157	6
6.7	20143	218.40	0.84		
8.2	16340	177.17	1.04		
8.9	15156	164.33	1.12		
10	13078	141.80	1.29		
12	11542	125.14	1.47	FA 157	4
13	10006	108.49	1.69	FAF157	4
15	8903	96.53	1.90	F 157	4
17	8015	86.90	2.1	FF 157	4
18	7329	79.47	2.3		
21	6378	69.15	2.7		
24	5628	61.02	3.0		
9.7	13844	99.73	0.81		
11	12216	88.00	0.92	FA 127	6
13	10550	76.00	1.07	FAF127	6
14	9803	70.62	1.15	F 127	6
15	8941	64.41	1.26	FF 127	6
12	11594	125.71	0.97		
13	10699	116.00	1.05	FA 127	4
15	9198	99.73	1.23	FAF127	4
17	8116	88.00	1.39	F 127	4
19	7009	76.00	1.61	FF 127	4
21	6513	70.62	1.73		
16	8528	92.47	0.85		
16	8161	88.49	0.88		
17	7746	83.99	0.93		
20	6873	74.52	1.05		
22	6237	67.62	1.16	FA 107	4
25	5360	58.12	1.35	FAF107	4
29	4679	50.73	1.54	F 107	4
34	3969	43.03	1.82	FF 107	4
39	3469	37.61	2.1		
43	3116	33.78	2.3		
46	2933	31.80	2.5		
53	2530	27.43	2.8		
58	2334	25.31	3.1		
67	2007	21.76	3.6		
32	4145	44.94	0.98		
37	3621	39.26	1.12		
43	3160	34.26	1.28		
44	3028	32.83	1.33		
48	2831	30.70	1.43	FA 97	4
53	2557	27.72	1.58	FAF97	4
58	2322	25.18	1.74	F 97	4
65	2060	22.34	1.96	FF 97	4
72	1869	20.27	2.2		
84	1607	17.42	2.5		
96	1403	15.21	2.9		
113	1190	12.90	3.4		
129	1040	11.28	3.9		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
15kW					
55	2444	26.50	1.15		
62	2184	23.68	1.29		
68	1966	21.32	1.43		
76	1781	19.31	1.58		
85	1579	17.12	1.79		
94	1428	15.48	1.84		
111	1210	13.12	1.98	FA 87	4
127	1057	11.46	2.1	FAF87	4
152	884	9.58	2.3	F 87	4
173	780	8.46	2.5	FF 87	4
195	692	7.50	2.7		
215	625	6.78	2.8		
254	530	5.75	2.8		
291	463	5.02	3.1		
348	387	4.20	3.5		
18.5kW					
				FA 157R97	4
7.3	21607	202	0.78	FAF157R97	4
7.5	20965	196	0.81	F 157R97	4
				FF 157R97	4
8.3	20016	177.17	0.85		
8.9	18565	164.33	0.91		
10	16020	141.80	1.06		
12	14138	125.14	1.20		
14	12257	108.49	1.38	FA 157	4
15	10906	96.53	1.55	FAF157	4
17	9818	86.90	1.72	F 157	4
18	8978	79.47	1.88	FF 157	4
21	7812	69.15	2.2		
24	6894	61.02	2.5		
28	5978	52.91	2.8		
13	13105	116.00	0.86		
15	11267	99.73	1.00		
17	9942	88.00	1.13	FA 127	4
19	8586	76.00	1.31	FAF127	4
21	7978	70.62	1.41	F 127	4
23	7277	64.41	1.55	FF 127	4
26	6297	55.74	1.79		
30	5557	49.19	2.0		
20	8419	74.52	0.86		
22	7639	67.62	0.94		
25	6566	58.12	1.10		
29	5731	50.73	1.26		
34	4861	43.03	1.49	FA 107	4
39	4249	37.61	1.70	FAF107	4
44	3817	33.78	1.89	F 107	4
46	3593	31.80	2.0	FF 107	4
53	3099	27.43	2.3		
58	2859	25.31	2.5		
68	2458	21.76	2.9		
37	4435	39.26	0.91		
45	3709	32.83	1.09		
53	3132	27.72	1.29		
58	2845	25.18	1.42	FA 97	4
66	2524	22.34	1.60	FAF97	4
73	2290	20.27	1.77	F 97	4
84	1274	17.42	2.35	FF 97	4
97	1718	15.21	2.77		
114	1457	12.90	3.17		
130	1274	11.28	3.17		



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输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
18.5kW					
69	2409	21.32	1.17		
76	2182	19.31	1.29		
86	1934	17.12	1.46		
95	1749	15.48	1.50		
112	1482	13.12	1.61		
128	1295	11.46	1.70	FA 87	4
153	1082	9.58	1.80	FAF87	4
174	956	8.46	1.88	F 87	4
196	847	7.50	1.90	FF 87	4
217	766	6.78	2.0		
256	650	5.75	2.2		
296	567	5.02	2.5		
350	474	4.20	2.9		
22kW					
10	19654	96.53	0.86	FA 157	6
11	17693	86.90	0.96	FAF157	6
12	16180	79.47	1.05	F 157	6
14	14079	69.15	1.20	FF 157	6
10	19051	141.80	0.89		
12	16813	125.14	1.01		
14	14576	108.49	1.16		
15	12969	96.53	1.30		
17	11675	86.90	1.45	FA 157	4
18	10677	79.47	1.58	FAF157	4
21	9290	69.15	1.82	F 157	4
24	8198	61.02	2.1	FF 157	4
28	7108	52.91	2.4		
31	6324	47.07	2.7		
36	5451	40.57	3.1		
45	4430	32.97	3.8		
15	13399	99.73	0.84		
17	11823	88.00	0.95		
19	10211	76.00	1.10	FA 127	4
21	9488	70.62	1.19	FAF127	4
23	8653	64.41	1.30	F 127	4
26	7489	55.74	1.51	FF 127	4
30	6609	49.19	1.71		
35	5707	42.48	1.98		
25	7808	58.12	0.92		
29	6816	50.73	1.06		
34	5781	43.03	1.25		
39	5053	37.61	1.43	FA 107	4
44	4540	33.78	1.59	FAF107	4
46	4272	31.08	1.69	F 107	4
54	3685	27.43	1.96	FF 107	4
58	3400	25.31	2.1		
68	2923	21.76	2.5		
77	2580	19.20	2.8		
53	3724	27.72	1.09		
58	3383	25.18	1.19		
66	3001	22.34	1.35	FA 97	4
73	2723	20.27	1.48	FAF97	4
84	2340	17.42	1.73	F 97	4
97	2043	15.21	2.0	FF 97	4
114	1733	12.90	2.3		
130	1515	11.28	2.7		
69	2864	21.32	0.98	FA 87	4
76	2594	19.31	1.09	FAF87	4
86	2300	17.12	1.23	F 87	4
95	2080	15.48	1.36	FF 87	4

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
22kW					
112	1763	13.12	1.27		
128	1540	11.46	1.43		
153	1287	9.58	1.58		
174	1137	8.46	1.60	FA 87	4
196	1008	7.50	1.70	FAF87	4
217	911	6.78	1.83	F 87	4
256	773	5.75	1.86	FF 87	4
293	674	5.02	2.1		
350	564	4.20	2.4		
30kW					
14	19876	108.49	0.85		
15	17685	96.53	0.96		
17	15920	86.90	1.06		
18	14559	79.47	1.16	FA 157	4
21	12669	69.15	1.34	FAF157	4
24	11179	61.02	1.51	F 157	4
28	9693	52.91	1.75	FF 157	4
31	8623	47.07	2.0		
36	7433	40.57	2.3		
19	13924	76.00	0.81		
21	12938	70.62	0.87		
23	11800	64.41	0.96		
26	10212	55.74	1.10		
30	9012	49.19	1.25	FA 127	4
35	7783	42.48	1.45	FAF127	4
39	6883	37.57	1.58	F 127	4
47	5786	31.58	1.6	FF 127	4
54	4961	26.92	1.95		
58	4672	25.50	2.4		
59	4536	24.97	2.8		
68	3948	21.55	2.9		
77	3483	19.01	3.2		
34	7883	43.03	0.92		
39	6890	37.61	1.05		
46	5826	31.80	1.24		
54	5025	27.43	1.44	FA 107	4
58	4637	25.31	1.56	FAF107	4
68	3987	21.76	1.81	F 107	4
77	3518	19.20	2.1	FF 107	4
89	3038	16.58	2.4		
100	2688	14.67	2.7		
119	2259	12.33	2.9		
148	1825	9.96	3.3		
66	4093	22.34	0.99		
73	3714	20.27	1.09		
84	3191	17.42	1.27		
97	2787	15.21	1.31		
114	2363	12.90	1.44	FA 97	4
130	2067	11.28	1.45	FAF97	4
159	1698	9.27	1.67	F 97	4
175	1541	8.41	1.83	FF 97	4
203	1325	7.23	1.85		
233	1156	6.31	1.86		
275	980	5.35	2.1		
314	857	4.68	2.2		

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输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
37kW					
17	19503	86.90	0.87		
19	17835	79.47	0.95		
21	15519	69.15	1.09	FA 157	4
24	13694	61.02	1.24	FAF157	4
28	11874	52.91	1.42	F 157	4
31	10564	47.07	1.60	FF 157	4
36	9105	40.57	1.86		
45	7399	32.97	2.3		
53	6275	27.96	2.7		
15	22261	99.19	0.51		
27	12509	55.74	0.90		
35	9534	42.48	1.18		
39	8432	37.57	1.31		
47	7087	31.58	1.34		
55	6077	26.92	1.86		
60	5557	24.97	1.45	FA 127	4
69	4836	21.55	2.3	FAF127	4
78	4266	19.01	2.4	F 127	4
90	3699	16.48	2.8	FF 127	4
101	3292	14.67	3.1		
117	2837	12.64	3.2		
144	2305	10.27	3.3		
169	1966	8.76	3.3		
190	1748	7.79	3.9		
54	6156	27.43	1.20		
58	5680	25.31	1.30		
68	4883	21.76	1.51		
77	4309	19.20	1.7		
89	3721	16.58	2.0	FA 107	4
101	3292	14.67	2.1	FAF107	4
120	2767	12.33	2.2	F 107	4
149	2235	9.96	2.3	FF 107	4
153	2166	9.65	2.4		
177	1872	8.34	2.6		
201	1654	7.37	2.7		
239	1391	6.20	3.1		
45kW					
21	18874	69.15	0.90		
24	16655	61.02	1.02	FA 157	4
28	14442	52.91	1.17	FAF157	4
31	12848	47.07	1.32	F 157	4
36	11074	40.57	1.53	FF 157	4
45	8999	32.97	1.88		
53	7632	27.96	2.2		
30	13426	49.19	0.84		
35	11595	42.48	0.97		
39	10255	37.57	1.08		
47	8620	31.58	1.10		
55	7391	26.92	1.18		
58	6960	25.50	1.31		
60	6758	24.97	1.62	FA 127	4
69	5882	21.55	1.92	FAF127	4
78	5189	19.01	2.0	F 127	4
90	4498	16.48	2.3	FF 127	4
101	4004	14.67	2.6		
117	3450	12.64	2.7		
144	2803	10.27	2.8		
169	2391	8.76	2.9		
190	2126	7.79	3.2		
220	1834	6.72	3.6		
271	1490	5.46	3.8		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
45kW					
54	7525	27.57	0.98		
59	6862	25.14	1.07		
68	5939	21.76	1.24		
77	5241	19.2	1.41		
89	4525	16.58	1.63	FA 107	4
101	4004	14.67	1.80	FAF107	4
120	3365	12.33	1.90	F 107	4
149	2719	9.96	2.0	FF 107	4
153	2634	9.65	2.1		
177	2276	8.34	2.2		
201	2012	7.37	2.3		
239	1692	6.20	2.6		
55kW					
24	20357	61.02	0.83		
28	17651	52.91	0.96		
31	15703	47.07	1.08		
36	13534	40.57	1.25	FA 157	4
45	10999	32.97	1.54	FAF157	4
53	9328	27.96	1.66	F 157	4
58	8484	25.43	1.81	FF 157	4
67	7393	22.16	2.3		
75	6595	19.77	2.4		
88	5621	16.85	3.0		
39	12534	37.57	0.90		
47	10535	31.58	1.07		
58	8507	25.5	1.33		
69	7189	21.55	1.57		
78	6342	19.01	1.63		
90	5498	16.48	1.88	FA 127	4
101	4894	14.67	2.1	FAF127	4
117	4217	12.64	2.2	F 127	4
144	3426	10.27	2.3	FF 127	4
169	2922	8.76	2.4		
190	2599	7.79	2.6		
220	2242	6.72	2.9		
271	1821	5.46	3.1		
320	1545	4.63	3.7		
75kW					
31	21413	47.07	0.79		
36	18456	40.57	0.92		
45	14999	32.97	1.13		
53	12719	27.96	1.22	FA 157	4
58	11569	25.43	1.33	FAF157	4
67	10081	22.16	1.68	F 157	4
75	8994	19.77	1.78	FF 157	4
88	7665	16.85	2.2		
106	6351	13.96	2.5		
124	5423	11.92	2.8		
58	11600	25.50	0.97		
69	9803	21.55	1.2		
78	8648	19.01	1.2		
90	7497	16.48	1.4		
101	6674	14.67	1.5	FA 127	4
117	5750	12.64	1.6	FAF127	4
144	4672	10.27	1.6	F 127	4
169	3985	8.76	1.7	FF 127	4
190	3544	7.79	1.9		
220	3057	6.72	2.2		
271	2484	5.46	2.3		
320	2106	4.63	2.7		



输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
90kW					
45	17998	32.97	0.94		
53	15263	27.96	1.02		
58	13882	25.43	1.11	FA 157	4
67	12097	22.16	1.40	FAF157	4
75	10792	19.77	1.48	F 157	4
88	9198	16.85	1.84	FF 157	4
106	7621	13.96	2.1		
124	6507	11.92	2.3		
58	13920	25.50	0.81		
69	11764	21.55	0.96		
78	10378	19.01	1.00		
90	8953	16.48	1.15		
101	8008	14.67	1.29	FA 127	4
117	6900	12.64	1.33	FAF127	4
144	5606	10.27	1.36	F 127	4
169	4782	8.76	1.59	FF 127	4
190	4253	7.79	1.60		
220	3668	6.72	1.79		
271	2981	5.46	1.89		
320	2528	4.63	2.2		
110kW					
53	18530	27.96	0.91		
67	14686	22.16	1.15	FA 157	4
75	13102	19.77	1.22	FAF157	4
88	11167	16.85	1.52	F 157	4
107	9252	13.96	1.73	FF 157	4
125	7900	11.92	1.90		
132kW					
67	17623	22.16	0.96	FA 157	4
75	15723	19.77	1.02	FAF157	4
88	13400	16.85	1.26	F 157	4
107	11102	13.96	1.44	FF 157	4
125	9480	11.92	1.59		
160kW					
				FA 157	4
88	16243	16.85	1.04	FAF157	4
107	13457	13.96	1.19	F 157	4
125	11491	11.92	1.31	FF 157	4
200kW					
				FA 157	4
88	20304	16.85	0.83	FAF157	4
107	16821	13.96	0.95	F 157	4
125	14363	11.92	1.05	FF 157	4

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p

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Mamax Permissible torque Nm	输出转速 Output speed r/min	传动比 Ratio i	机型号 Type	功率 Power kW/4p
200	5.3	262	FA 37R17 FAF37R17 F 37R17 FF 37R17	0.18
	6.1	229		
	7.0	200		
	8.2	170		
	9.1	153		0.25
	10	133		
	11	129		
400	2.5	563	FA 47R17 FAF47R17 F 47R17 FF 47R17	0.18
	2.9	477		
	3.1	445		
	3.6	389		
	4.0	346		
	4.6	304		0.25
	4.7	293		
	6.0	230		
	6.4	216		0.37
	7.4	188		
	7.9	176		
	9.4	148		0.55
	11	130		
600	1.6	856	FA 57R37 FAF57R37 F 57R37 FF 57R37	0.18
	1.9	749		
	2.1	658		
	2.5	549		0.25
	2.9	483		
	3.3	426		
	3.6	382		
	4.2	330		0.37
	4.7	298		
	5.3	262		
	6.2	226		0.55
	7.0	200		
	8.4	166		0.75
	9.1	152		
	10	134		
820	1.2	1126	FA 67R37 FAF67R37 F 67R37 FF 67R37	0.18
	1.4	984		
	1.6	864		
	1.9	722		0.25
	2.2	633		
	2.6	527		
	2.8	500		0.37
	3.1	454		
	3.5	392		
	4.2	333		0.55
	4.7	297		
	5.3	261		
	5.8	238		
	7.0	200		0.75
1500	0.7	2024	FA 77R37 FAF77R37 F 77R37 FF 77R37	0.18
	0.81	1728		
	0.91	1543		
	1.03	1354		
	1.2	1196		0.25
	1.3	1050		
	1.5	907		0.37
	1.7	810		
	2.0	710		

Mamax Permissible torque Nm	输出转速 Output speed r/min	传动比 Ratio i	机型号 Type	功率 Power kW/4p
1500	2.3	600	FA 77R37 FAF77R37 F 77R37 FF 77R37	0.55
	2.6	525		
	3.0	469		
	3.4	412		0.75
	3.9	357		
	4.4	314		
3000	0.33	4245	FA 87R57 FAF87R57 F 87R57 FF 87R57	0.18
	0.37	3721		
	0.43	3244		
	0.48	2881		
	0.54	2575		0.25
	0.63	2199		
	0.72	1930		
	0.81	1709		0.37
	0.93	1493		
	1.1	1300		0.55
	1.2	1148		
	1.4	1010		
	1.6	887		
	1.8	780		0.75
	2.1	674		
	2.3	609		1.1
	2.7	515		
	3.1	452		
	4.0	345		1.5
4300	0.21	6532	FA 97R57 FAF97R57 F 97R57 FF 97R57	0.18
	0.24	5696		
	0.28	5032		
	0.32	4375		
	0.35	3946		0.25
	0.41	3404		
	0.47	2949		
	0.54	2590		0.37
	0.61	2267		
	0.70	1989		
	0.80	1739		0.55
	0.90	1542		
	1.0	1340		
	1.2	1182		0.75
	1.3	1032		
	1.5	907		1.1
	1.8	796		
	2.0	700		
	2.3	611		1.5
	2.6	534		
	3.0	472		
	3.5	410		2.2
	3.9	367		
	4.9	288		3
	5.7	247		
7840	0.12	11347	FA 107R77 FAF107R77 F 107R77 FF 107R77	0.18
	0.14	10039		
	0.16	8548		
	0.18	7675		
	0.21	6615		0.25
	0.24	5820		
	0.27	5223		

表上所配功率均有超载,按实际条件确定的转扭不得大于减速机额定转扭。

The power are all overload in the table.The decided torque according to operating condition should not more than gear units' nominal torque.



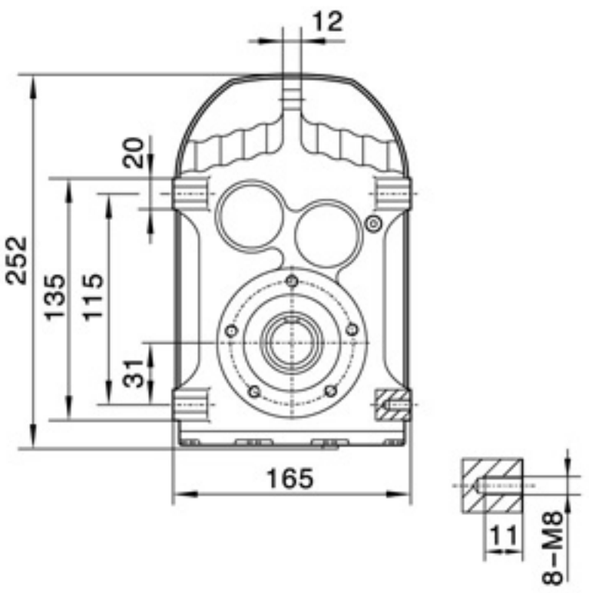
Mamax Permissible torque Nm	输出转速 Output speed r/min	传动比 Ratio i	机型号 Type Type	功率 Power kW/4p
7840	0.30	4567	FA 107R77 FAF107R77 F 107R77 FF 107R77	0.37
	0.40	3442		
	0.46	3037		0.55
	0.50	2756		
	0.59	2369		
	0.67	2068		0.75
	0.76	1826		
	0.88	1597		1.1
	1.0	1401		
	1.1	1243		
	1.3	1087		1.5
	1.5	950		
	1.7	834		2.2
	1.9	736		
	2.3	627		
	2.5	560		3
	2.9	489		
	3.3	427		
	4.0	362		4
	4.3	333		
12000	0.08	16787	FA 127R77 FAF127R77 F 127R77 FF 127R77	0.18
	0.09	14838		
	0.11	13014		
	0.12	11748		
	0.14	10271		0.25
	0.16	8901		
	0.18	7703		0.37
	0.21	6768		
	0.23	5975		
	0.27	5076		0.55
	0.31	4466		
	0.36	3868		
	0.41	3403		0.75
	0.47	2987		
	0.52	2693		
	0.59	2376		1.1
	0.68	2054		
	0.78	1798		
	0.86	1619		1.5
	1.0	1401		
	1.2	1230		2.2
	1.3	1085		
	1.5	937		
	1.7	827		3
	1.9	733		
	2.2	640		
	2.7	542		4
	2.9	489		
	3.4	423		5.5
	3.9	371		
	3.0	483	FA 127R87 FAF127R87 F 127R87 FF 127R87	5.5
	3.5	417		
	3.9	373		
	4.7	312		7.5
	5.0	293		
	7.3	200		11
18000	0.04	31434		0.55
	0.05	26173		
	0.06	23464		
	0.07	20212		
	0.08	17984		
	0.09	16358		
	0.10	13751		
	0.11	12235		
	0.20	7065		
	0.22	6286		
	0.26	5404		0.75
	0.14	10033		1.1
	0.16	9021		
	0.17	8026		
	0.29	4831		
	0.34	4124		
	0.50	2776		
	0.57	2427		1.5
	0.64	2185		
	0.39	3602	FA 157R97 FAF157R97 F 157R97 FF 157R97	2.2
	0.44	3205		
	0.73	1944		
	0.85	1674		
	1.00	1420		
	1.1	1308		3
	1.2	1169		
	1.5	953		4
	1.7	845		
	1.9	764		
	2.1	680		5.5
	2.5	576		
	2.9	503		7.5
	3.3	446		
	4.9	301		11
	5.4	272		
	6.3	231		15
	7.2	202		
	4.9	196		18.5

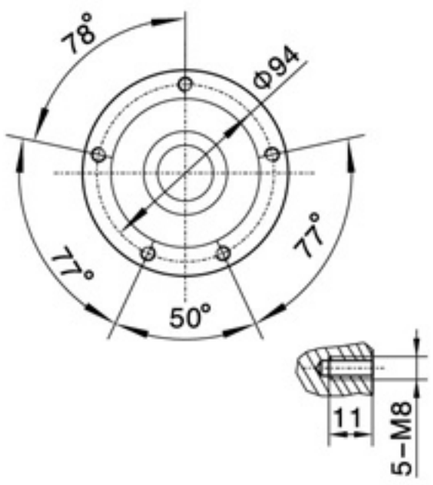
表上所配功率均有超载,按实际条件确定的转扭不得大于减速机额定转扭。

The power are all overload in the table.The decided torque according to operating condition should not more than gear units' nominal torque.

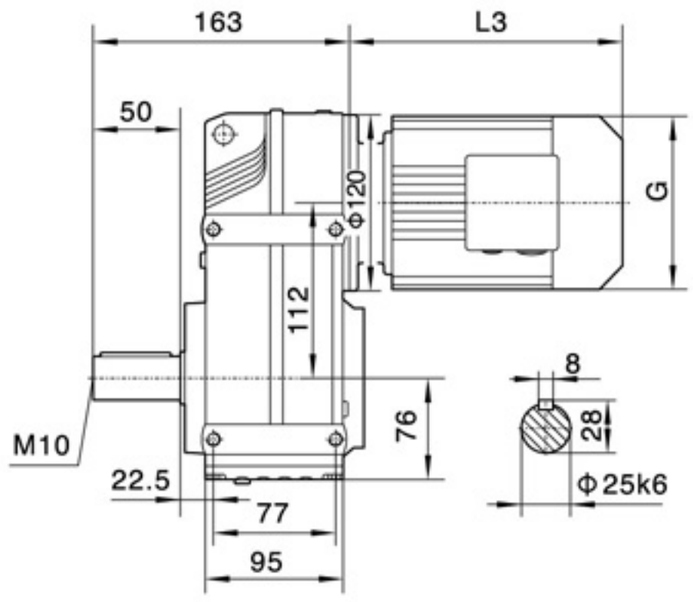
F

F

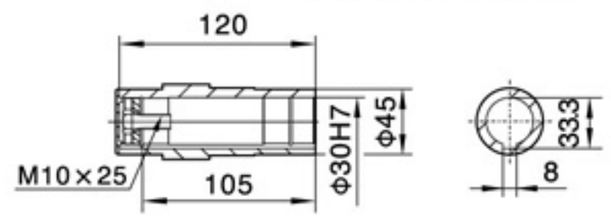




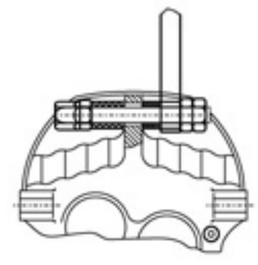
F37



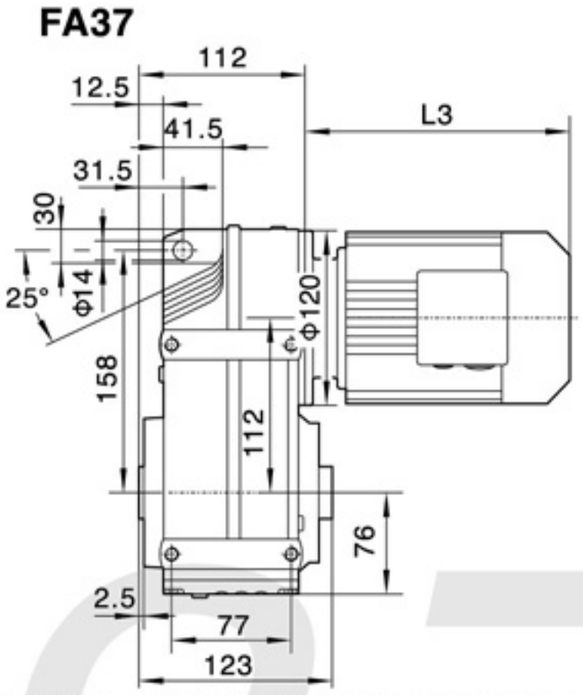
FA37/FAF37/FAZ37空心轴 /Hollow shaft



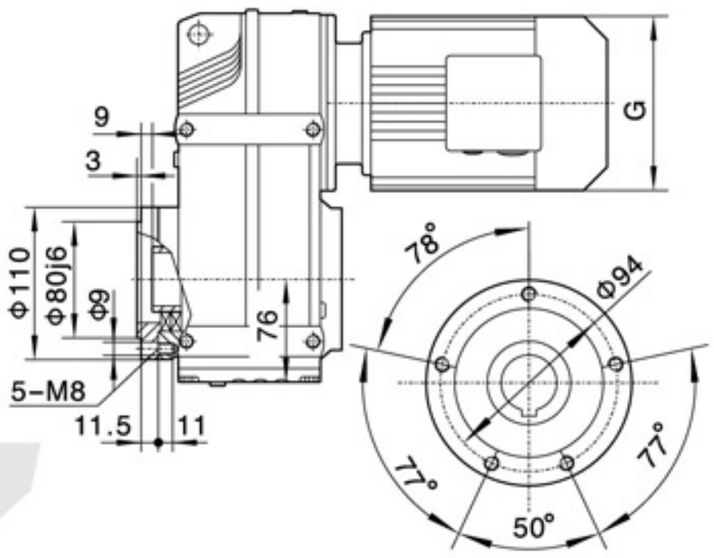
F..T37



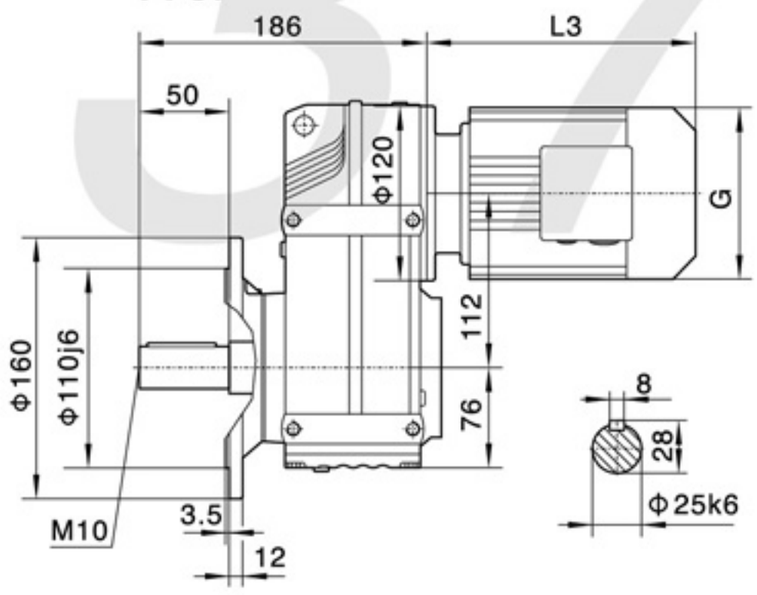
FA37



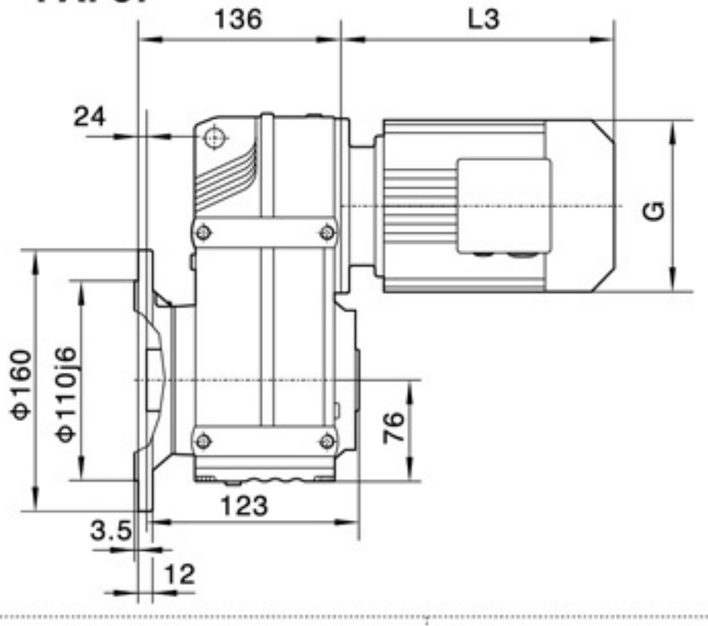
FAZ37

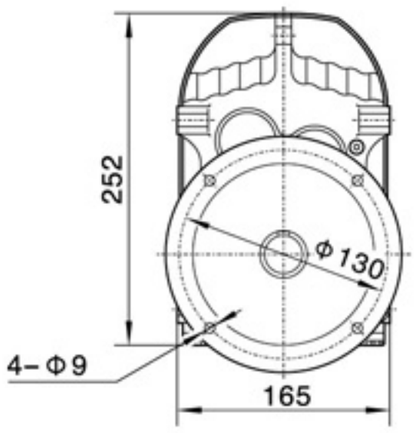


FF37



FAF37

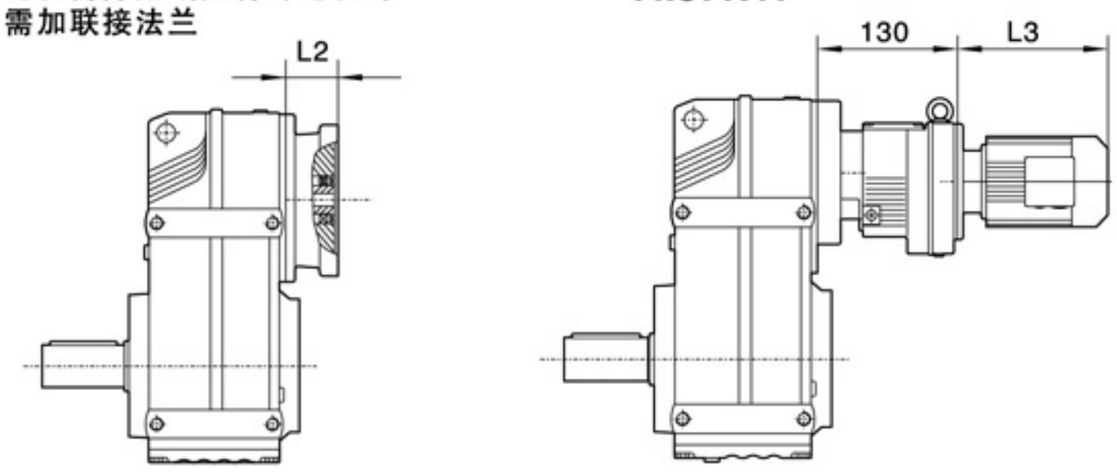




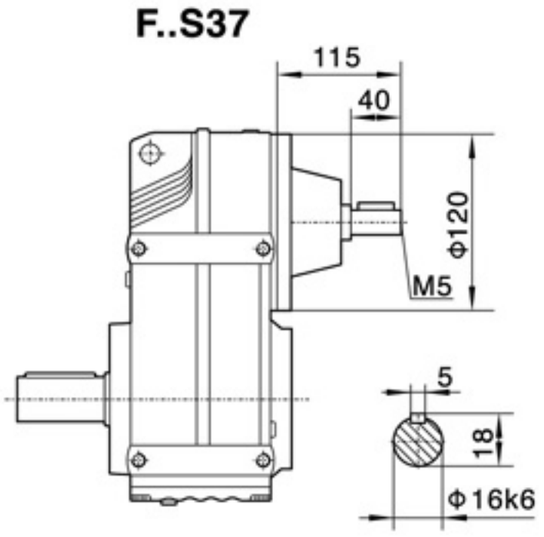
电机需方配或配特殊电机时
需加联接法兰

When equipping the user's motor or the special one,the flange is required to connected.

F..37R17



F..S37



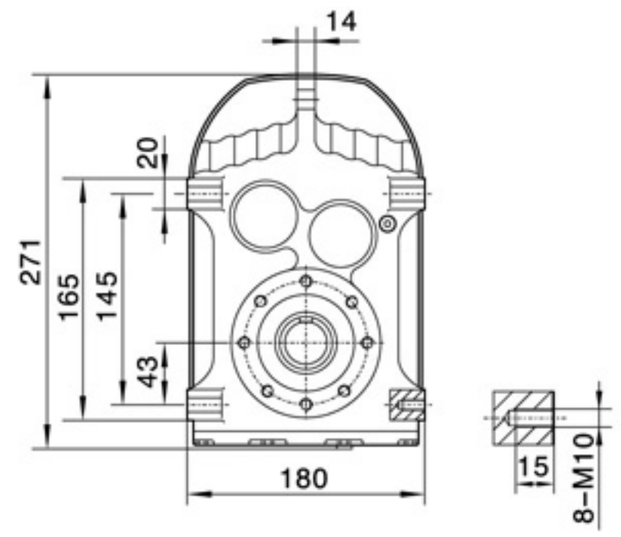
注：其余尺寸见相对应结构形式

Note:For other values please refer to the opposited structure.

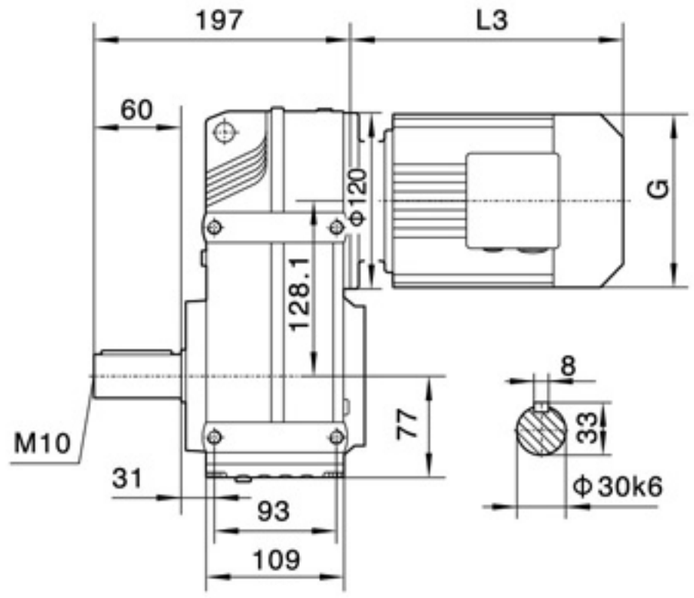
Y2电机机座号 Motor size	63	71		80		90S	90L	100		
功率/4P Power/(kW)	0.18	0.25	0.37	0.55	0.75	1.1	1.5	2.2	3	
L3	235	245		278		304	328	340		
G	130	145		175		195	195	215		
L2	70	70		97		97	97	109		

注:1.以上壳体为通用件,安装尺寸均可相互参照　2."F.."表示F、FA、FF、FAF、FAZ

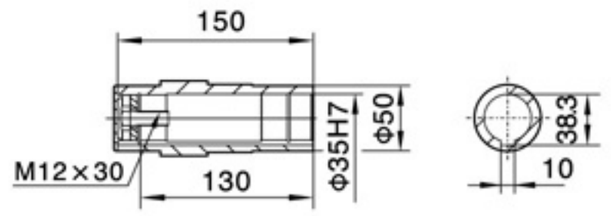
Note:1.The above housings are common parts.The mounting dimensions may consult each other.　2."F.."mean F、FA、FF、FAF、FAZ



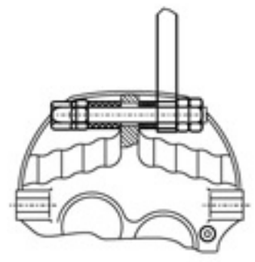
F47



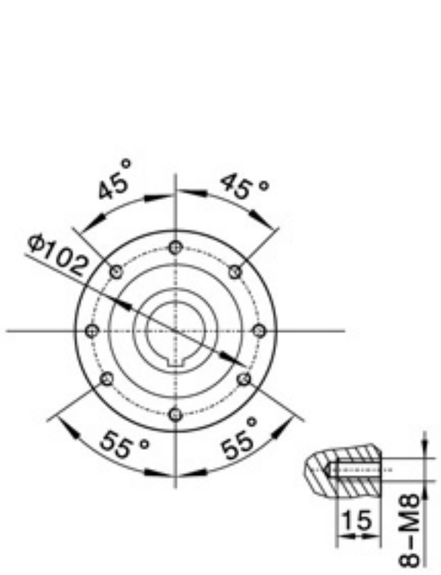
FA47/FAF47/FAZ47空心轴 /Hollow shaft

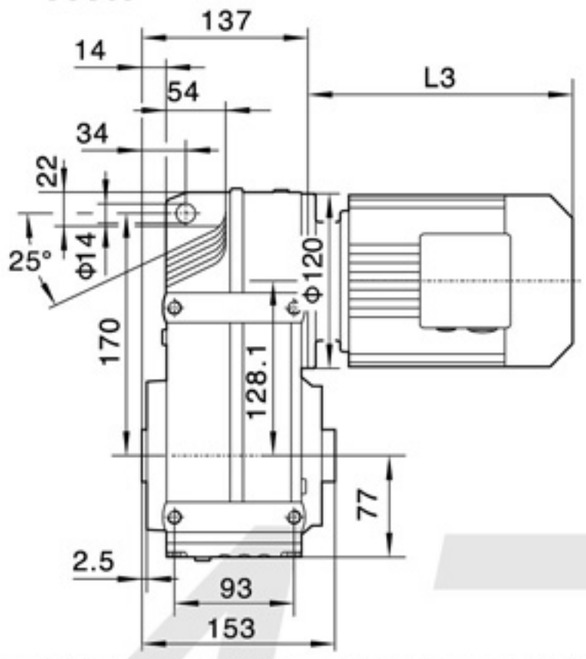


F..T47

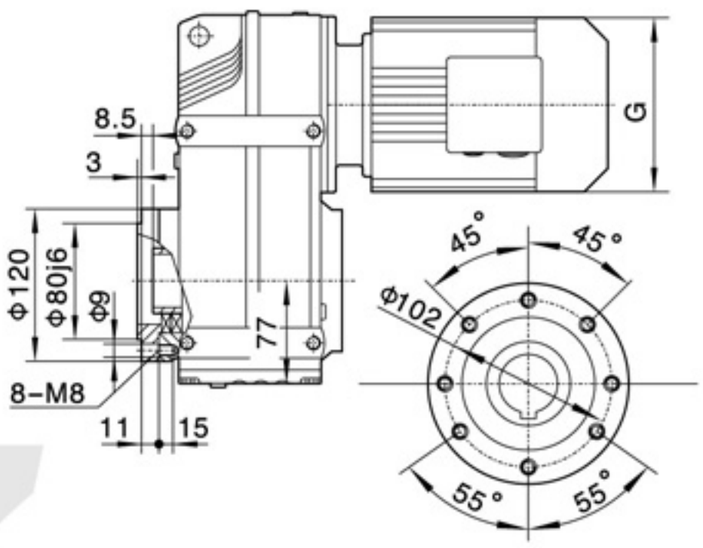


FA47

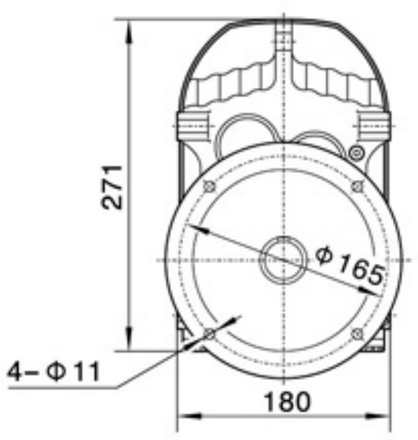


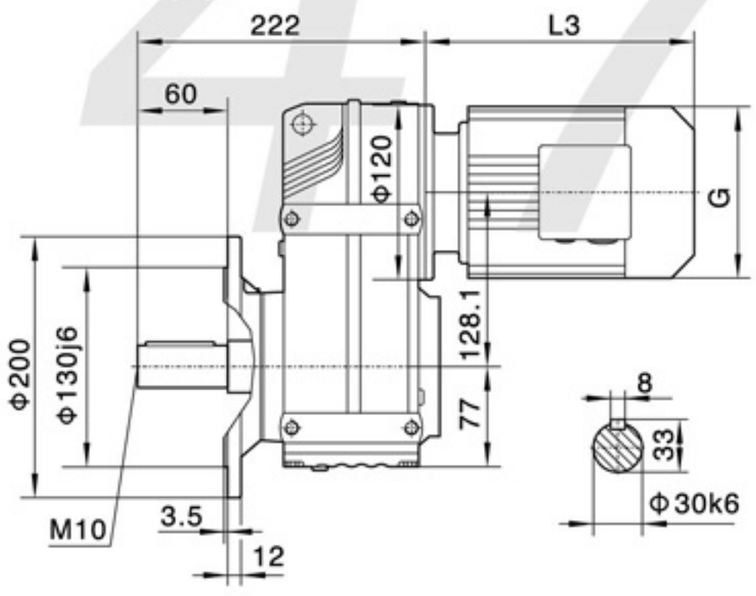


FAZ47

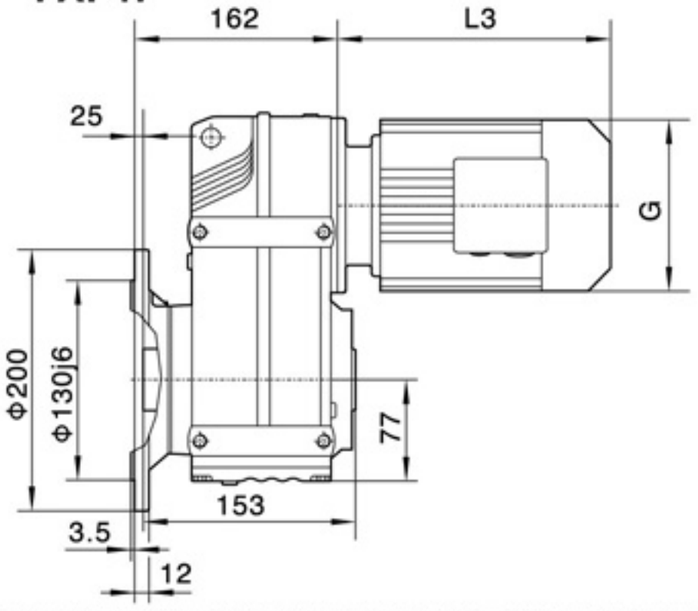


FF47





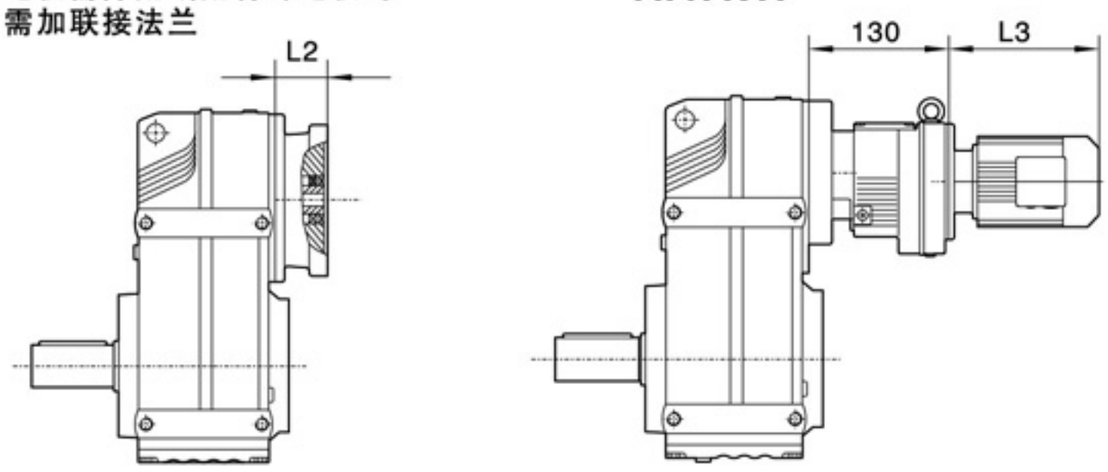
FAF47



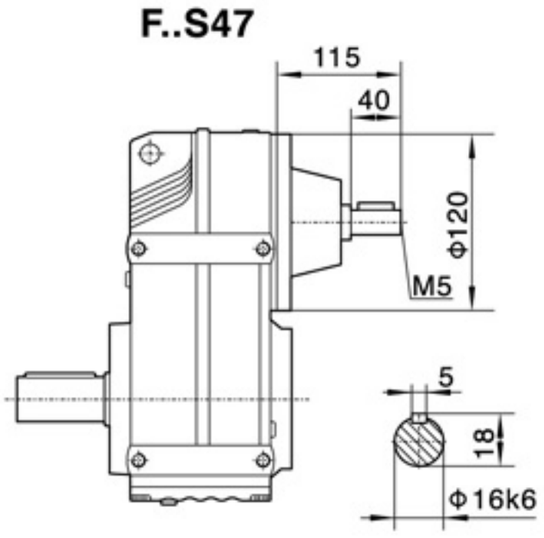
电机需方配或配特殊电机时
需加联接法兰

When equipping the user's motor or the special one,the flange is required to connected.

F..47R17



F..S47



注：其余尺寸见相对应结构形式

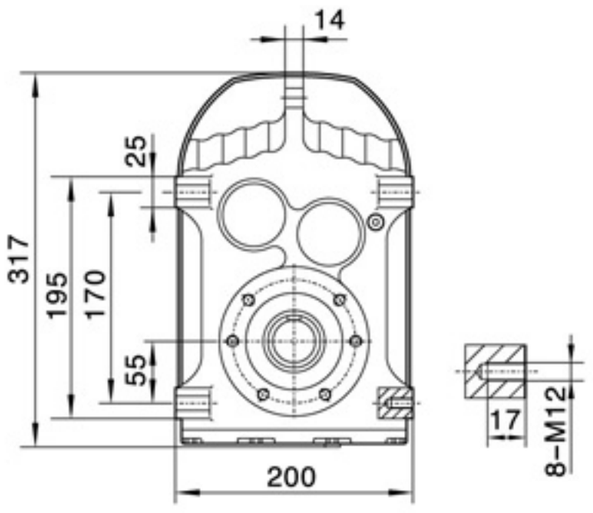
Note:For other values please refer to the opposited structure.

Y2电机机座号 Motor size	63	71		80		90S	90L	100	
功率/4P Power/(kW)	0.18	0.25	0.37	0.55	0.75	1.1	1.5	2.2	3
L3	235	245		278		304	328	340	
G	130	145		175		195	195	215	
L2	70	70		97		97	97	109	

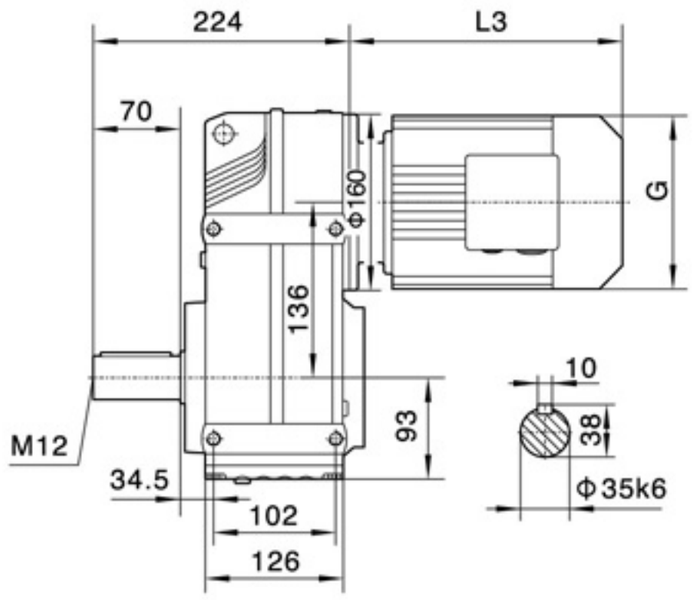
注:1.以上壳体为通用件,安装尺寸均可相互参照　2."F.."表示F、FA、FF、FAF、FAZ

Note:1.The above housings are common parts.The mounting dimensions may consult each other.　2."F.."mean F、FA、FF、FAF、FAZ

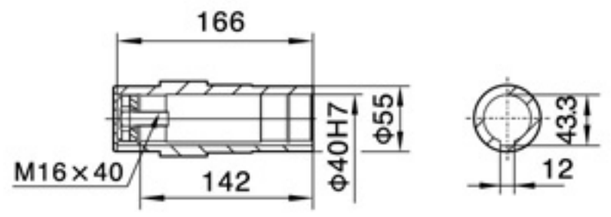
F



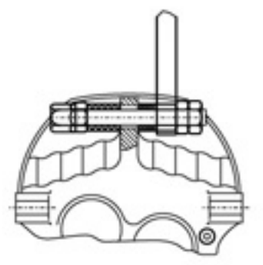
F57



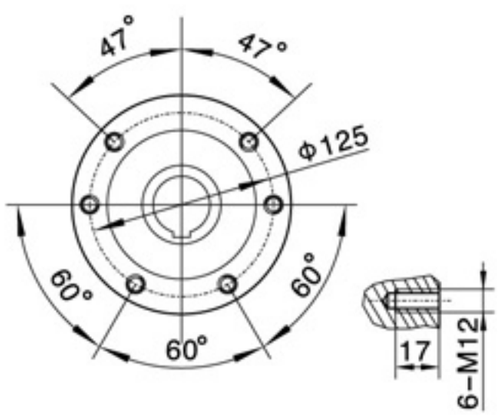
FA57/FAF57/FAZ57空心轴 /Hollow shaft

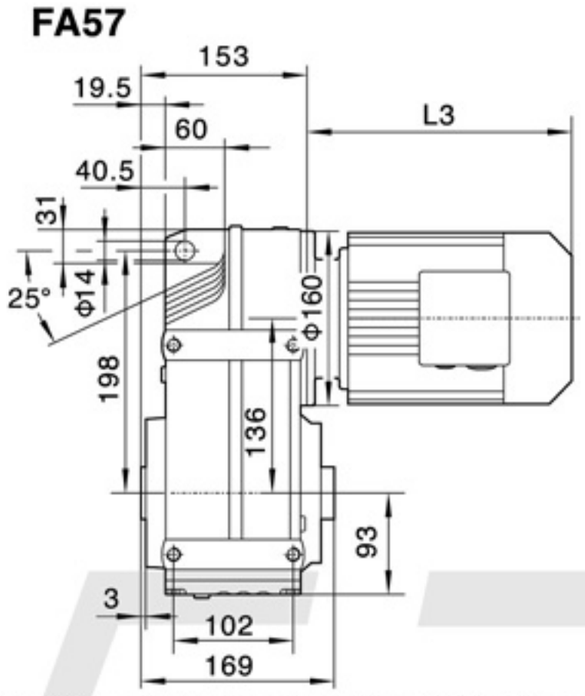


F..T57

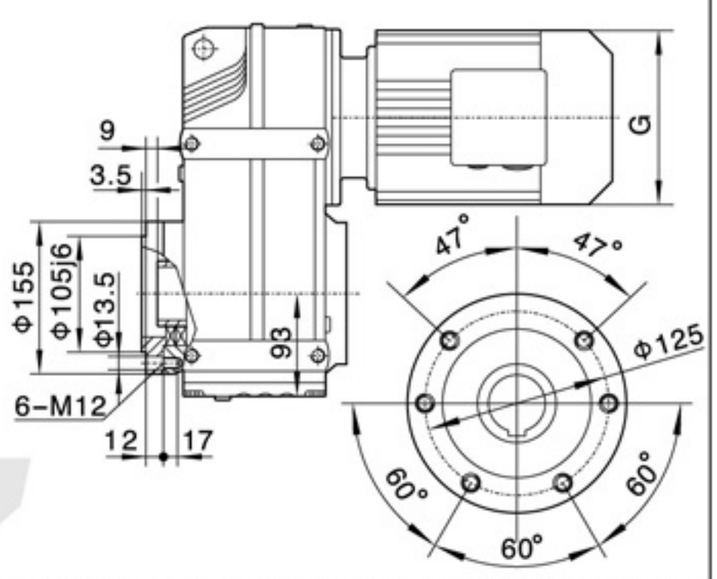


FA57

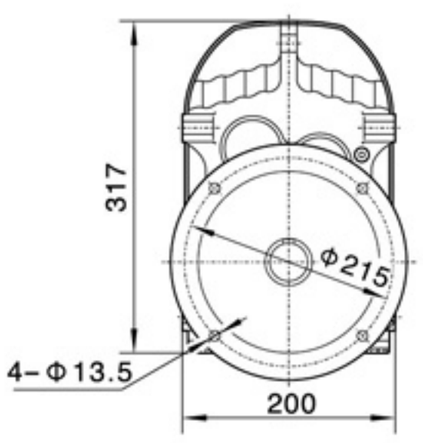


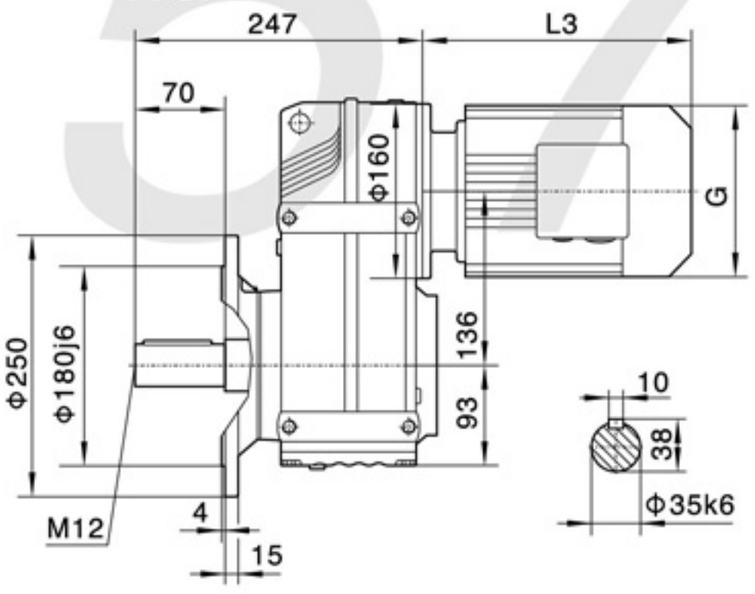


FAZ57

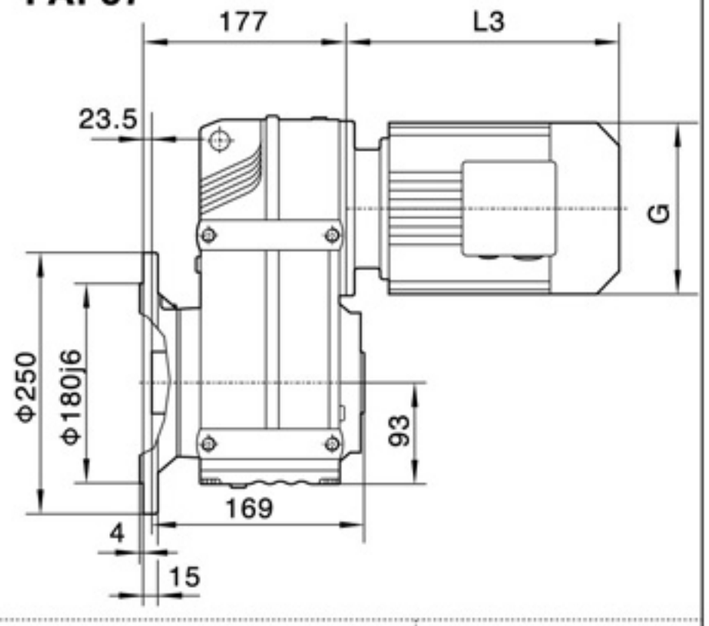


FF57





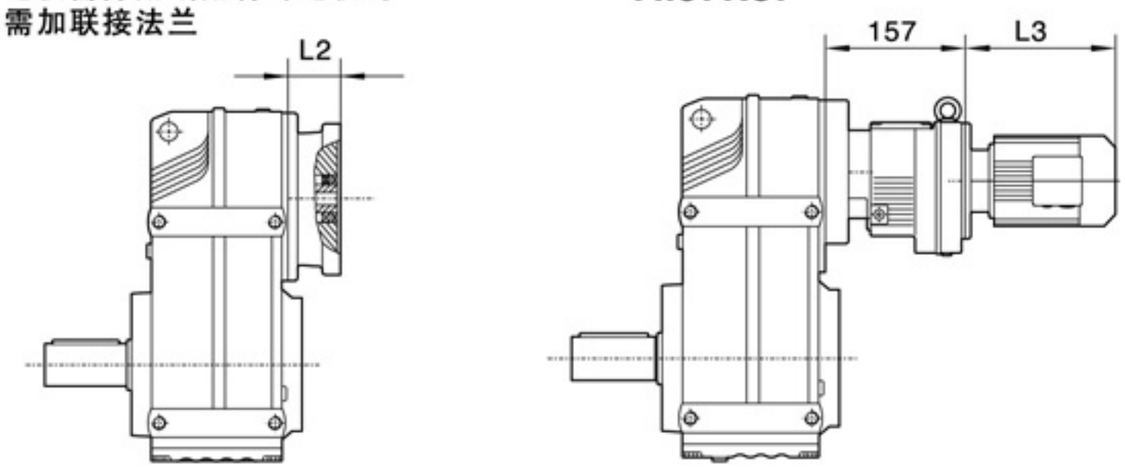
FAF57



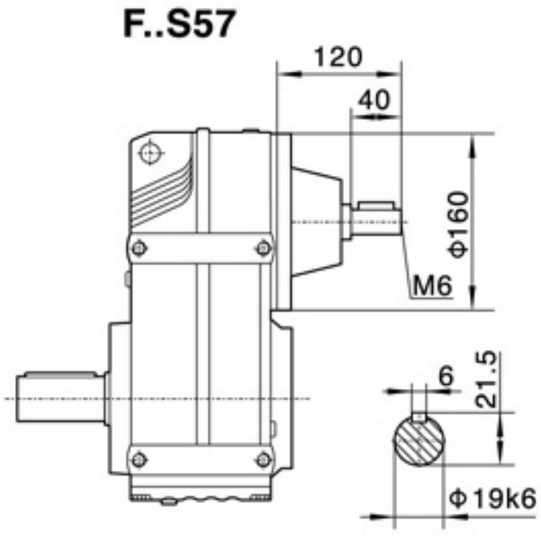
电机需方配或配特殊电机时
需加联接法兰

When equipping the user's motor or the special one,the flange is required to connected.

F..57R37



F..S57



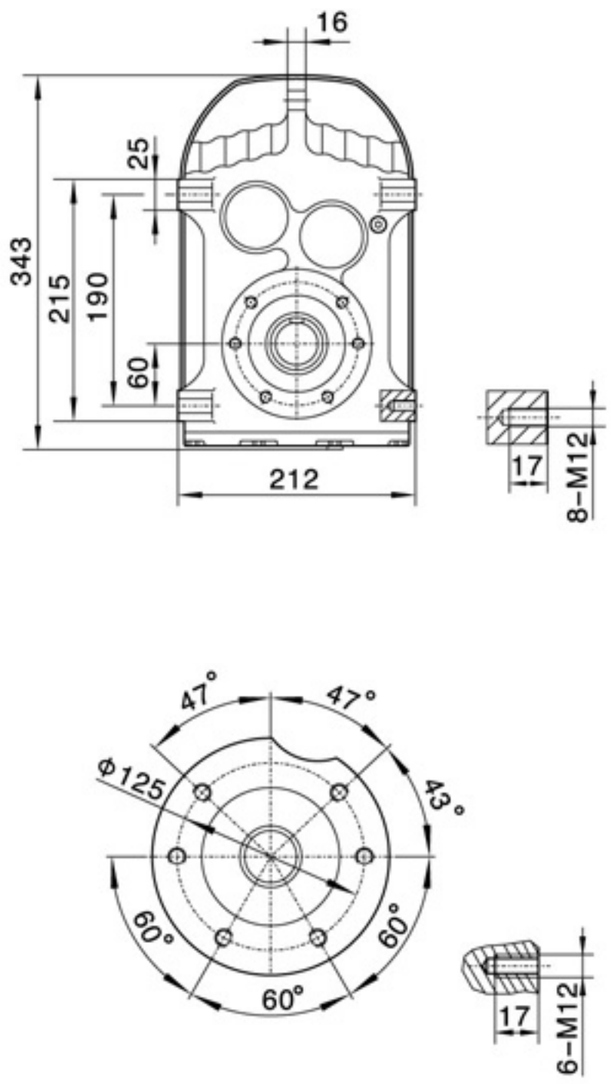
注：其余尺寸见相对应结构形式

Note:For other values please refer to the opposited structure.

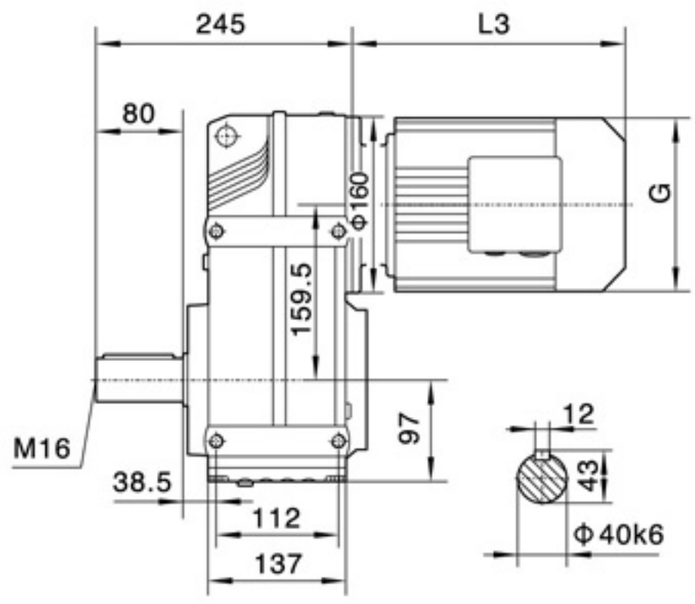
Y2电机机座号 Motor size	63	71		80		90S	90L	100		112M	132S
功率/4P Power/(kW)	0.18	0.25	0.37	0.55	0.75	1.1	1.5	2.2	3	4	5.5
L3	223	245		278		304	328	350		380	425
G	130	145		175		195	195	215		240	275
L2	70	70		91		91	91	103		103	90

注:1.以上壳体为通用件,安装尺寸均可相互参照　2."F.."表示F、FA、FF、FAF、FAZ

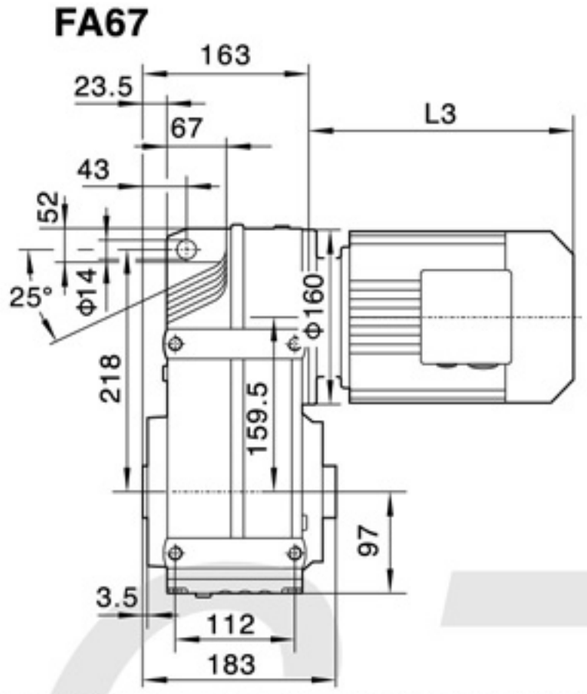
Note:1.The above housings are common parts.The mounting dimensions may consult each other.　2."F.."mean F、FA、FF、FAF、FAZ



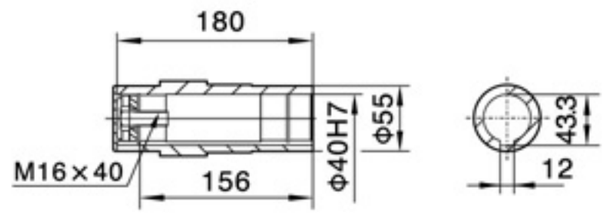
F67



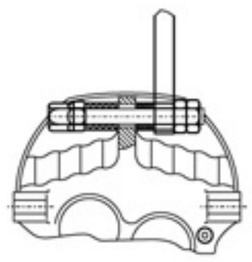
FA67



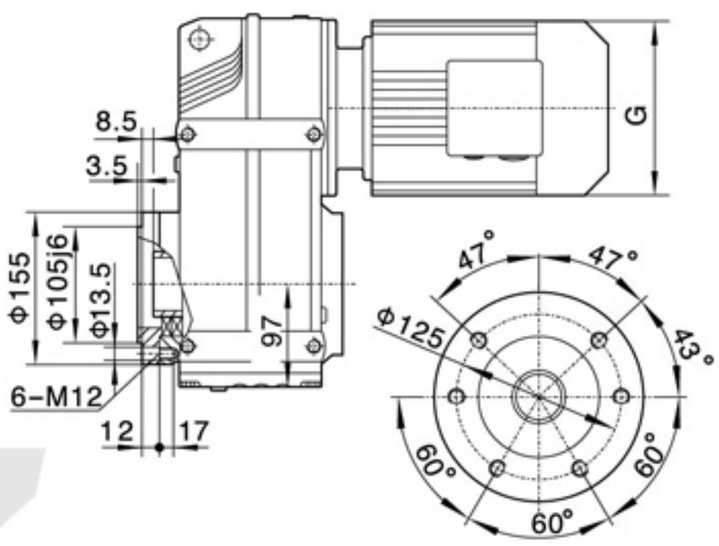
FA67/FAF67/FAZ67空心轴 /Hollow shaft

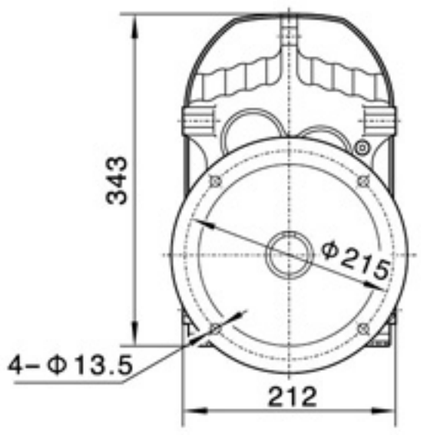


F..T67

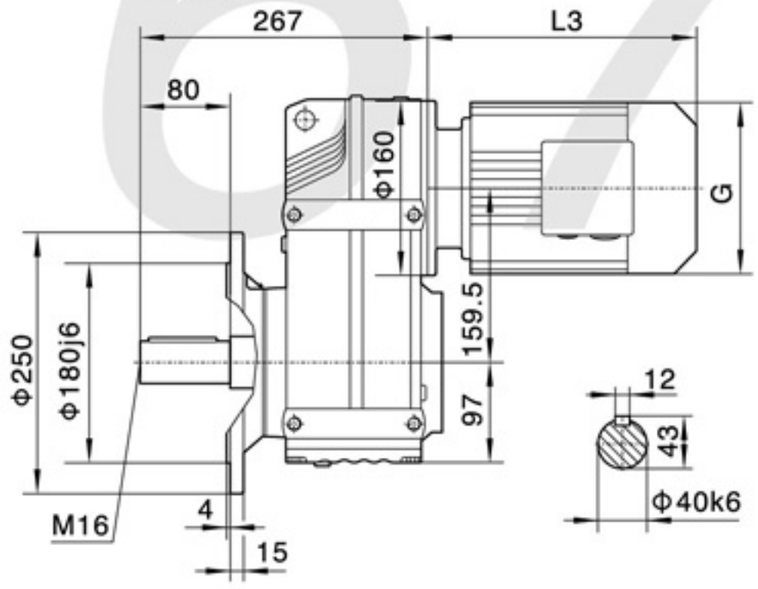


FAZ67

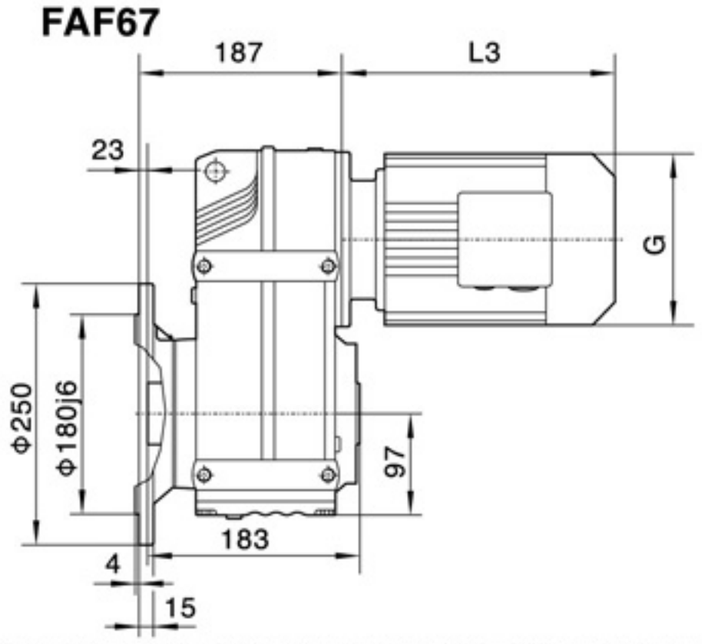




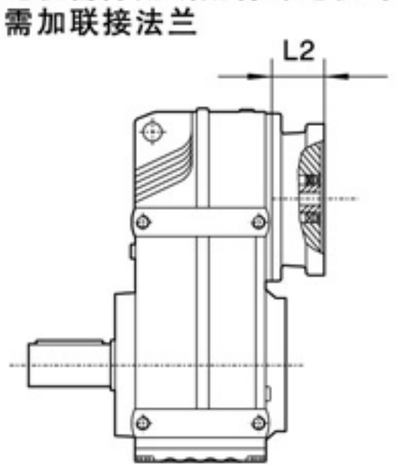
FF67



FAF67

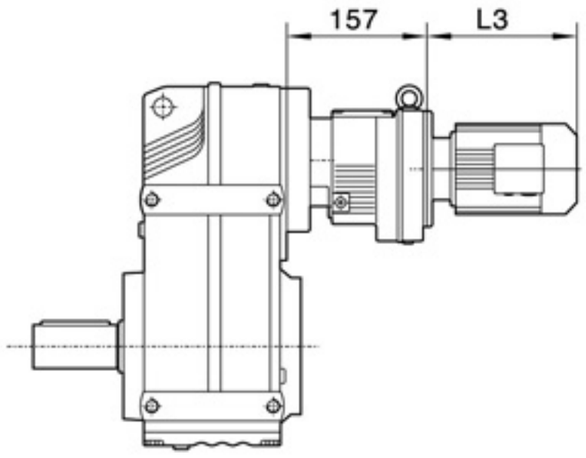


电机需方配或配特殊电机时
需加联接法兰

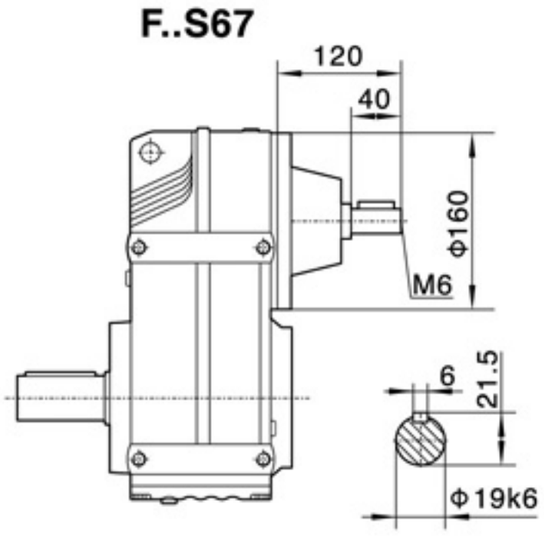


When equipping the user's motor or the special one,the flange is required to connected.

F..67R37



F..S67



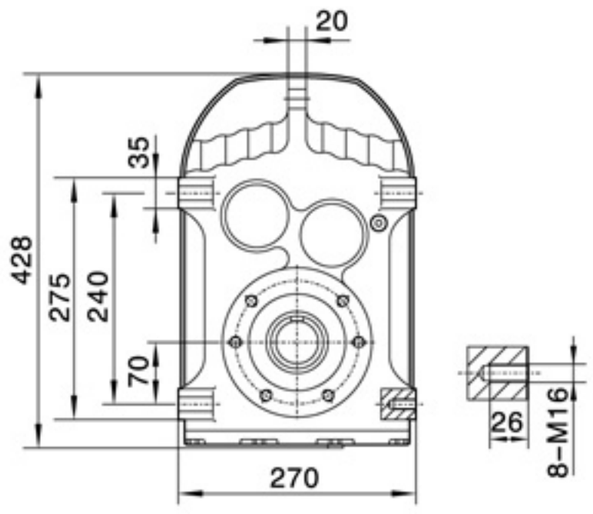
注：其余尺寸见相对应结构形式

Note:For other values please refer to the opposited structure.

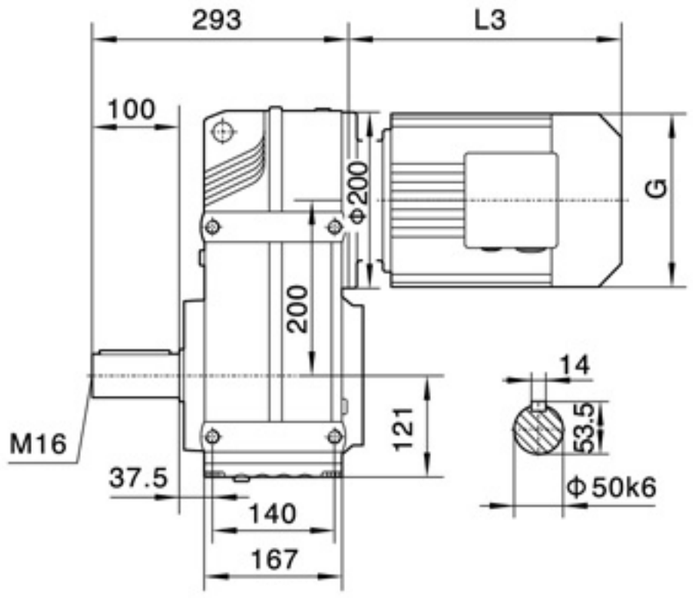
Y2电机机座号 Motor size	63	71		80		90S	90L	100		112M	132S
功率/4P Power/(kW)	0.18	0.25	0.37	0.55	0.75	1.1	1.5	2.2	3	4	5.5
L3	223	245		278		304	328	350		380	425
G	130	145		175		195	195	215		240	275
L2	70	70		91		91	91	103		103	90

注:1.以上壳体为通用件,安装尺寸均可相互参照　2."F.."表示F、FA、FF、FAF、FAZ
Note:1.The above housings are common parts.The mounting dimensions may consult each other.　2."F.."mean F、FA、FF、FAF、FAZ

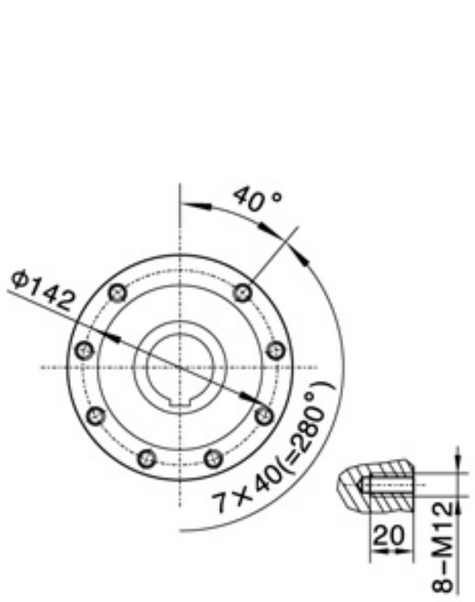
F



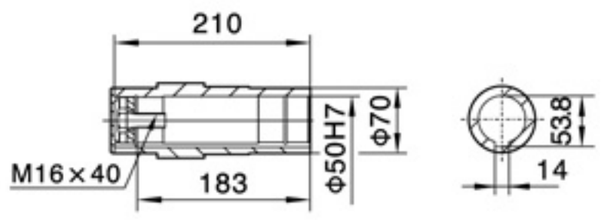
F77



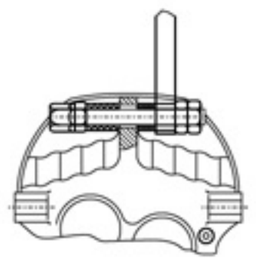
FA77



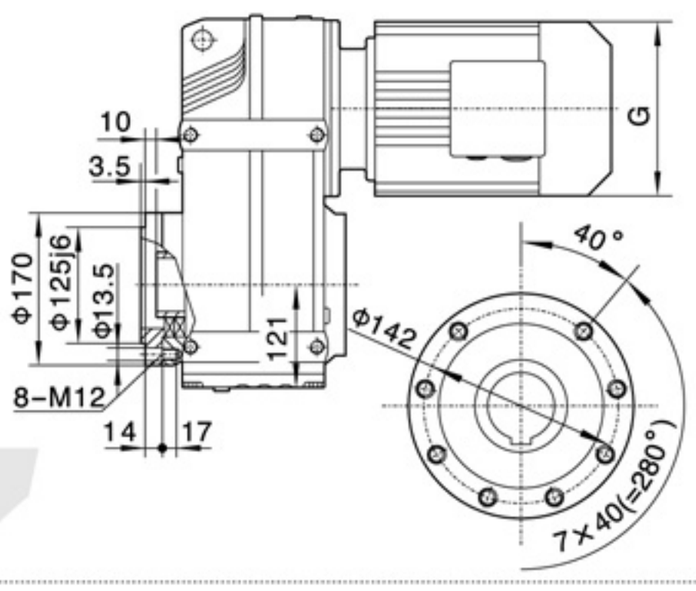
FA77/FAF77/FAZ77空心轴 /Hollow shaft



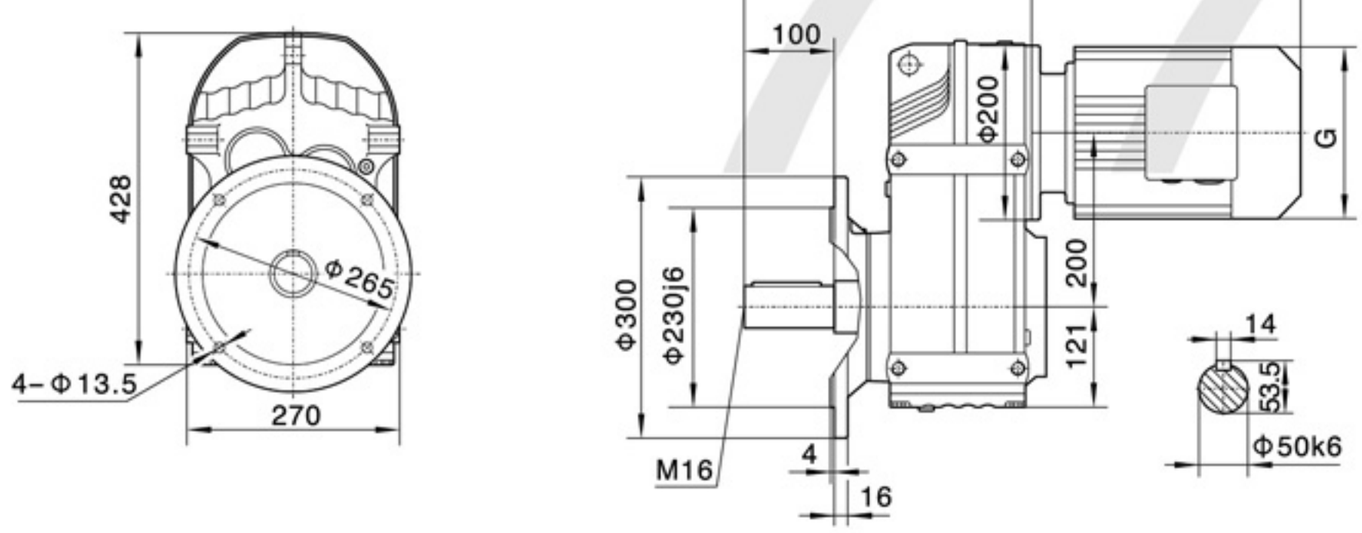
F..T77



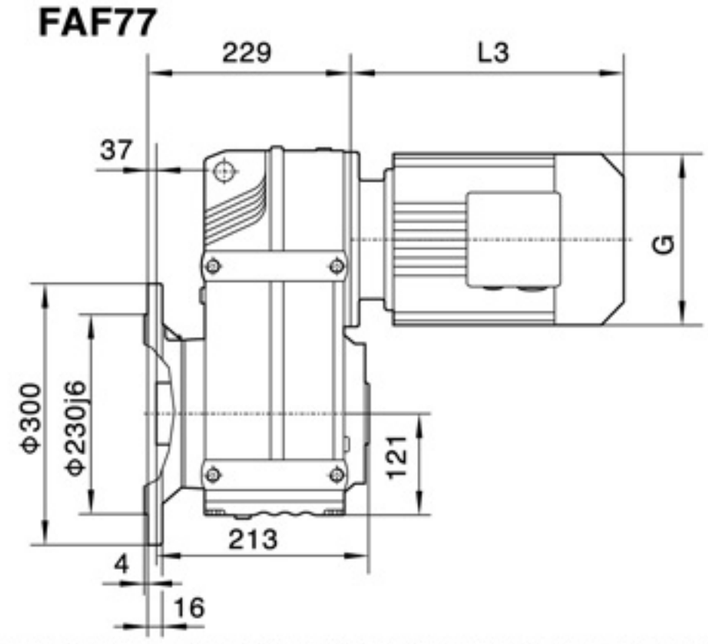
FAZ77



FF77



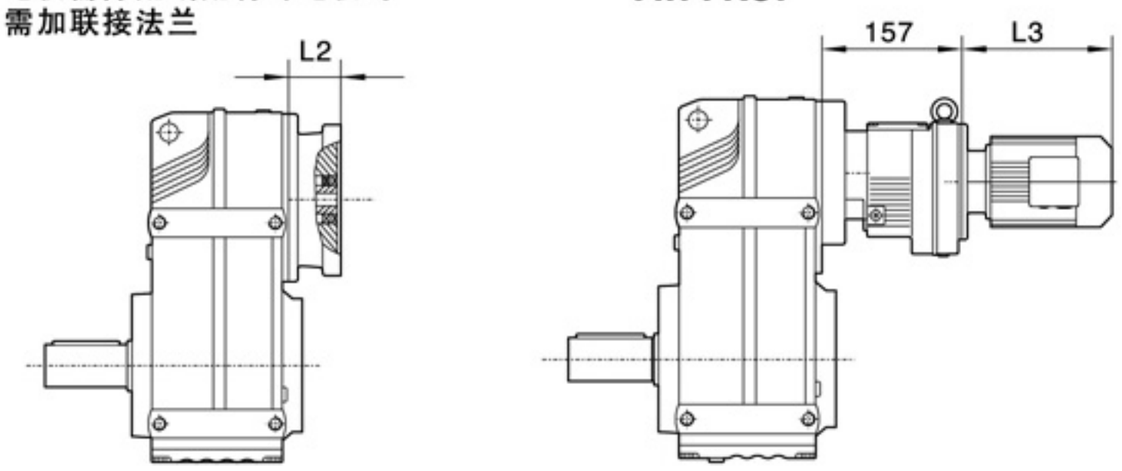
FAF77



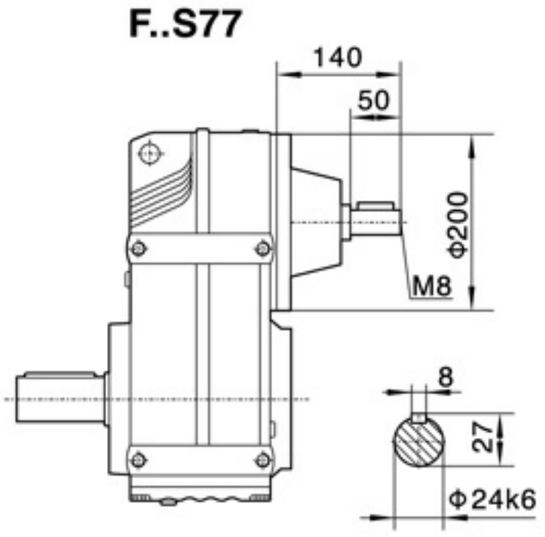
电机需方配或配特殊电机时
需加联接法兰

When equipping the user's motor or the special one,the flange is required to connected.

F..77R37



F..S77



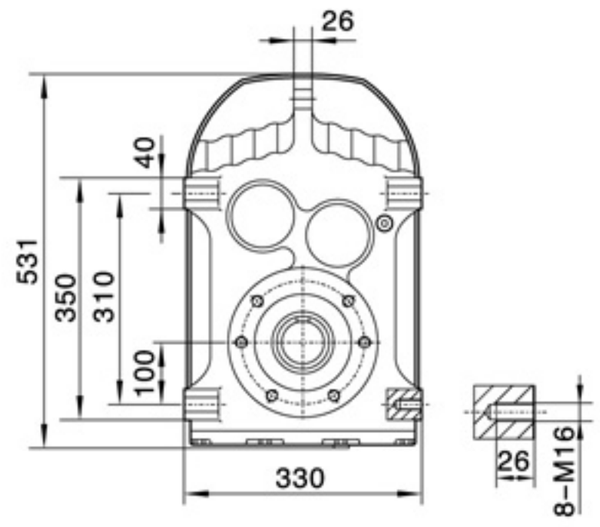
注：其余尺寸见相对应结构形式

Note:For other values please refer to the opposited structure.

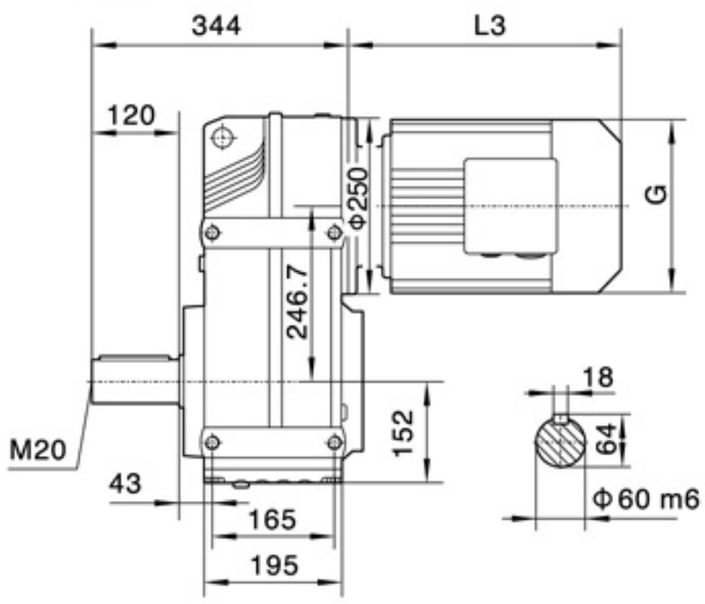
Y2电机机座号 Motor size	71	80		90S	90L	100		112M	132S	132M	160M
功率/4P Power/(kW)	0.37	0.55	0.75	1.1	1.5	2.2	3	4	5.5	7.5	11
L3	233	278		304	328	350		380	425	461	524
G	145	175		195	195	215		240	275	275	330
L2	65	81		81	81	93		93	108	108	131

注:1.以上壳体为通用件,安装尺寸均可相互参照　2."F.."表示F、FA、FF、FAF、FAZ

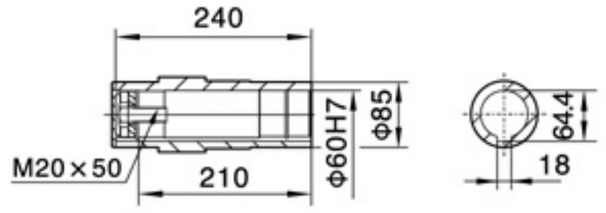
Note:1.The above housings are common parts.The mounting dimensions may consult each other.　2."F.."mean F、FA、FF、FAF、FAZ



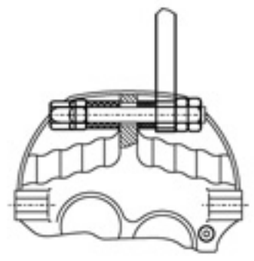
F87



FA87/FAF87/FAZ87空心轴 /Hollow shaft

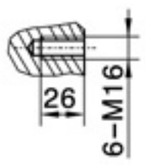


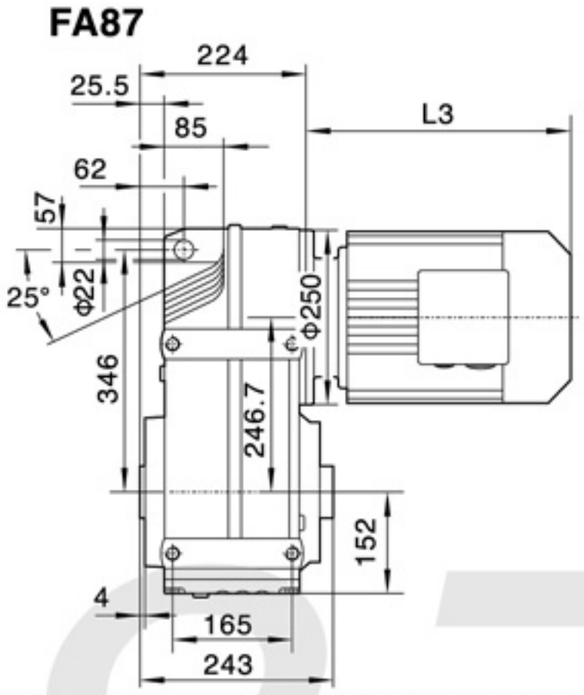
F..T87



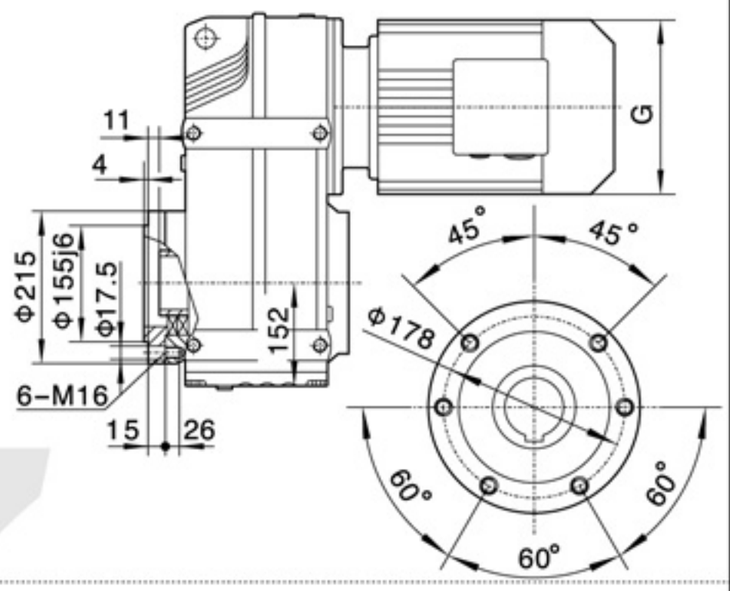
FA87



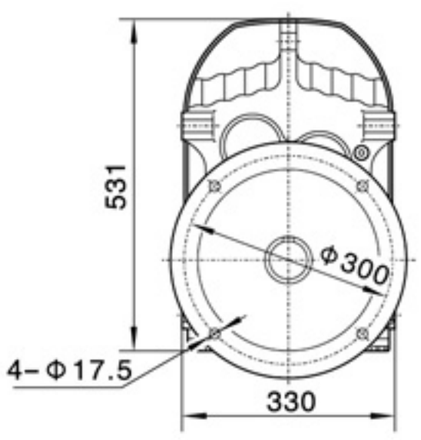


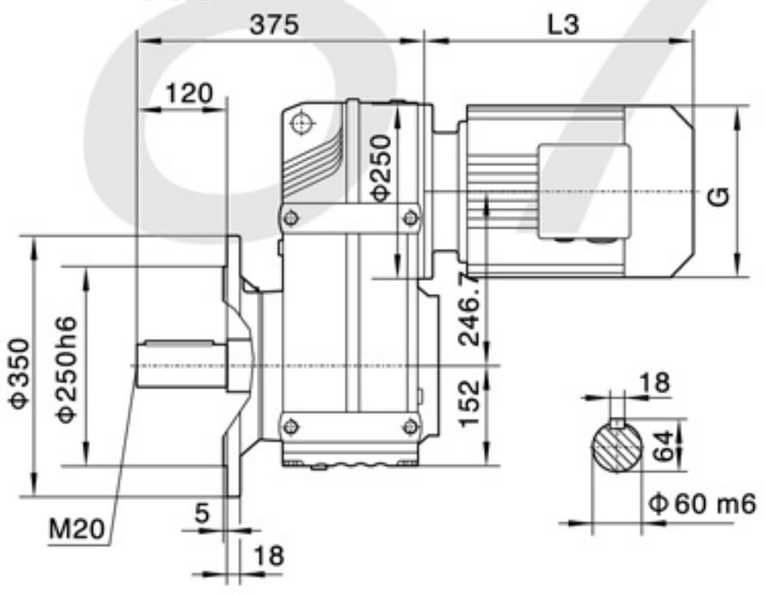


FAZ87

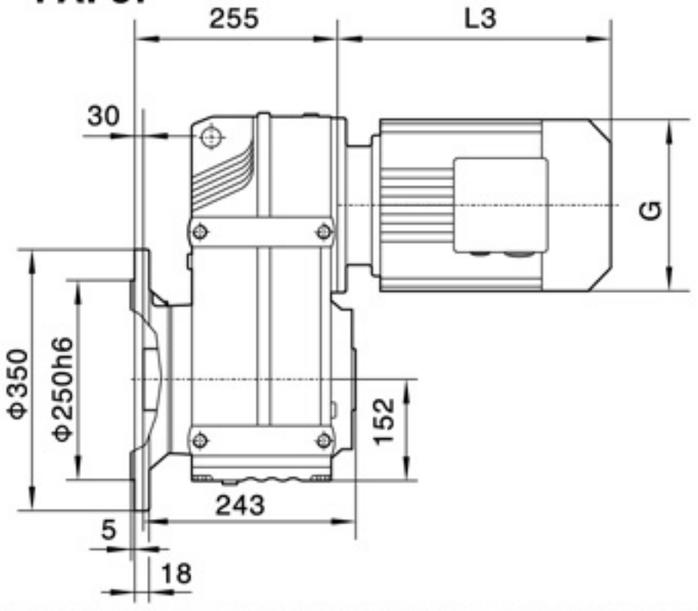


FF87

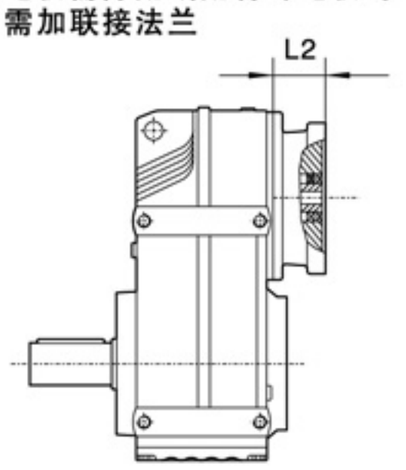




FAF87

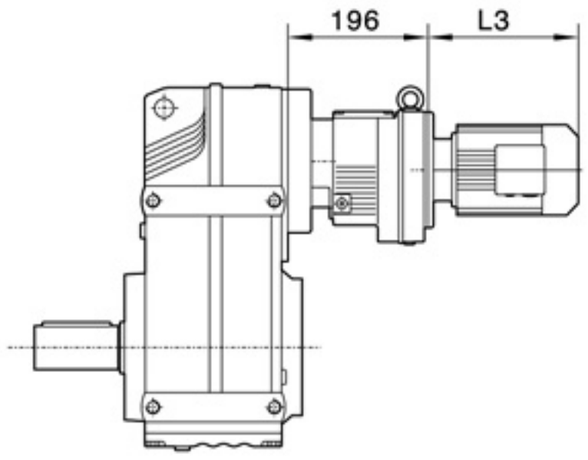


电机需方配或配特殊电机时
需加联接法兰

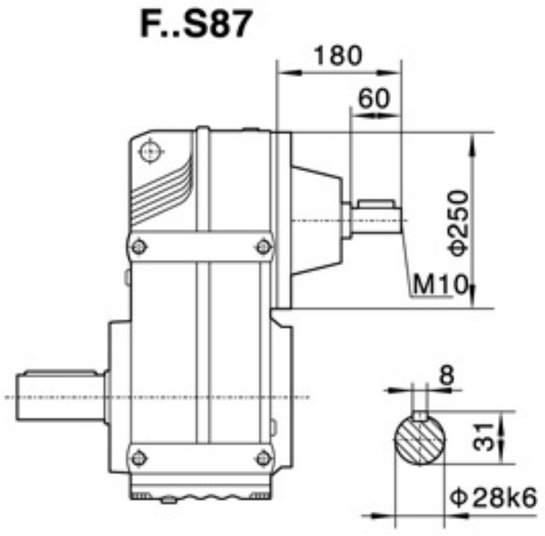


When equipping the user's motor or the special one,the flange is required to connected.

F..87R57



F..S87



注：其余尺寸见相对应结构形式

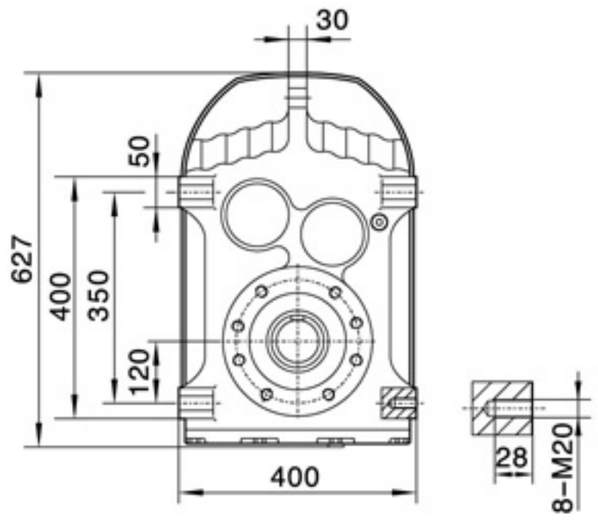
Note:For other values please refer to the opposited structure.

Y2电机机座号 Motor size	80	90S	90L	100		112M	132S	132M	160M	160L	180M	180L
功率/4P Power/(kW)	0.75	1.1	1.5	2.2	3	4	5.5	7.5	11	15	18.5	22
L3	246	280	304	350		380	425	461	524	547	583	616
G	175	195	195	215		240	275	275	330	330	380	380
L2	76	76	76	88		88	101	101	131	131	126	126

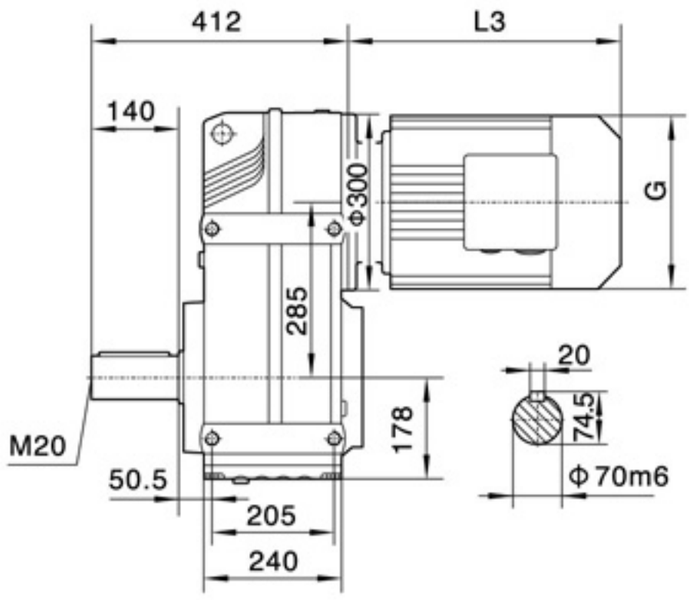
注:1.以上壳体为通用件,安装尺寸均可相互参照　2."F.."表示F、FA、FF、FAF、FAZ

Note:1.The above housings are common parts.The mounting dimensions may consult each other.　2."F.."mean F、FA、FF、FAF、FAZ

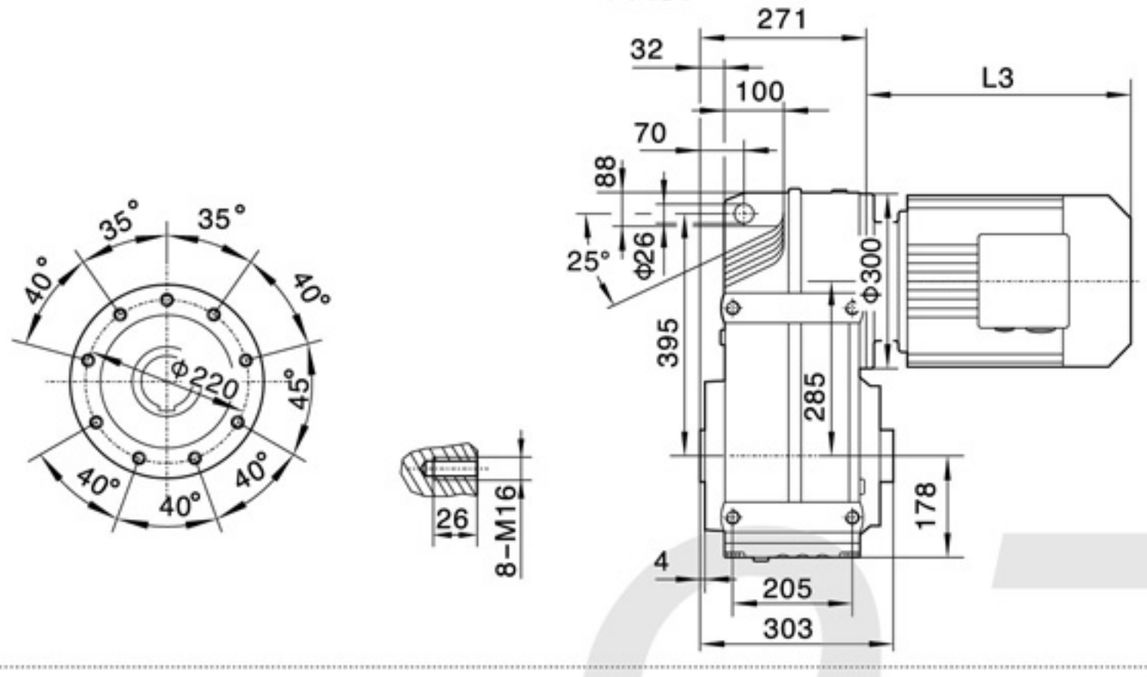
F



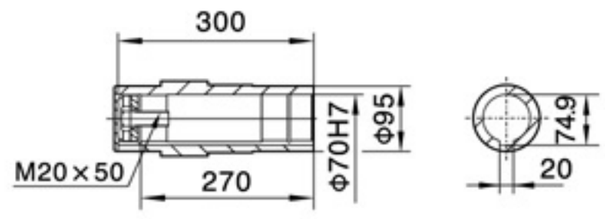
F97



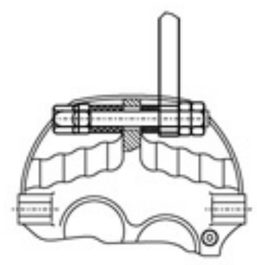
FA97



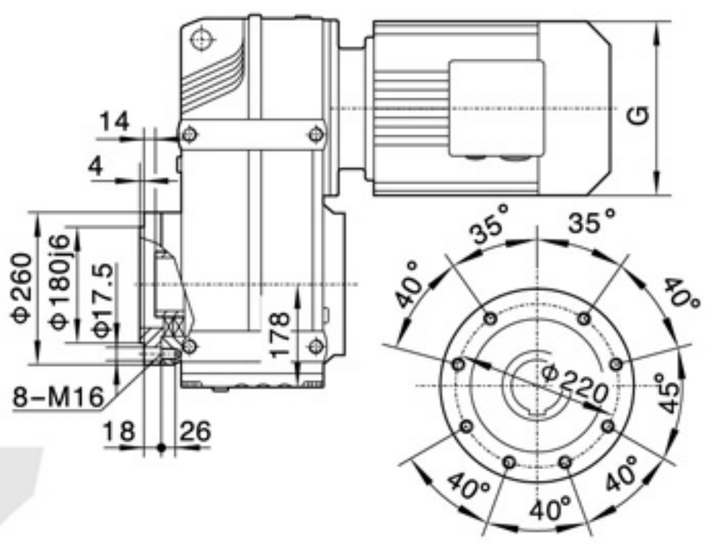
FA/FAF/FAZ97空心轴 /Hollow shaft



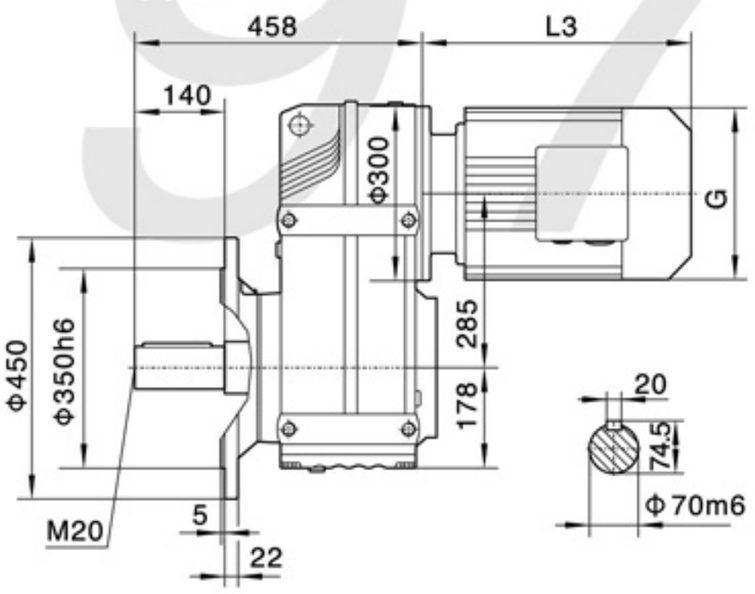
F..T97



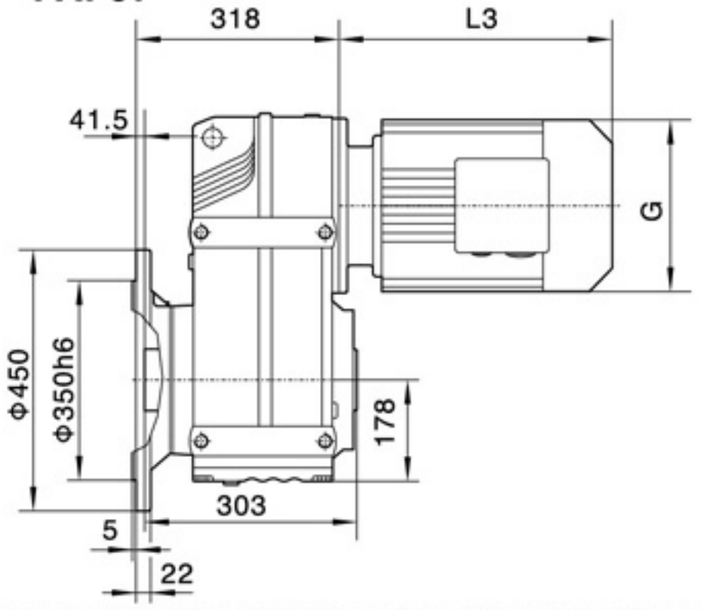
FAZ97



FF97

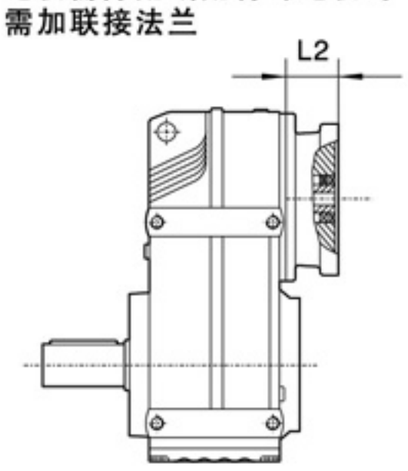


FAF97

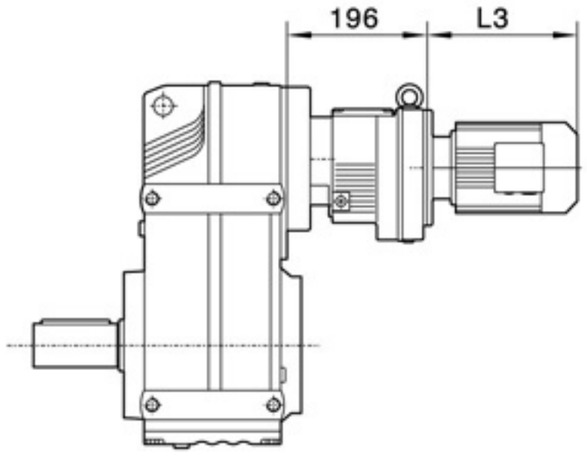


电机需方配或配特殊电机时需加联接法兰

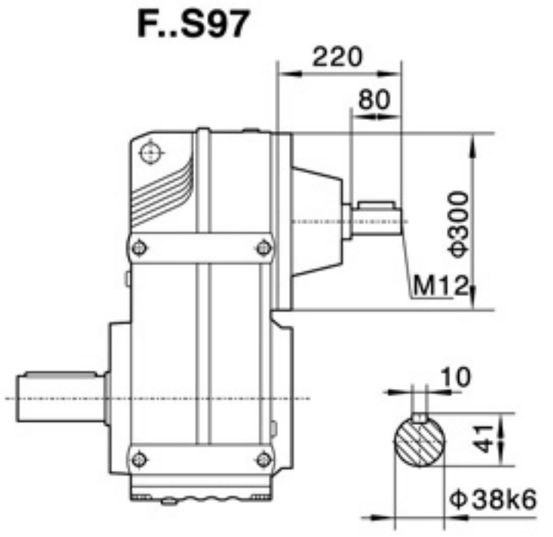
When equipping the user's motor or the special one,the flange is required to connected.



F..97R57



F..S97



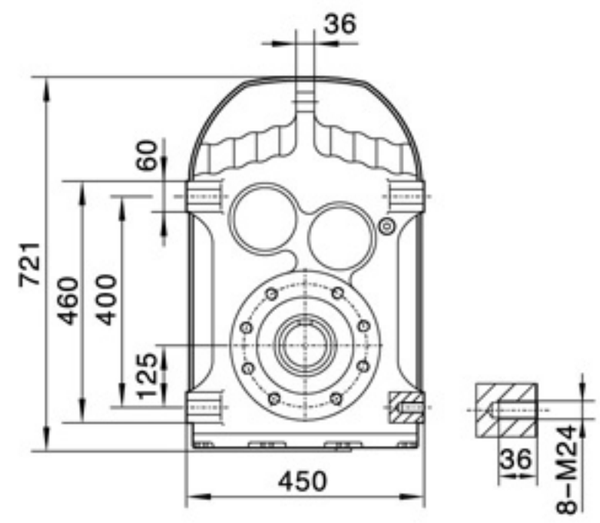
注：其余尺寸见相对应结构形式

Note:For other values please refer to the opposited structure.

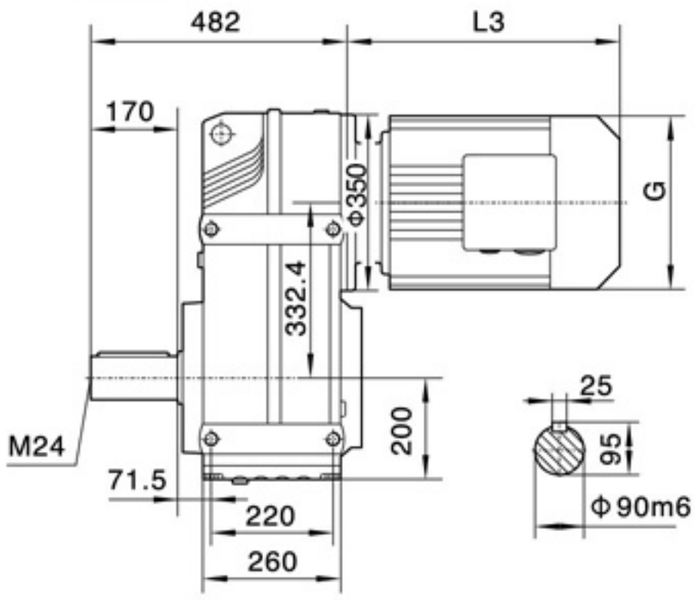
Y2电机机座号 Motor size	90S	90L	100		112M	132S	132M	160M	160L	180M	180L	200
功率/4P Power/(kW)	1.1	1.5	2.2	3	4	5.5	7.5	11	15	18.5	22	30
L3	280	304	315		334	425	461	524	547	555	588	654
G	195	195	215		240	275	275	330	330	380	380	420
L2	86	86	75		75	95	95	118	118	118	118	120

注:1.以上壳体为通用件,安装尺寸均可相互参照　2."F.."表示F、FA、FF、FAF、FAZ

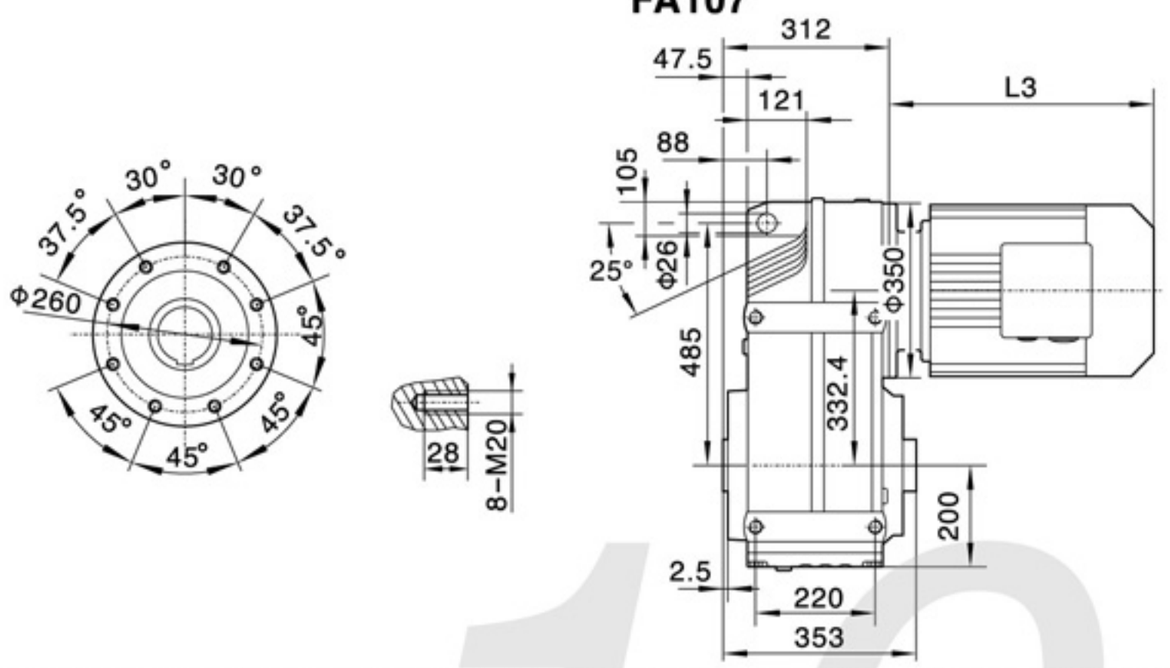
Note:1.The above housings are common parts.The mounting dimensions may consult each other.　2."F.."mean F、FA、FF、FAF、FAZ



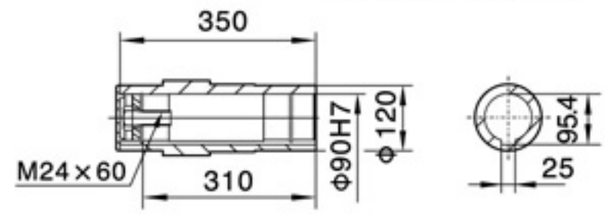
F107



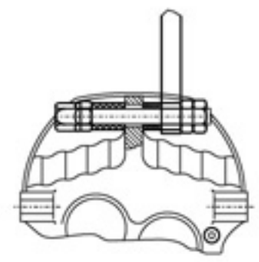
FA107



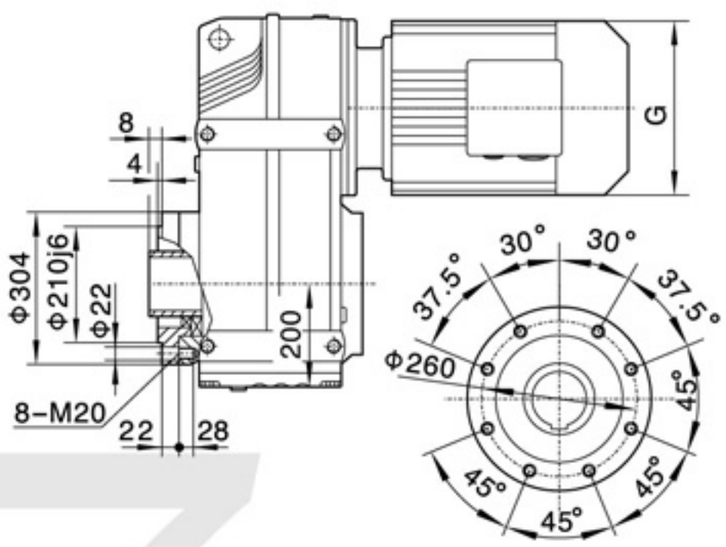
FA107/FAF107/FAZ107空心轴 /Hollow shaft



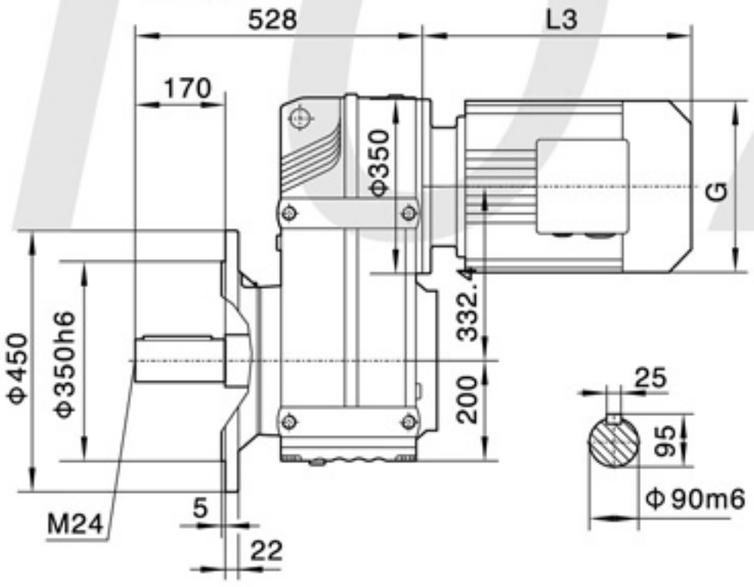
F..T107



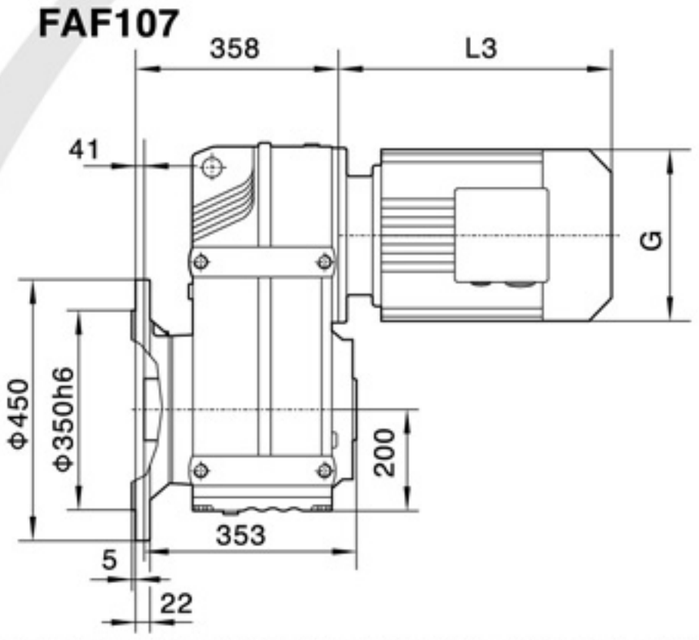
FAZ107

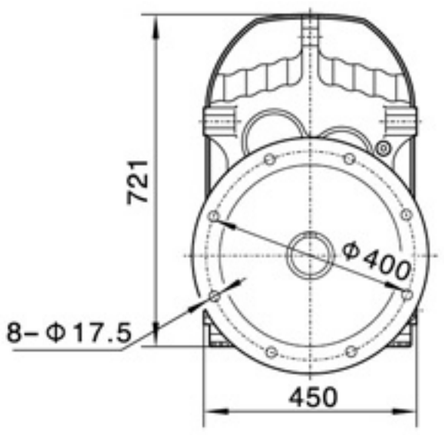


FF107



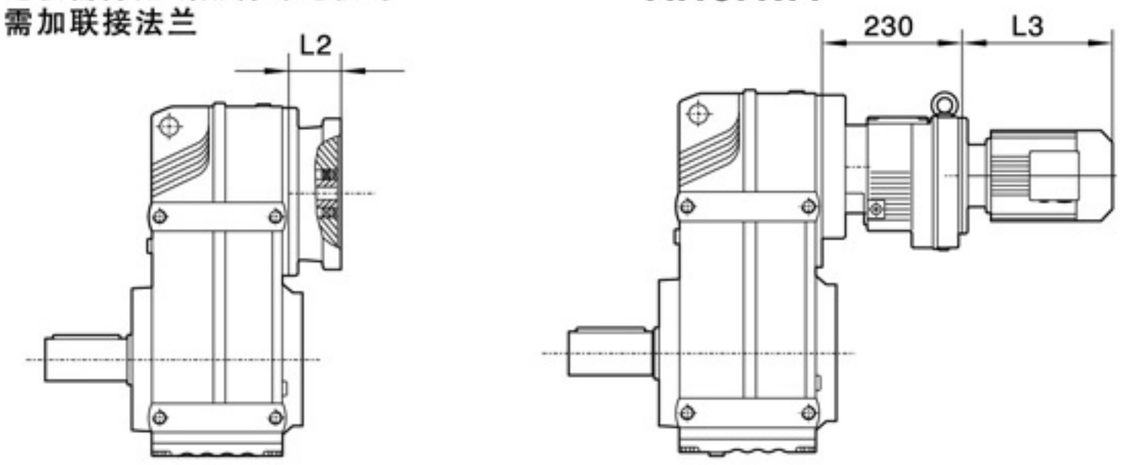
FAF107



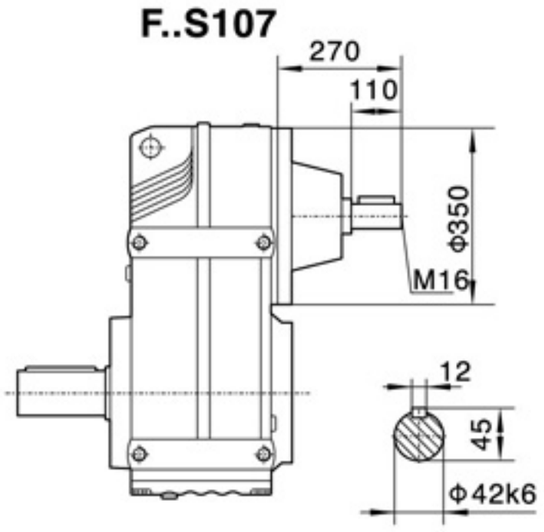


电机需方配或配特殊电机时
需加联接法兰

F..107R77



F..S107



注：其余尺寸见
相对应结构形式

Note:For other values please refer to the o-pposited stru-cture.

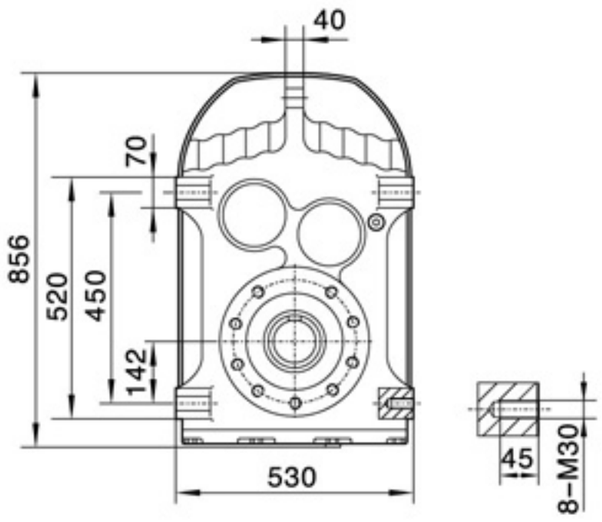
When equipping the user's motor or the special one,the flange is required to connected.

Y2电机机座号 Motor size	100		112M	132S	132M	160M	160L	180M	180L	200	225S	225M
功率/4P Power/(kW)	2.2	3	4	5.5	7.5	11	15	18.5	22	30	37	45
L3	318		334	386	422	504	519	555	588	654	680	702
G	215		240	275	275	330	330	380	380	420	470	470
L2	90		90	90	90	118	118	118	118	120	150	150

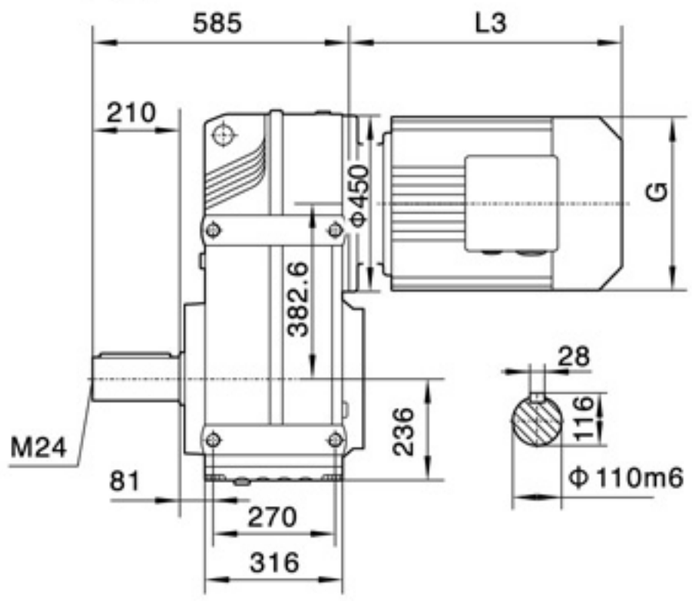
注:1.以上壳体为通用件,安装尺寸均可相互参照　2."F.."表示F、FA、FF、FAF、FAZ

Note:1.The above housings are common parts.The mounting dimensions may consult each other.　2."F.."mean F、FA、FF、FAF、FAZ

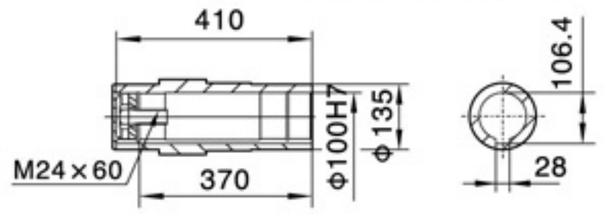
F



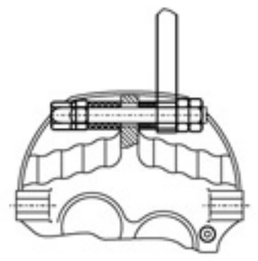
F127



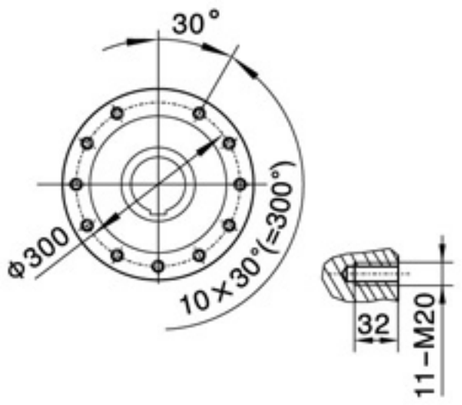
FA127/FAF127/FAZ127空心轴 /Hollow shaft

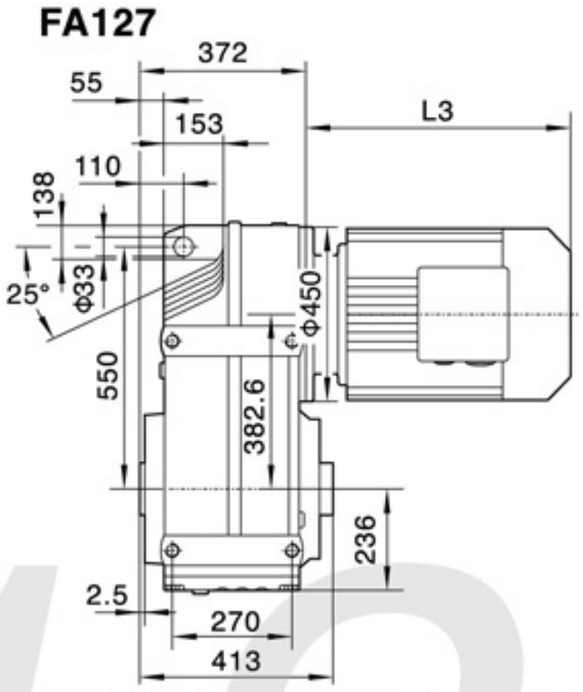


F..T127

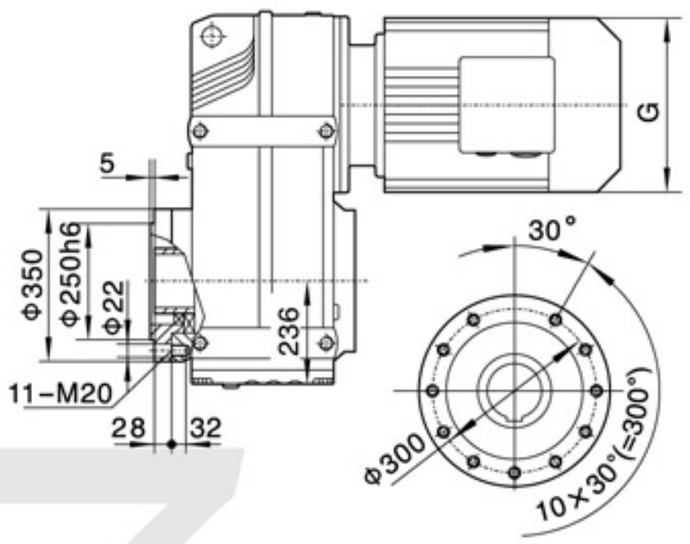


FA127

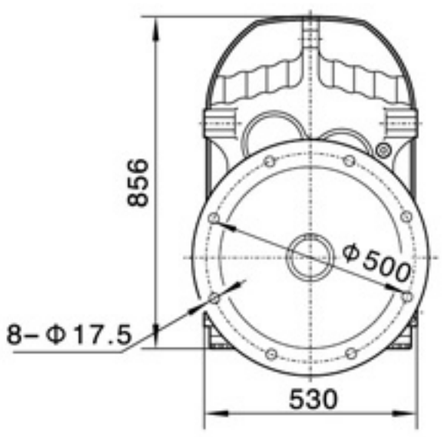


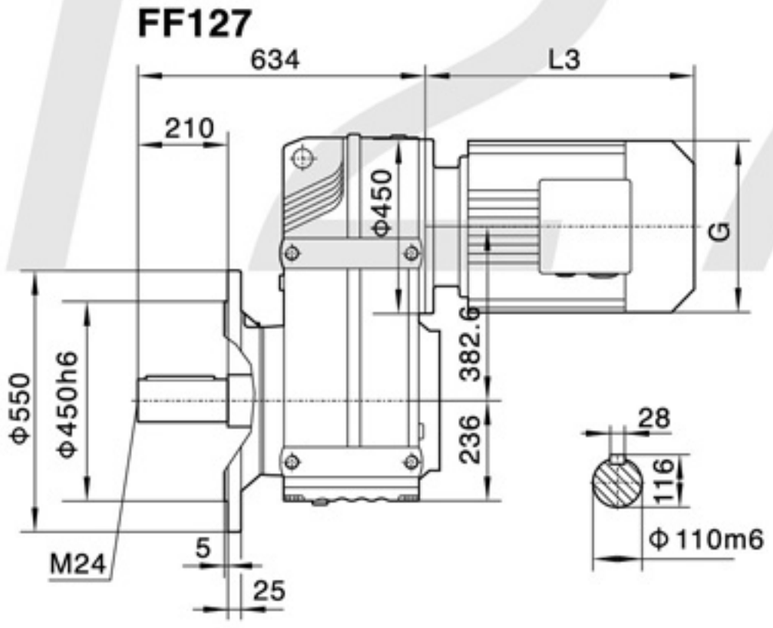


FAZ127

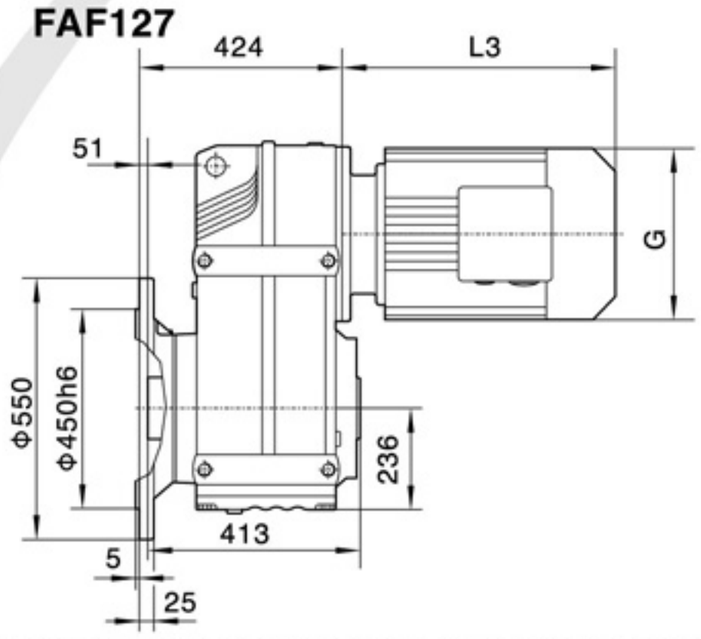


FF127



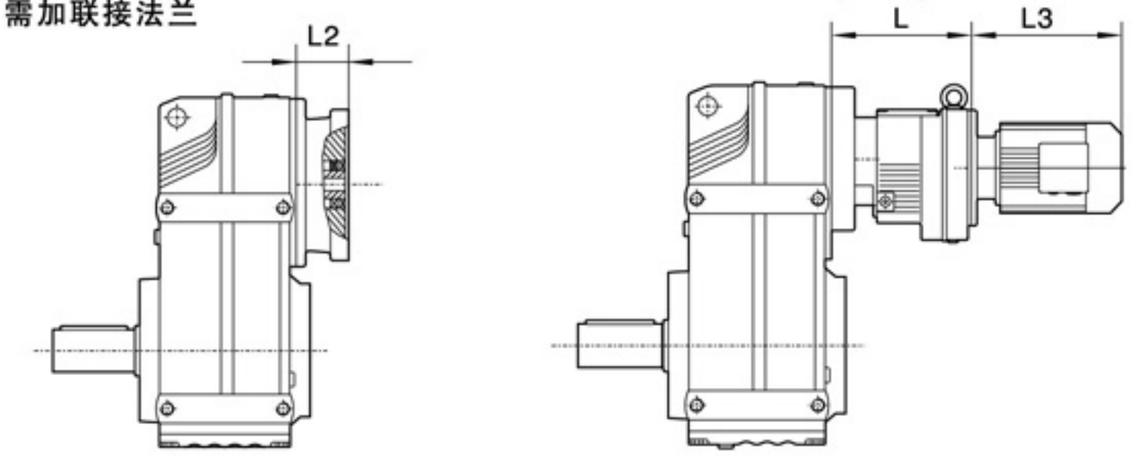


FAF127

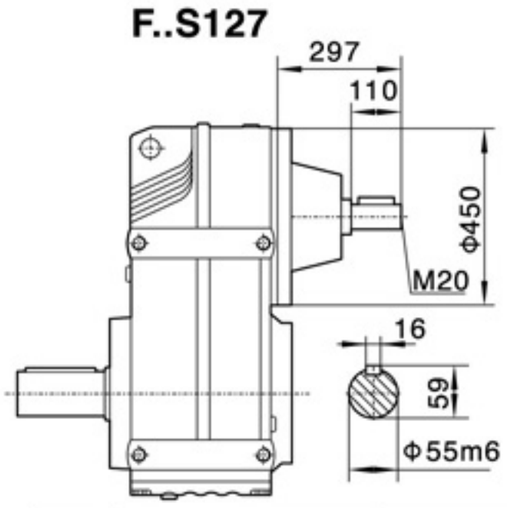


电机需方配或配特殊电机时
需加联接法兰

F..127R77(R87)



F..S127



注：其余尺寸见
相对应结构形式

Note:For other values please refer to the opposited structure.

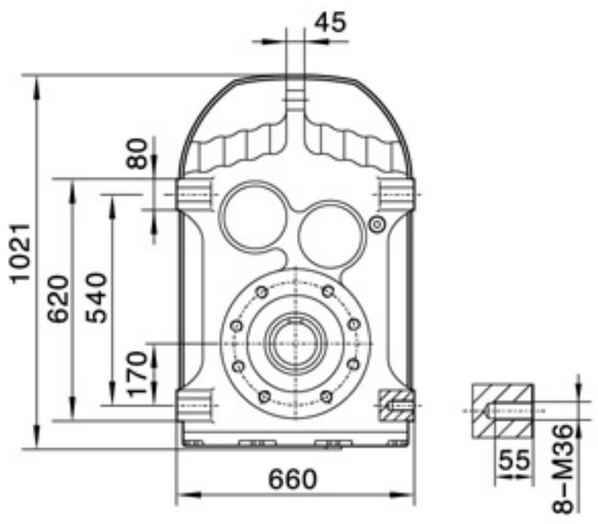
When equipping the user's motor or the special one,the flange is required to connected.

	F..127R77	F..127R87
L	230	275

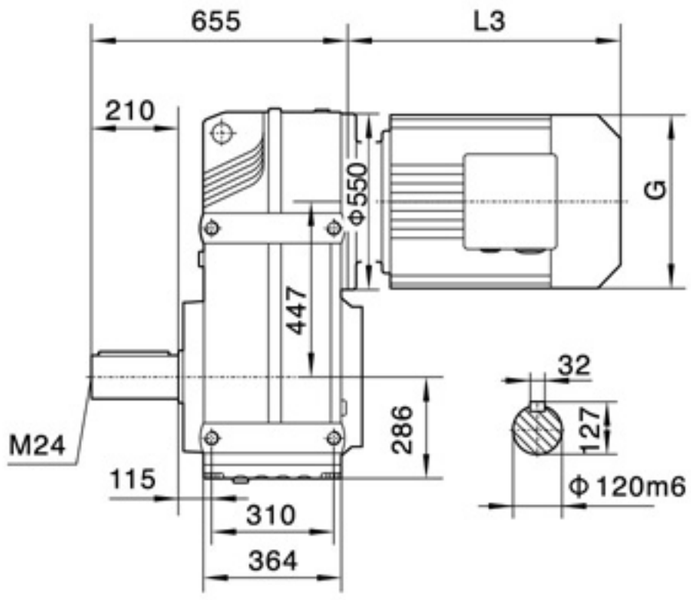
Y2电机机座号 Motor size	132M	160M	160L	180M	180L	200	225S	225M	250	280S	280M
功率/4P Power/(kW)	7.5	11	15	18.5	22	30	37	45	55	75	90
L3	424	567	602	583	616	654	674	696	775	847	847
G	275	330	330	380	380	420	470	470	510	580	580
L2	118	145	145	145	145	150	150	150	165	165	165

注:1.以上壳体为通用件,安装尺寸均可相互参照　2."F.."表示F、FA、FF、FAF、FAZ

Note:1.The above housings are common parts.The mounting dimensions may consult each other.　2."F.."mean F、FA、FF、FAF、FAZ



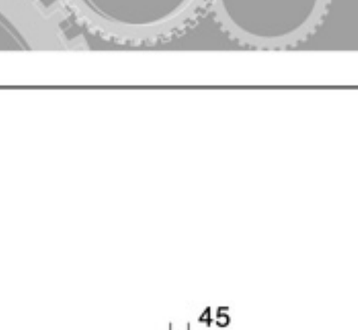
F157

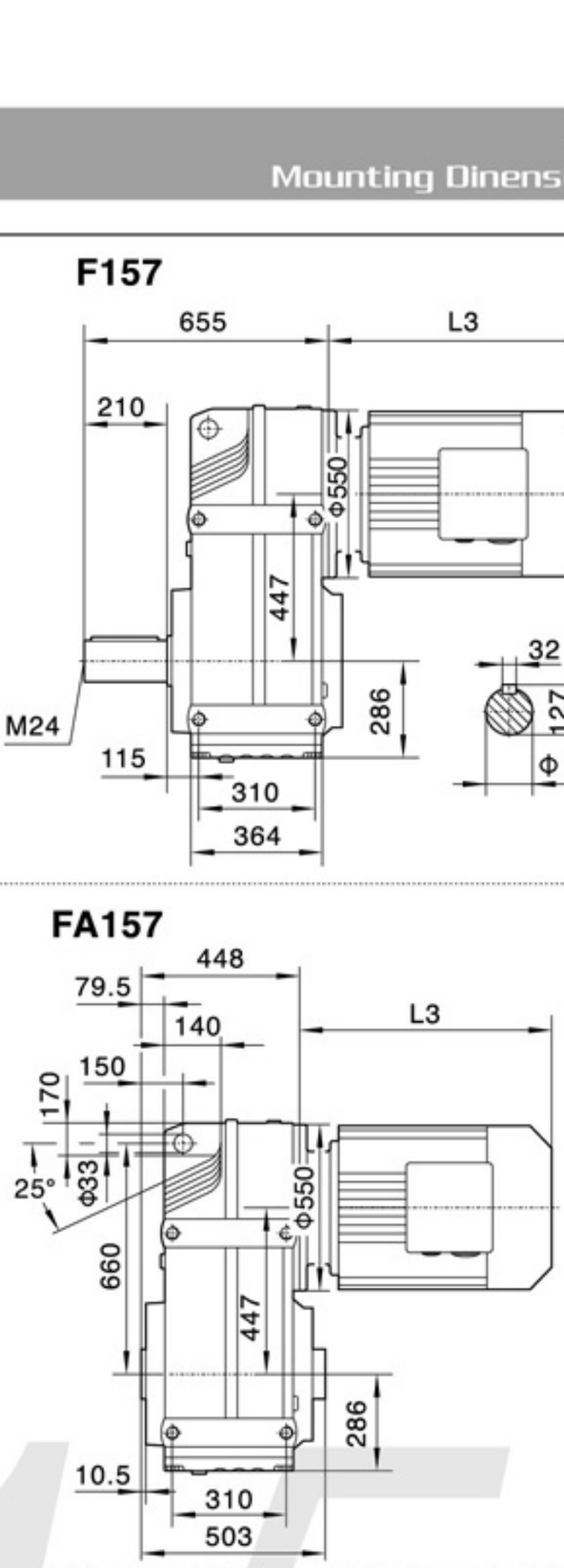


FA157/FAF157/FAZ157空心轴 /Hollow shaft

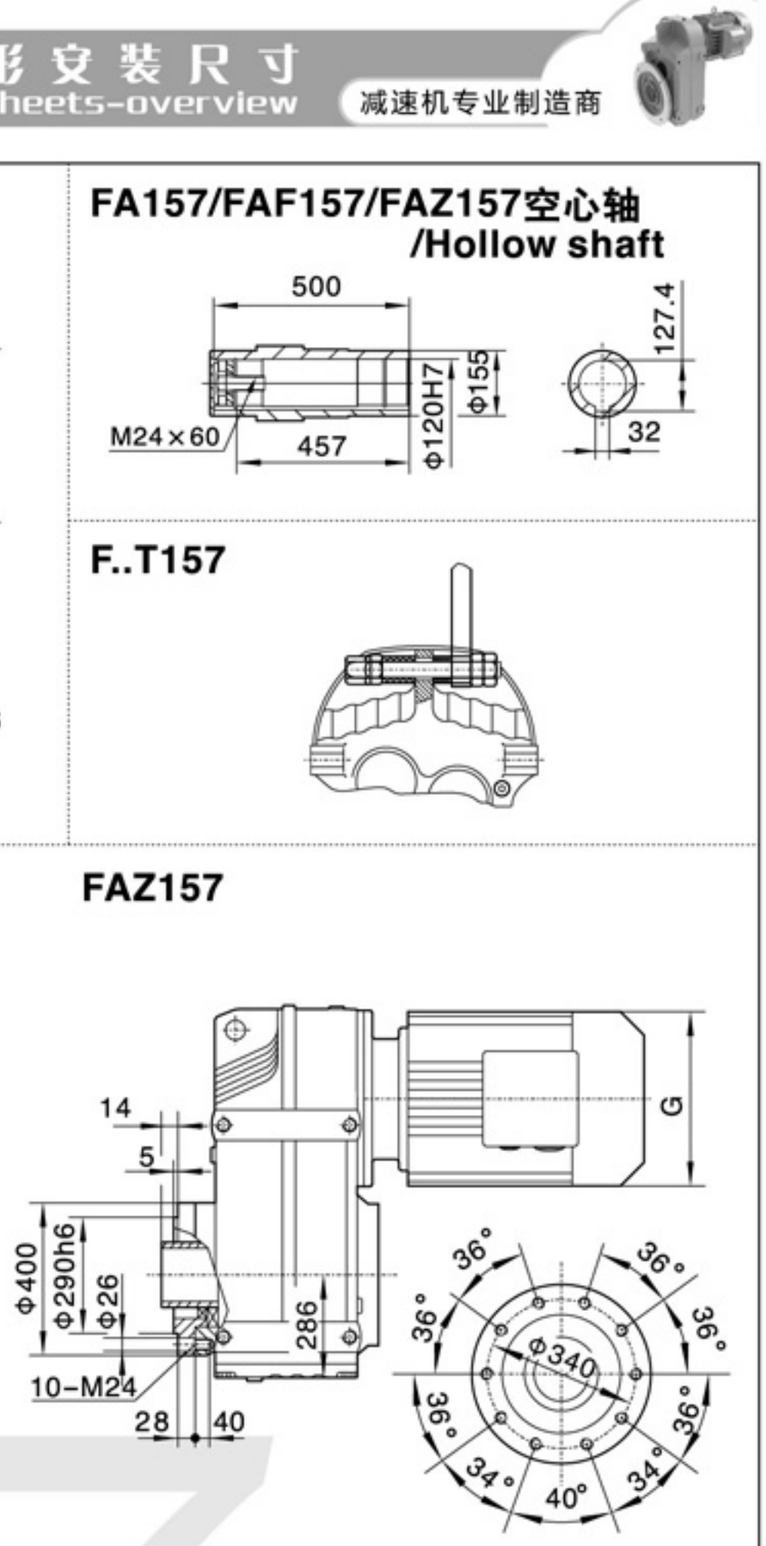
F..T157

FA157

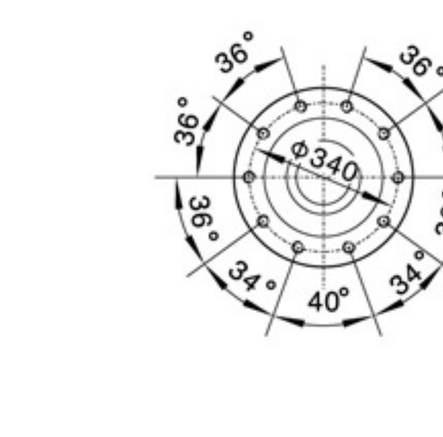


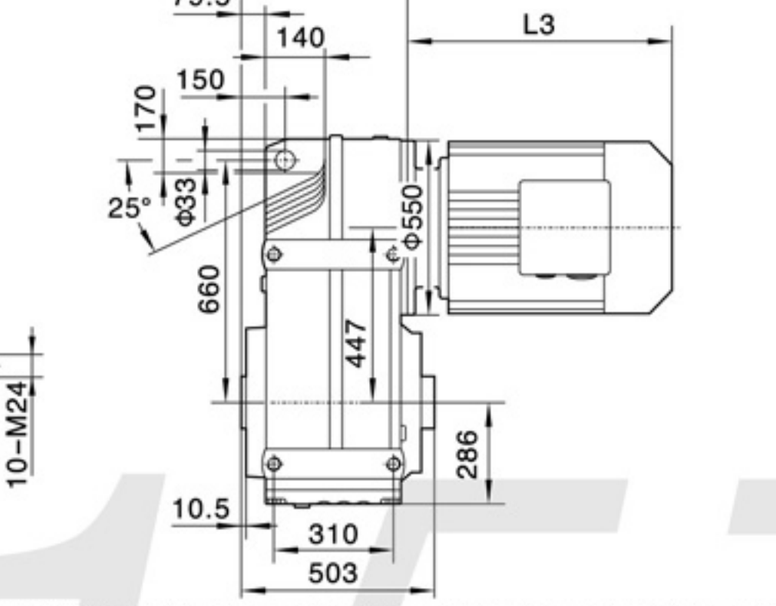


FAZ157



FF157



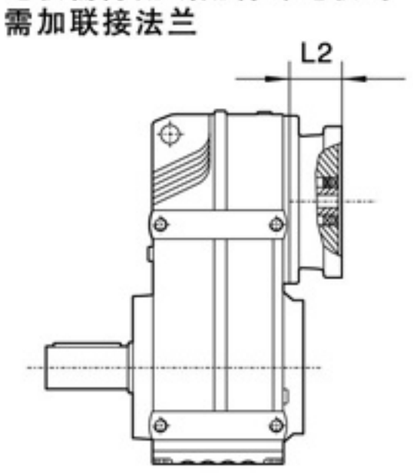


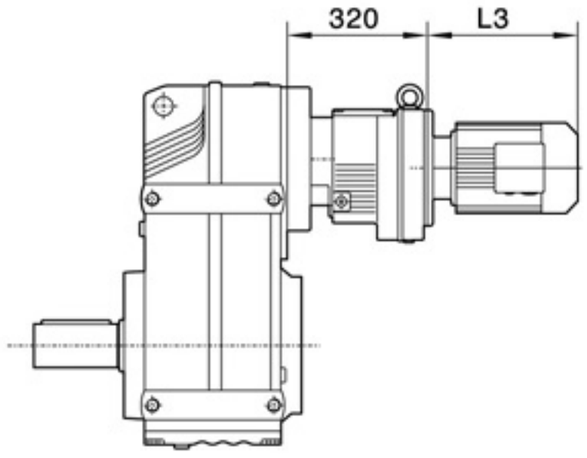
FAF157

电机需方配或配特殊电机时
需加联接法兰

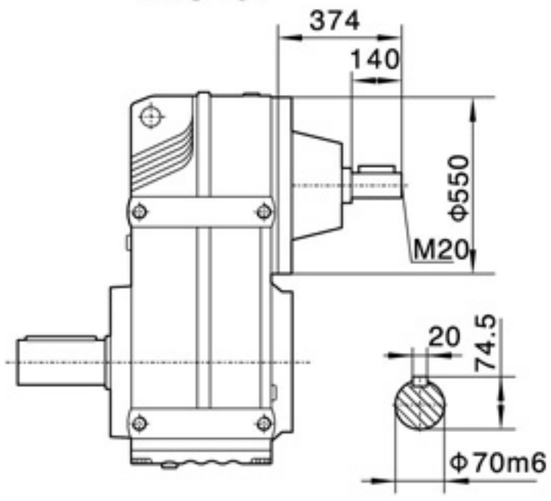
When equipping the user's motor or the special one,the flange is required to connected.

F..157R97





F..S157



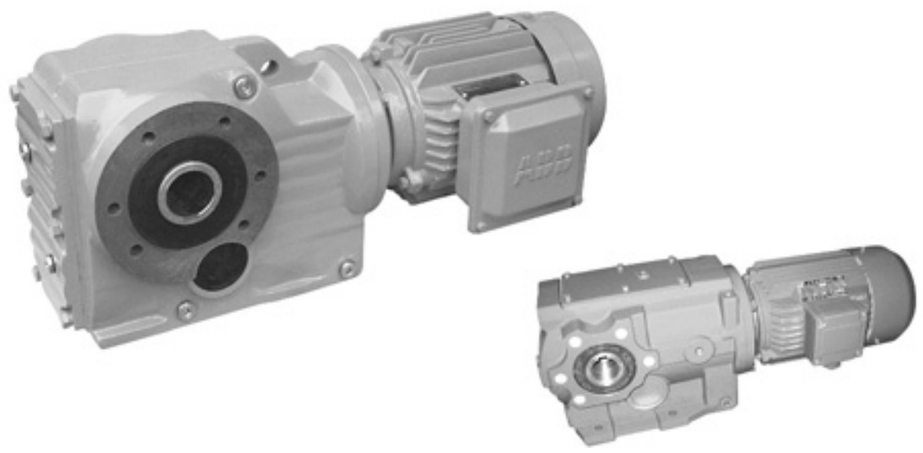
注：其余尺寸见相对应结构形式

Note:For other values please refer to the opposited structure.

Y2电机机座号 Motor size	160M	160L	180M	180L	200	225S	225M	250	280S	280M	315S	315M	315L
功率/4P Power/(kW)	11	15	18.5	22	30	37	45	55	75	90	110	132	160
L3	567	602	635	666	642	669	691	770	828	879	1100	1180	1270
G	330	330	380	380	420	470	470	510	580	580	645	645	645
L2	145	145	145	145	150	150	150	165	165	165	230	230	230

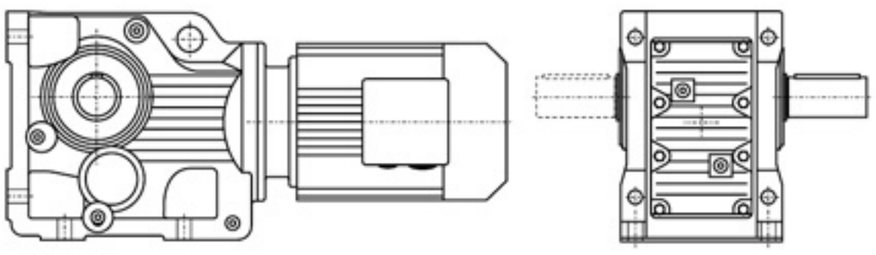
注:1.以上壳体为通用件,安装尺寸均可相互参照　2."F.."表示F、FA、FF、FAF、FAZ

Note:1.The above housings are common parts.The mounting dimensions may consult each other.　2."F.."mean F、FA、FF、FAF、FAZ



K系列减速机有以下设计方案：

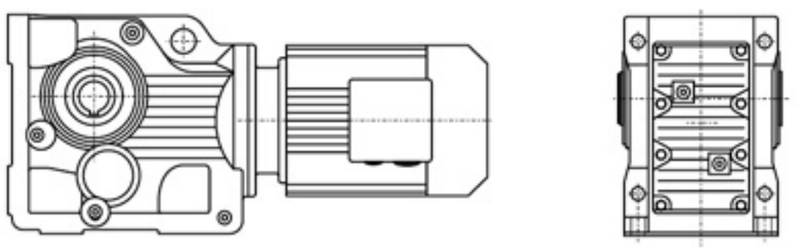
K series gear units are available in the following designs:



K..Y..

底脚轴伸式安装螺旋锥齿轮减速机

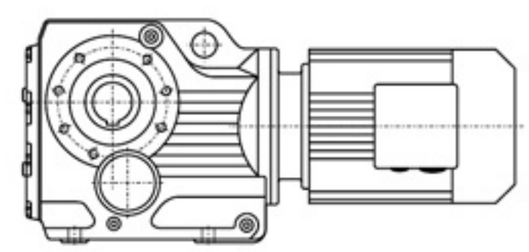
Foot-mounted helical-bevel gear units with solid shaft



KAB...Y..

底脚空心轴安装螺旋锥齿轮减速机

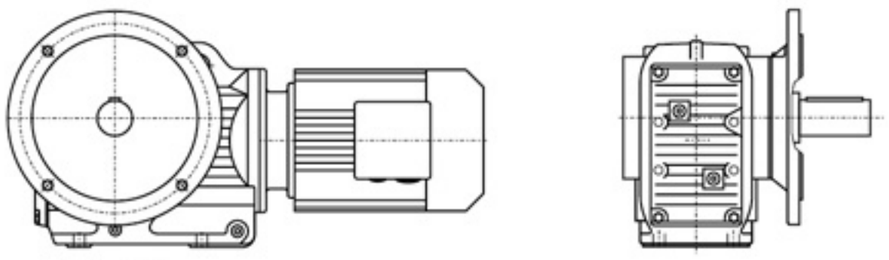
Foot-mounted helical-bevel gear units with hollow shaft



KA...Y..

空心轴安装螺旋锥齿轮减速机

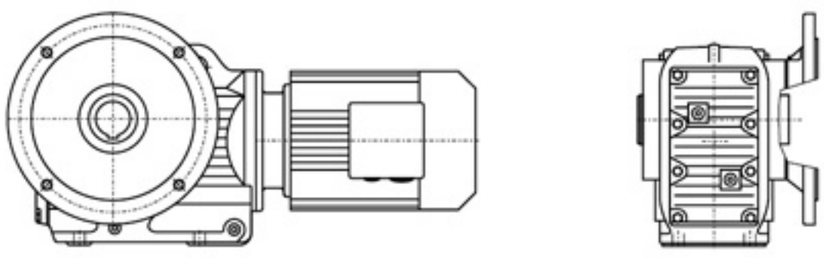
Helical-bevel gear units with hollow shaft



KF...Y..

法兰轴伸式安装螺旋锥齿轮减速机

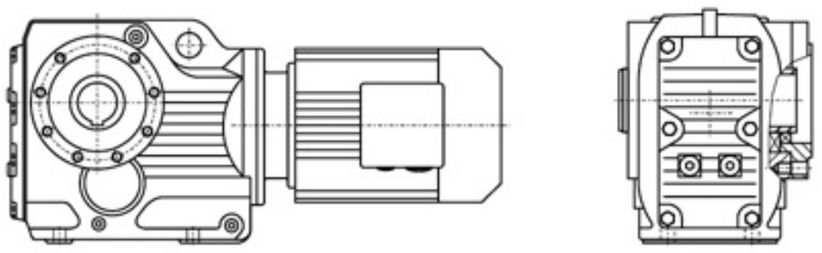
Flange-mounted helical-bevel gear units with solid shaft



KAF...Y..

法兰空心轴安装螺旋锥齿轮减速机

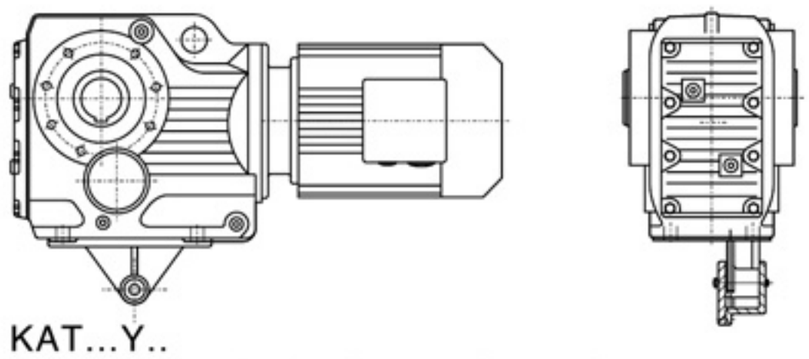
Flange-mounted helical-bevel gear units with hollow shaft



KAZ...Y..

小法兰空心轴安装螺旋锥齿轮减速机

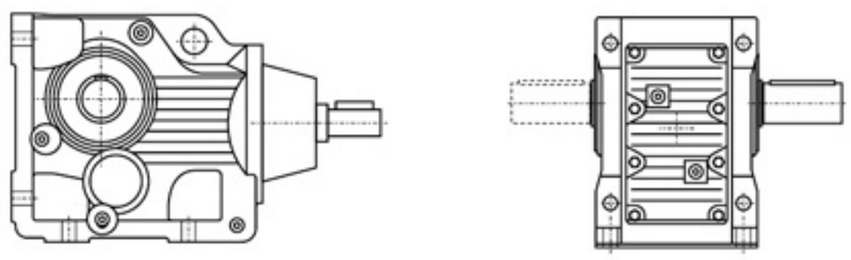
Short-flange-mounted helical-bevel gear units with hollow shaft



KAT...Y..

带防转臂空心轴安装螺旋锥齿轮减速机

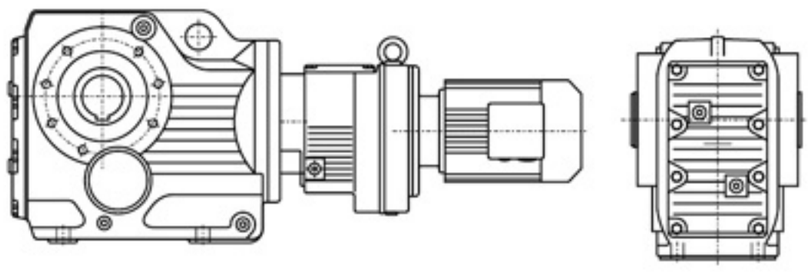
Torque-arm-mounted helical-bevel gear units with hollow shaft



K（KF、KA、KAF、KAB、KAZ）S...

轴输入的螺旋锥齿轮减速机

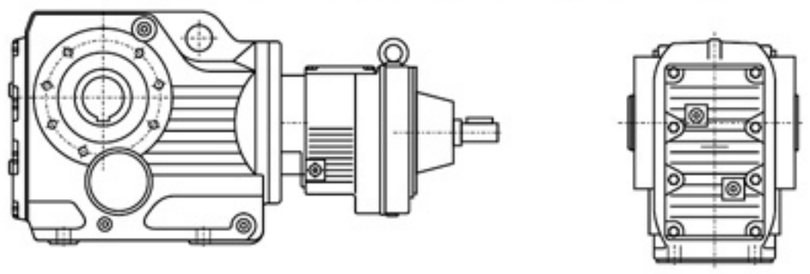
Shaft input helical-bevel gear units



KA（K、KF、KAF、KAB、KAZ）...R...Y...

组合式螺旋锥齿轮减速机

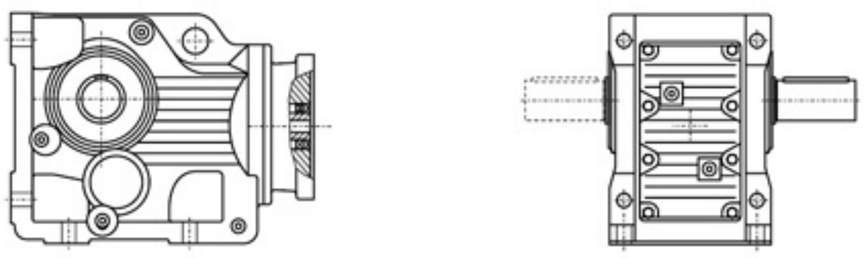
Combinatorial helical-bevel gear units



KA（K、KF、KAF、KAB、KAZ）S...R...

轴输入的组合式螺旋锥齿轮减速机

Shaft input combinatorial helical-bevel gear units



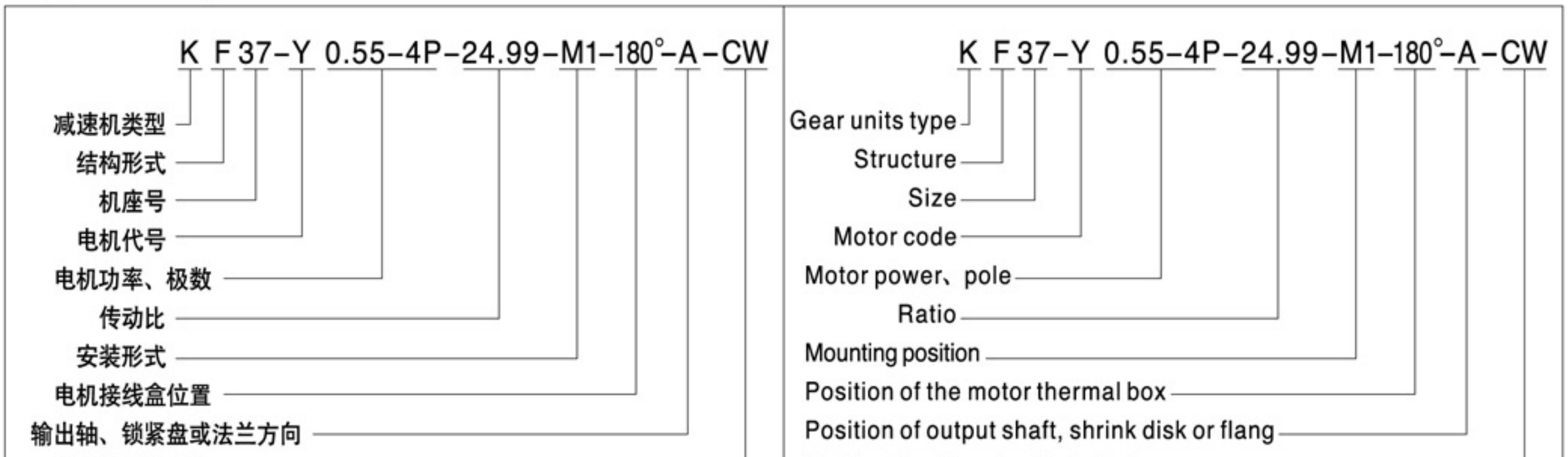
KA（K、KF、KAF、KAB、KAZ）...Y...

电机用户自配或配特殊电机时需加联接法兰

When equipping the user's motor or the special one,the flange is required to be connected



型号与标记：
Type Designations:



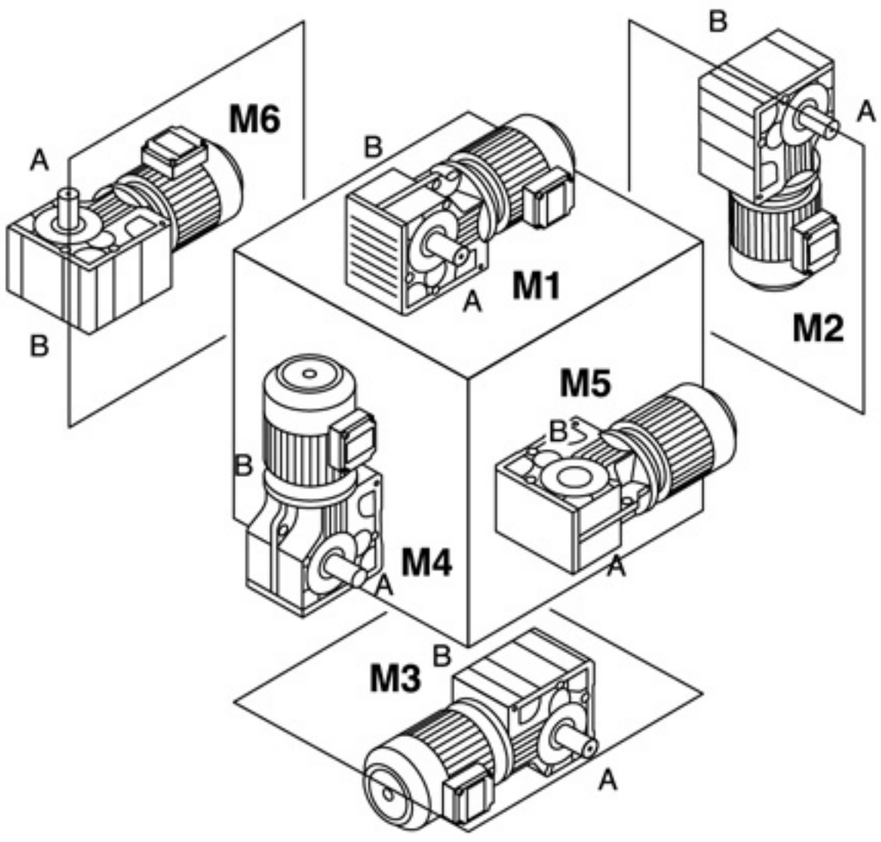
减速机类型： 斜齿－螺旋锥齿轮减速机	Gear units type: Helical-bevel gear units
结构形式： 普通轴伸式（省略） 轴装式 A 轴伸法兰式 F 轴装法兰式 AF 轴装小法兰式 AZ 轴装底脚式 AB 轴装带防转臂 AT 普通轴伸式，轴输入 S 普通轴装式，轴输入 AS 轴伸法兰式，轴输入 FS 轴装法兰式，轴输入 AFS *带锁紧盘式 H..(H,HF,HZ,HT)	Structure: Foot-mounted solid shaft output (-) Hollow shaft output A Flange-mounted solid shaft output F Flange-mounted hollow shaft output AF Short-flange-mounted hollow shaft output AZ Foot-mounted hollow shaft output AB Torque-arm-mounted hollow shaft output AT Foot-mounted solid shaft output, shaft input S Hollow shaft output,shaft input AS Flange-mounted solid shaft output,shaft input FS Flange-mounted hollow shaft output,shaft input AFS *Hollow shaft output with shrink disk H..(H,HF,HZ,HT)
规格： (见选型参数表)	Size: (see selection table)
电机代号： 普通(更新) Y(Y2) 防　　爆 B 直　　流 Z 制　　动 YEJ 多　　速 D 变　　频 YVP 电磁调速 YCT 冶金起重 R 变频制动 YVPJ 辊　　道 G	Motor code: Ordinary(renew) Y(Y2) Flame-proof B Direct current Z Brake YEJ Multi-speed D Variable frequency YVP Electromagnetism speed modulation YCT Hoisting in metallurgy R Variable frequency and brake YVPJ Roller tables G
电机功率、极数： (见选型参数表)	Motor power、pole： (see selection table)
传动比： (见选型参数表)	Ratio: (see selection table)
安装形式： M1、M2、M3、M4、M5、M6 (见第122页)	Mounting position: M1、M2、M3、M4、M5、M6(see page 122)
电机接线盒位置： 0°、90°、180°、270°(见第122页)	Position of the motor thermal box: 0°、90°、180°、270°(see page 122)
输出轴或法兰方向： 从电机尾部看左边为 A 从电机尾部看右边为 B （见安装形式） 从电机尾部看左右边为 A+B	Position of output shaft or flange: viewing on motor end:left side -A, right side-B,both sides-A+B(see mounting position)
输出轴旋转方向(面对输出轴方向看)： 顺时针方向 CW 逆时针方向 CCW	Rotate direction of output shaft (viewing on output shaft): Clockwise CW Counter clockwise CCW

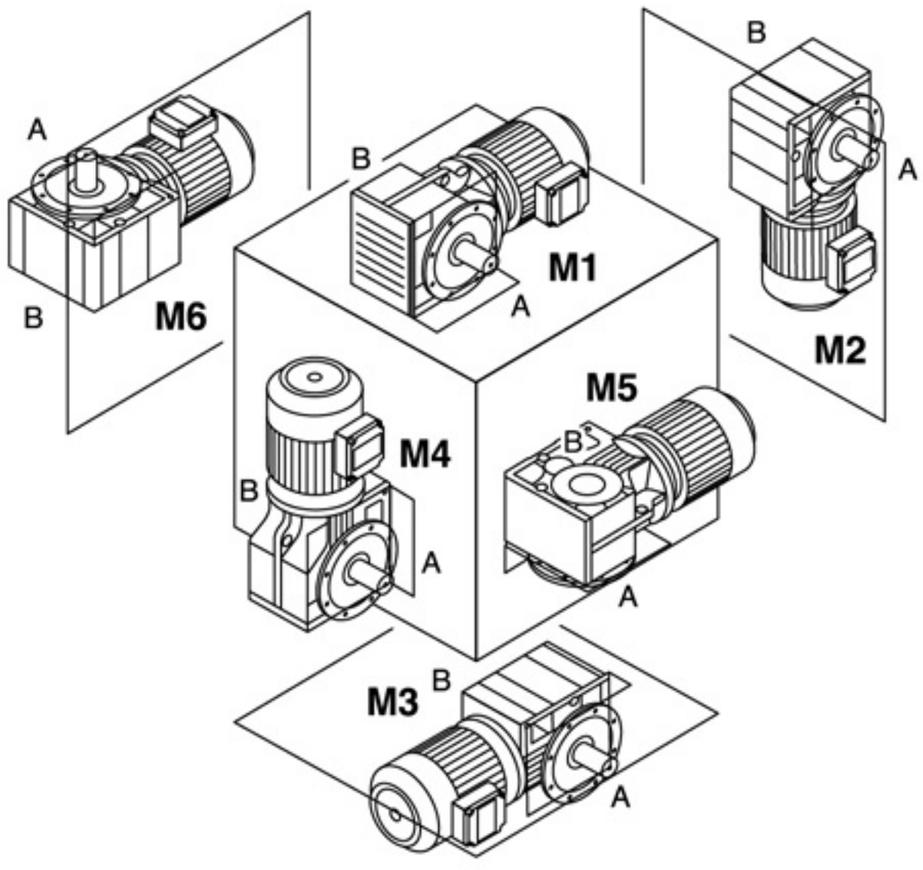
*带锁紧盘式，详见361-362页。

*Hollow shaft output with shrink disk, see P361-362 for detail.

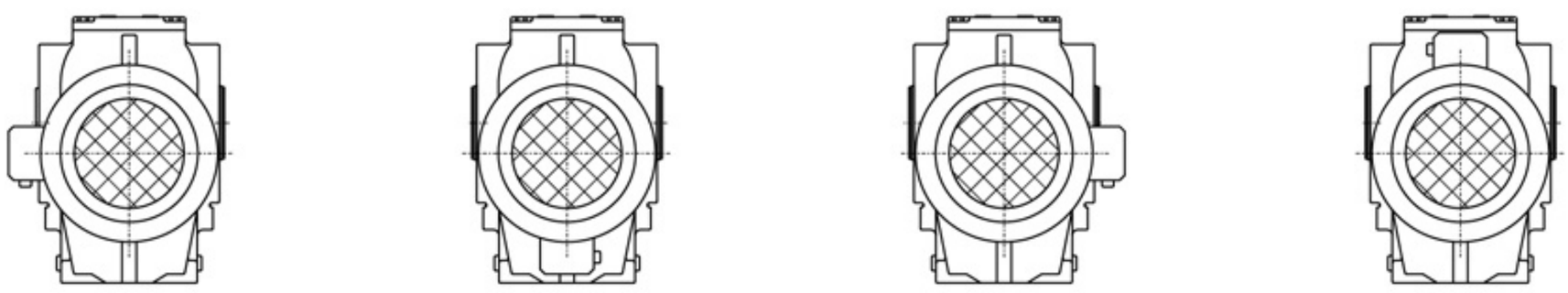
K

安装形式
Mounting position





电机接线盒位置
Position of the motor thermal box



输入功率及许用转矩
Input power rating and permissible torque

规 格 Size	37	47	57	67	77	87	97	107	127	157	167	187
结构形式 Structure	K KA KF KAF KAZ KAT KAB											
输入功率 Input power rating(kW)	0.18~3.0	0.18~3.0	0.18~5.5	0.18~5.5	0.37~11	0.75~22	1.1~30	3~45	7.5~90	11~160	11~200	18.5~200
传动比 Ratio	5.36~ 106.38	5.81~ 131.87	6.57~ 145.14	7.14~ 144.79	7.24~ 192.18	7.19~ 197.37	8.95~ 176.05	8.74~ 141.46	8.68~ 146.07	12.65~ 150.41	17.28~ 163.91	17.27~ 180.78
许用转矩 (N.m) Permissible torque	200	400	600	820	1550	2700	4300	8000	13000	18000	32000	50000

减速机重量
Gear unit weight

规 格 Size	37	47	57	67	77	87	97	107	127	157	167	187
重量(kg) Weight	11	20	27	33	57	85	130	250	380	610	1015	1700

所注重量为平均值，仅供参考
The weights are mean values,only for reference.



润 滑 油 量 表
Lubrication table

K...,KAB...:

规 格 Size	润 滑 油 量 （ 升 ） Fill quantity in liters					
	M1	M2	M3	M4	M5	M6
K..37	0.5	1	1	1.3	1	1
K..47	0.8	1.3	1.5	2	1.6	1.6
K..57	1.2	2.3	2.5	3	2.6	2.4
K..67	1.1	2.4	2.6	3.4	2.6	2.6
K..77	2.2	4.1	4.4	5.9	4.2	4.4
K..87	3.7	8	8.7	10.9	7.8	8
K..97	7	14	15.7	20	15.7	15.5
K..107	10	21	25.5	33.5	24	24
K..127	21	41.5	44	54	40	41
K..157	31	62	65	90	58	62
K..167	35	100	100	125	85	85
K..187	60	170	170	205	130	130

KF...:

规 格 Size	润 滑 油 量 （ 升 ） Fill quantity in liters					
	M1	M2	M3	M4	M5	M6
KF37	0.5	1.1	1.1	1.5	1	1
KF47	0.8	1.3	1.7	2.2	1.6	1.6
KF57	1.3	2.3	2.7	3	2.9	2.7
KF67	1.1	2.4	2.8	3.6	2.7	2.7
KF77	2.1	4.1	4.4	6	4.5	4.5
KF87	3.7	8.2	9	11.9	8.4	8.4
KF97	7	14.7	17.3	21.5	15.7	16.5
KF107	10	22	26	35	25	25
KF127	21	41.5	46	55	41	41
KF157	31	66	69	92	62	62

KA..、KAF..、KAZ...:

规 格 Size	润 滑 油 量 （ 升 ） Fill quantity in liters					
	M1	M2	M3	M4	M5	M6
K..37	0.5	1	1	1.4	1	1
K..47	0.8	1.3	1.6	2.1	1.6	1.6
K..57	1.3	2.3	2.7	3	2.9	2.7
K..67	1.1	2.4	2.7	3.6	2.6	2.6
K..77	2.1	4.1	4.6	6	4.4	4.4
K..87	3.7	8.2	8.8	11.1	8	8
K..97	7	14.7	15.7	20	15.7	15.7
K..107	10	20.5	24	32	24	24
K..127	21	41.5	43	52	40	40
K..157	31	66	67	87	62	62
KA..167	35	100	100	125	85	85
KA..187	60	170	170	205	130	130

K

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
0.18kW					
0.09	16482	14975	0.74		
0.11	13692	12440	0.89		
0.13	12013	10914	1.0		
0.14	10807	9819	1.1		
0.16	9293	8443	1.3	K 127R77	4
0.19	8236	7483	1.5	KF 127R77	4
0.21	7226	6565	1.7	KA 127R77	4
0.24	6388	5804	1.9	KAF127R77	4
0.28	5533	5027	2.2		
0.31	4868	4423	2.5		
0.37	4184	3801	2.9		
0.43	3563	3237	3.4		
0.17	9037	8211	0.8		
0.19	7888	7167	1.0		
0.23	6711	6097	1.1		
0.25	6144	5582	1.2		
0.27	5575	5065	1.3	K 107R77	4
0.32	4732	4299	1.6	KF 107R77	4
0.37	4135	3757	1.8	KA 107R77	4
0.43	3562	3236	2.1	KAF107R77	4
0.48	3158	2869	2.4		
0.56	2756	2504	2.7		
0.63	2425	2203	3.1		
0.30	5139	4669	0.79		
0.34	4493	4082	0.90		
0.39	3944	3583	1.0		
0.45	3421	3108	1.2		
0.50	3035	2757	1.3		
0.57	2662	2419	1.5		
0.65	2337	2123	1.7	K 97R57	4
0.75	2043	1856	2.0	KF 97R57	4
0.86	1789	1625	2.3	KA 97R57	4
0.97	1574	1430	2.6	KAF97R57	4
1.1	1388	1261	2.9		
1.3	1213	1102	3.3		
1.5	1053	957	3.8		
1.6	941	855	4.3		
1.9	818	743	4.9		
2.1	717	651	5.6		
0.45	3420	3107	0.74		
0.51	3003	2728	0.85		
0.59	2610	2371	0.97		
0.67	2298	2088	1.1		
0.75	2041	1854	1.2	K 87R57	4
0.84	1825	1658	1.4	KF 87R57	4
1.0	1557	1415	1.6	KA 87R57	4
1.1	1353	1229	1.9	KAF87R57	4
1.3	1187	1078	2.1		
1.5	1047	951	2.4		
1.7	921	837	2.8		
1.9	799	726	3.2		
0.9	1666	1514	0.9		
1.0	1528	1388	1.0		
1.1	1341	1218	1.1		
1.3	1159	1053	1.3		
1.5	1017	924	1.4	K 77R37	4
1.7	897	815	1.6	KF 77R37	4
2.0	780	709	1.9	KA 77R37	4
2.2	685	622	2.1	KAF77R37	4
2.5	608	552	2.4		
2.9	534	485	2.7		
3.2	471	428	3.1		
3.8	404	367	3.6		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
0.18kW					
1.5	994	903	0.78		
1.8	873	793	0.88		
2.0	767	697	1.0		
2.3	675	613	1.1	K 67R37	4
2.6	597	542	1.3	KF 67R37	4
3.0	518	471	1.5	KA 67R37	4
3.3	462	420	1.7	KAF67R37	4
3.9	397	361	1.9		
4.3	356	323	2.2		
5.1	299	272	2.6		
2.3	677	615	0.8		
2.6	599	544	0.9		
2.9	521	473	1.1		
3.3	463	421	1.2		
3.8	398	362	1.4	K 57R37	4
4.4	351	319	1.6	KF 57R37	4
5.1	300	273	1.9	KA 57R37	4
5.8	264	240	2.1	KAF57R37	4
6.5	237	215	2.4		
7.2	211	192	2.7		
8.4	183	166	3.1		
3.7	413	375	0.9		
4.3	359	326	1.0		
4.8	318	289	1.2		
5.6	275	250	1.4	K 47R37	4
6.2	248	225	1.5	KF 47R37	4
7.0	218	198	1.7	KA 47R37	4
8.3	184	167	2.0	KAF47R37	4
9.3	164	149	2.3		
11	141	128	2.7		
6.8	226	205	0.83		
7.7	199	181	0.94	K 37R17	4
8.7	176	160	1.07	KF 37R17	4
10	150	136	1.26	KA 37R17	4
11	140	127	1.34	KAF37R17	4
5.9	275	144.79	2.8	K 67	6
6.9	235	123.54	3.3	KF 67	6
7.9	205	108.03	3.8	KA 67	6
8.3	195	102.62	4.0	KAF67	6
9.6	168	144.79	4.6	K 67	4
11	144	123.54	5.4	KF 67	4
13	126	108.03	6.1	KA 67	4
				KAF67	4
5.9	276	145.14	2.0		
6.9	235	123.85	2.4	K 57	6
7.8	206	108.29	2.7	KF 57	6
8.3	196	102.88	2.9	KA 57	6
9.4	172	90.26	3.3	KAF57	6
9.6	169	145.14	3.3		
11	144	123.85	3.9	K 57	4
13	126	108.29	4.5	KF 57	4
14	120	102.88	4.7	KA 57	4
15	105	90.26	5.4	KAF57	4
18	89	76.56	6.3		
6.4	251	131.87	1.50	K 47	6
7.0	231	121.48	1.63	KF 47	6
8.1	198	104.37	1.90	KA 47	6
9.4	173	90.86	2.2	KAF47	6
10	162	85.12	2.3		



K

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
0.18kW					
11	153	131.87	2.5	K 47	4
12	141	121.48	2.7	KF 47	4
13	121	104.37	3.1	KA 47	4
15	106	90.86	3.6	KAF47	4
16	99	85.12	3.8		
8.0	202	106.38	0.93	K 37	6
8.7	186	97.81	1.01	KF 37	6
10	159	83.69	1.18	KA 37	6
12	138	72.54	1.36	KAF37	6
13	124	106.38	1.52		
14	114	97.81	1.65		
17	97	83.69	1.93		
19	84	72.54	2.2		
21	79	67.80	2.4		
24	68	58.60	2.8		
28	58	49.79	3.2		
31	52	44.46	3.6		
37	44	37.97	4.3		
39	41	35.57	4.5	K 37	4
46	35	29.96	5.4	KF 37	4
48	34	28.83	5.6	KA 37	4
56	29	24.99	6.5	KAF37	4
60	27	23.36	6.7		
69	23	20.19	7.4		
81	20	17.15	8.5		
91	18	15.31	9.2		
106	15	13.08	10		
114	14	12.14	11		
133	12	10.49	12		
156	10	8.91	15		
175	9	7.96	16		
0.25kW					
0.14	15010	9819	0.81		
0.16	12907	8443	0.95		
0.19	11438	7482	1.07	K 127R77	4
0.21	10036	6565	1.2	KF 127R77	4
0.24	8872	5804	1.4	KA 127R77	4
0.28	7685	5027	1.6	KAF127R77	4
0.31	6761	4423	1.8		
0.37	5811	3801	2.1		
0.43	4948	3237	2.5		
0.23	9320	6097	0.81		
0.25	8533	5582	0.88		
0.27	7743	5065	1.0		
0.32	6572	4299	1.1		
0.37	5743	3757	1.3		
0.43	4947	3236	1.5	K 107R77	4
0.48	4386	2869	1.7	KF 107R77	4
0.56	3828	2504	2.0	KA 107R77	4
0.63	3368	2203	2.2	KAF107R77	4
0.74	2857	1869	2.6		
0.82	2582	1689	2.9		
0.91	2343	1533	3.2		
1.06	2013	1317	3.7		
0.45	4751	3108	0.9	K 97R57	4
0.50	4215	2757	1.0	KF 97R57	4
0.57	3698	2419	1.1	KA 97R57	4
0.65	3245	2123	1.2	KAF97R57	4
0.75	2837	1856	1.4		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
0.25kW					
0.86	2484	1625	1.6		
1.0	2186	1430	1.8	K 97R57	4
1.1	1928	1261	2.1	KF 97R57	4
1.3	1685	1102	2.4	KA 97R57	4
1.5	1463	957	2.8	KAF97R57	4
1.6	1307	855	3.1		
0.7	3192	2088	0.80		
0.7	2834	1854	0.90		
0.8	2535	1658	1.0		
1.0	2163	1415	1.2	K 87R57	4
1.1	1879	1229	1.4	KF 87R57	4
1.3	1648	1078	1.5	KA 87R57	4
1.5	1454	951	1.7	KAF87R57	4
1.7	1280	837	2.0		
1.9	1110	726	2.3		
2.2	975	638	2.6		
1.3	1610	1053	0.9		
1.5	1413	924	1.0		
1.7	1246	815	1.2		
2.0	1084	709	1.3		
2.2	951	622	1.5		
2.5	844	552	1.7	K 77R37	4
2.9	741	485	2.0	KF 77R37	4
3.2	654	428	2.2	KA 77R37	4
3.9	547	358	2.7	KAF77R37	4
4.3	489	320	3.0		
4.9	433	283	3.4		
5.7	376	246	3.9		
6.4	330	216	4.4		
7.3	292	191	5.0		
8.2	260	170	5.6		
2.3	937	613	0.8		
2.6	829	542	0.9		
3.0	720	471	1.1	K 67R37	4
3.3	642	420	1.2	KF 67R37	4
3.9	552	361	1.4	KA 67R37	4
4.3	494	323	1.6	KAF67R37	4
5.1	416	272	1.9		
5.8	367	240	2.1		
6.4	332	217	2.3		
3.3	644	421	0.9		
3.8	553	362	1.0		
4.4	488	319	1.2		
5.1	417	273	1.4		
5.8	367	240	1.5	K 57R37	4
6.5	329	215	1.7	KF 57R37	4
7.2	294	192	1.9	KA 57R37	4
8.4	254	166	2.2	KAF57R37	4
9.9	216	141	2.6		
11	193	126	2.9		
13	165	108	3.4		
15	145	95	3.9		
4.2	536	154.02	2.7	K 77	8
4.8	471	135.28	3.1	KF 77	8
5.0	447	128.52	3.3	KA 77	8
5.7	395	113.56	3.7	KAF77	8
4.4	507	192.18	2.9	K 77	6
4.7	474	179.37	3.1	KF 77	6
5.5	407	154.02	3.6	KA 77	6
6.3	357	135.28	4.1	KAF77	6

K

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
0.25kW					
5.2	430	123.54	1.8	K 67	8
6.0	376	108.03	2.1	KF 67	8
6.3	357	102.62	2.2	KA 67	8
7.2	313	90.04	2.5	KAF67	8
5.9	382	144.79	2.0	K 67	6
6.9	326	123.54	2.4	KF 67	6
7.9	285	108.03	2.7	KA 67	6
8.3	271	102.62	2.8	KAF67	6
9.6	234	144.79	3.3	K 67	4
11	199	123.54	3.9	KF 67	4
13	174	108.03	4.4	KA 67	4
14	166	102.62	4.7	KAF67	4
5.9	383	145.14	1.5		
6.9	327	123.85	1.7	K 57	6
7.8	286	108.29	2.0	KF 57	6
8.3	272	102.88	2.1	KA 57	6
9.4	238	90.26	2.4	KAF57	6
11	202	76.56	2.8		
9.6	234	145.14	2.4		
11	200	123.85	2.8	K 57	4
13	175	108.29	3.2	KF 57	4
14	166	102.88	3.4	KA 57	4
15	146	90.26	3.9	KAF57	4
18	124	76.56	4.6		
6.4	348	131.87	1.08		
7.0	321	121.48	1.17	K 47	6
8.1	276	104.37	1.36	KF 47	6
9.4	240	90.86	1.57	KA 47	6
10	225	85.12	1.67	KAF47	6
11	213	131.87	1.77		
11	196	121.48	1.92	K 47	4
13	169	104.37	2.2	KF 47	4
15	147	90.86	2.6	KA 47	4
16	137	85.12	2.7	KAF47	4
10	221	83.69	0.9		
12	192	72.54	1.0	K 37	6
13	179	67.80	1.1	KF 37	6
15	155	58.60	1.2	KA 37	6
17	131	49.79	1.4	KAF37	6
13	172	106.38	1.1		
14	158	97.81	1.2		
17	135	83.69	1.4		
19	117	72.54	1.6		
21	109	67.80	1.7		
24	95	58.60	2.0		
28	80	49.79	2.3		
31	72	44.46	2.6		
37	61	37.97	3.1		
39	57	35.57	3.3	K 37	4
46	48	29.96	3.9	KF 37	4
48	47	28.83	4.0	KA 37	4
56	40	24.99	4.7	KAF37	4
60	38	23.36	4.9		
69	33	20.19	5.3		
81	28	17.15	6.1		
91	25	15.31	6.7		
106	21	13.08	7.3		
114	20	12.14	7.7		
133	17	10.49	8.9		
156	14	8.91	10		
175	13	7.96	11		
204	11	6.80	13		
218	10	6.37	13		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
0.37kW					
0.19	16930	7483	0.72		
0.21	14853	6565	0.82		
0.24	13131	5804	0.93	K 127R77	4
0.28	11373	5027	1.07	KF 127R77	4
0.31	10007	4423	1.22	KA 127R77	4
0.37	8600	3801	1.42	KAF127R77	4
0.43	7324	3237	1.67		
0.72	4357	1926	2.80		
0.79	3975	1757	3.07		
0.90	3486	1541	3.51		
0.37	8500	3757	0.88		
0.43	7321	3236	1.03		
0.48	6491	2869	1.16		
0.56	5665	2504	1.33	K 107R77	4
0.63	4984	2203	1.51	KF 107R77	4
0.74	4229	1869	1.78	KA 107R77	4
0.82	3821	1689	1.97	KAF107R77	4
0.91	3468	1533	2.2		
1.06	2980	1317	2.5		
1.21	2602	1150	2.9		
0.65	4803	2123	0.84		
0.75	4199	1856	0.96		
0.86	3676	1625	1.10		
0.97	3235	1430	1.25	K 97R57	4
1.1	2853	1261	1.42	KF 97R57	4
1.3	2493	1102	1.62	KA 97R57	4
1.5	2165	957	1.87	KAF97R57	4
1.6	1934	855	2.1		
1.9	1681	743	2.4		
2.1	1473	651	2.7		
2.4	1296	573	3.1		
1.0	3201	1415	0.79		
1.1	2781	1229	0.91		
1.3	2439	1078	1.04		
1.5	2152	951	1.18	K 87R57	4
1.7	1894	837	1.34	KF 87R57	4
1.9	1643	726	1.55	KA 87R57	4
2.2	1443	638	1.76	KAF87R57	4
2.5	1272	562	2.0		
2.9	1072	474	2.4		
3.3	964	426	2.6		
3.7	844	373	3.0		
1.7	1844	815	0.79		
2.0	1604	709	0.91		
2.2	1407	622	1.04		
2.5	1249	552	1.17	K 77R37	4
2.9	1097	485	1.33	KF 77R37	4
3.2	968	428	1.50	KA 77R37	4
3.9	810	358	1.80	KAF77R37	4
4.3	724	320	2.0		
4.9	640	283	2.3		
5.7	557	246	2.6		
6.4	489	216	3.0		
7.3	432	191	3.4		
8.2	385	170	3.8		
9.3	339	150	4.3		
3.3	950	420	0.81		
3.9	817	361	0.94		
4.3	731	323	1.05		
5.1	615	272	1.25	K 67R37	4
5.8	543	240	1.42	KF 67R37	4
6.4	491	217	1.57	KA 67R37	4
7.3	432	191	1.78	KAF67R37	4
8.4	376	166	2.05		
9.7	326	144	2.37		
12	269	119	2.86		



输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
0.37kW					
5.1	618	273	0.91		
5.8	543	240	1.04		
6.5	486	215	1.16	K 57R37	4
7.2	434	192	1.30	KF 57R37	4
8.4	376	166	1.50	KA 57R37	4
9.9	319	141	1.77	KAF57R37	4
11	285	126	1.98		
13	244	108	2.3		
15	215	95	2.6		
3.8	868	174.99	2.9	K 87	8
4.1	813	164.05	3.1	KF 87	8
4.6	729	147.09	3.5	KA 87	8
				KAF87	8
4.5	740	197.27	3.4	K 87	6
5.1	657	174.99	3.9	KF 87	6
				KA 87	6
				KAF87	6
5.0	671	135.28	2.2	K 77	8
5.2	637	128.52	2.3	KF 77	8
5.9	563	113.56	2.6	KA 77	8
6.9	481	97.05	3.0	KAF77	8
5.7	578	154.02	2.5	K 77	6
6.5	508	135.28	2.9	KF 77	6
6.9	482	128.52	3.0	KA 77	6
7.8	426	113.56	3.4	KAF77	6
7.23	459	192.18	3.2	K 77	4
7.75	429	179.37	3.4	KF 77	4
9.02	368	154.02	4.0	KA 77	4
				KAF77	4
6.2	536	108.03	1.44	K 67	8
6.5	509	102.62	1.52	KF 67	8
7.4	446	90.04	1.73	KA 67	8
				KAF67	8
7.2	464	123.54	1.66	K 67	6
8.2	405	108.03	1.90	KF 67	6
8.6	385	102.62	2.0	KA 67	6
9.8	338	90.04	2.3	KAF67	6
9.6	346	144.79	2.2		
11	295	123.54	2.6	K 67	4
13	258	108.03	3.0	KF 67	4
15	215	90.04	3.6	KA 67	4
18	182	76.37	4.2	KAF67	4
7.1	465	123.85	1.2		
8.2	406	108.29	1.4	K 57	6
8.6	386	102.88	1.5	KF 57	6
10	339	90.26	1.7	KA 57	6
12	287	76.56	2.0	KAF57	6
13	259	69.12	2.2		
9.6	347	145.14	1.6		
11	296	123.85	1.9	K 57	4
13	259	108.29	2.2	KF 57	4
14	246	102.88	2.3	KA 57	4
15	216	90.26	2.6	KAF57	4
18	183	76.56	3.1		
20	165	69.12	3.4		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
0.37kW					
8.5	392	104.37	0.96	K 47	6
9.7	341	90.86	1.10	KF 47	6
10	319	85.12	1.18	KA 47	6
12	282	75.2	1.33	KAF47	6
11	315	131.87	1.19		
12	290	121.48	1.30		
13	249	104.37	1.51	K 47	4
15	217	90.86	1.73	KF 47	4
16	203	85.12	1.85	KA 47	4
18	180	75.20	2.1	KAF47	4
20	167	69.84	2.3		
22	151	63.30	2.5		
14	234	97.81	0.80		
17	200	83.69	0.94		
19	173	72.54	1.08		
21	162	67.80	1.16		
24	140	58.60	1.34		
28	119	49.79	1.58		
31	106	44.46	1.77		
37	91	37.97	2.07		
39	85	35.57	2.21	K 37	4
46	72	29.96	2.63	KF 37	4
48	69	28.83	2.73	KA 37	4
56	60	24.99	3.15	KAF37	4
60	56	23.36	3.28		
69	48	20.19	3.60		
81	41	17.15	4.13		
91	37	15.31	4.5		
106	31	13.08	5.0		
114	29	12.14	5.2		
133	25	10.49	6.0		
156	21	8.91	7.1		
175	19	7.96	7.7		
204	16	6.80	8.7		
218	15	6.37	9.0		
259	13	5.56	10		
0.55kW					
0.08	57099	16978	0.82		
0.10	47998	14272	0.98	K 187R97	4
0.11	44111	13116	1.07	KA 187R97	4
0.12	39170	11647	1.20		
0.19	24662	7333	1.9		
0.12	38783	11532	0.78		
0.14	34395	10227	0.87		
0.16	28913	8597	1.04	K 167R97	4
0.21	21988	6538	1.37	KA 167R97	4
0.26	18046	5366	1.67		
0.34	13651	4059	2.2		
0.20	23142	6881	0.73	K 157R97	4
0.23	19947	5931	0.85	KF 157R97	4
0.35	13365	3974	1.27	KA 157R97	4
0.46	10247	3047	1.65	KAF157R97	4
0.31	14875	4423	0.82		
0.37	12783	3801	0.96		
0.43	10886	3237	1.12		
0.47	9891	2941	1.24		
0.55	8569	2548	1.43	K 127R77	4
0.72	6477	1926	1.89	KF 127R77	4
0.79	5909	1757	2.1	KA 127R77	4
0.90	5183	1541	2.4	KAF127R77	4
1.0	4513	1342	2.7		
1.2	3958	1177	3.1		
1.4	3447	1025	3.5		

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输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
0.55kW					
0.48	9649	2869	0.78		
0.56	8421	2504	0.89		
0.63	7409	2203	1.01		
0.74	6286	1869	1.20		
0.82	5680	1689	1.32	K 107R77	4
0.91	5156	1533	1.46	KF 107R77	4
1.1	4429	1317	1.70	KA 107R77	4
1.2	3868	1150	1.94	KAF107R77	4
1.4	3414	1015	2.2		
1.6	2929	871	2.6		
1.8	2630	782	2.9		
2.0	2307	686	3.3		
2.3	2038	606	3.7		
1.0	4809	1430	0.8		
1.1	4241	1261	1.0		
1.3	3706	1102	1.1		
1.5	3218	957	1.3		
1.6	2875	855	1.4	K 97R57	4
1.9	2499	743	1.6	KF 97R57	4
2.1	2189	651	1.8	KA 97R57	4
2.4	1927	573	2.1	KAF97R57	4
2.8	1695	504	2.4		
3.2	1470	437	2.8		
3.6	1285	382	3.1		
4.6	1026	305	3.9		
1.5	3198	951	0.79		
1.7	2815	837	0.90		
1.9	2442	726	1.04		
2.2	2146	638	1.18		
2.5	1890	562	1.34		
2.9	1594	474	1.59	K 87R57	4
3.3	1433	426	1.77	KF 87R57	4
3.7	1254	373	2.0	KA 87R57	4
4.2	1110	330	2.3	KAF87R57	4
4.7	985	293	2.6		
5.6	841	250	3.0		
5.9	794	236	3.2		
6.9	676	201	3.8		
2.5	1856	552	0.78		
2.9	1631	485	0.89		
3.2	1439	428	1.01		
3.9	1204	358	1.21	K 77R37	4
4.3	1076	320	1.35	KF 77R37	4
4.9	952	283	1.53	KA 77R37	4
5.7	827	246	1.76	KAF77R37	4
6.4	726	216	2.0		
7.3	642	191	2.3		
8.2	572	170	2.5		
9.3	504	150	2.9		
5.1	915	272	0.84		
5.8	807	240	0.95	K 67R37	4
6.4	730	217	1.1	KF 67R37	4
7.3	642	191	1.2	KA 67R37	4
8.4	558	166	1.4	KAF67R37	4
9.7	484	144	1.6		
12	400	119	1.9		
7.2	646	192	0.87		
8.4	558	166	1.0	K 57R37	4
9.9	474	141	1.2	KF 57R37	4
11	424	126	1.3	KA 57R37	4
13	363	108	1.6	KAF57R37	4
15	319	95	1.8		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
0.55kW					
3.8	1290	174.99	2.0	K 87	8
4.1	1209	164.05	2.1	KF 87	8
4.5	1084	147.09	2.3	KA 87	8
				KAF87	8
4.5	1101	197.27	2.3	K 87	6
5.1	976	174.99	2.6	KF 87	6
5.4	915	164.05	2.8	KA 87	6
6.0	821	147.09	3.1	KAF87	6
6.5	755	135.28	1.9	K 77	8
6.9	717	128.52	2.0	KF 77	8
7.8	634	113.56	2.3	KA 77	8
9.1	541	97.05	2.7	KAF77	8
5.7	859	154.02	1.70	K 77	6
6.5	755	135.28	1.93	KF 77	6
6.9	717	128.52	2.0	KA 77	6
7.8	634	113.56	2.3	KAF77	6
9.0	547	154.02	2.7	K 77	4
10	481	135.28	3.0	KF 77	4
11	457	128.52	3.2	KA 77	4
12	403	113.56	3.6	KAF77	4
14	345	97.05	4.2		
7.2	689	123.54	1.12	K 67	6
8.2	603	108.03	1.28	KF 67	6
8.6	573	102.62	1.35	KA 67	6
10	502	90.04	1.53	KAF67	6
12	426	76.37	1.81		
11	439	123.54	1.76	K 67	4
13	384	108.03	2.0	KF 67	4
15	320	90.04	2.4	KA 67	4
18	271	76.37	2.8	KAF67	4
8.2	604	108.29	0.93		
8.6	574	102.88	0.98		
9.8	504	90.26	1.12	K 57	6
12	427	76.56	1.32	KF 57	6
13	386	69.12	1.46	KA 57	6
14	339	60.81	1.66	KAF57	6
15	320	57.42	1.76		
11	440	123.85	1.28		
13	385	108.29	1.47		
14	365	102.88	1.54	K 57	4
15	321	90.26	1.76	KF 57	4
18	272	76.56	2.1	KA 57	4
20	246	69.12	2.3	KAF57	4
23	216	60.81	2.6		
24	204	57.42	2.8		
13	371	104.37	1.01		
15	323	90.86	1.17		
16	302	85.12	1.24	K 47	4
18	267	75.20	1.41	KF 47	4
20	248	69.84	1.52	KA 47	4
22	225	63.30	1.67	KAF47	4
24	202	56.83	1.86		
28	174	48.95	2.2		
30	164	46.03	2.3		
24	208	58.6	0.90	K 37	4
28	177	49.79	1.06	KF 37	4
31	158	44.46	1.19	KA 37	4
37	135	37.97	1.39	KAF37	4



输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
0.55kW					
39	126	35.57	1.49		
46	106	29.96	1.77		
48	102	28.83	1.84		
56	89	24.99	2.1	K 37	4
60	83	23.36	2.2	KF 37	4
69	72	20.19	2.4	KA 37	4
81	61	17.15	2.8	KAF37	4
91	54	15.31	3.0		
106	46	13.08	3.3		
114	43	12.14	3.5		
133	37	10.49	4.0		
156	32	8.91	4.8		
175	28	7.96	5.2		
204	24	6.80	5.8		
218	23	6.37	6.0		
259	19	5.36	6.9		
0.75kW					
0.11	60151	13116	0.78		
0.12	53414	11647	0.88	K 187R97	4
0.19	33630	7333	1.40	KA 187R97	4
0.21	30901	6738	1.52		
0.23	27443	5984	1.71		
0.16	39426	8597	0.76		
0.21	29984	6538	1.00	K 167R97	4
0.26	24609	5366	1.22	KA 167R97	4
0.34	18615	4059	1.62		
0.41	15405	3359	1.95		
0.35	18225	3974	0.93	K 157R97	4
0.46	13974	3047	1.21	KF 157R97	4
0.83	7705	1680	2.2	KA 157R97	4
1.02	6260	1365	2.7	KAF157R97	4
0.43	14845	3237	0.82		
0.47	13488	2941	0.91		
0.55	11685	2548	1.05		
0.72	8833	1926	1.38	K 127R77	4
0.79	8058	1757	1.52	KF 127R77	4
0.90	7067	1541	1.73	KA 127R77	4
1.0	6154	1342	1.99	KAF127R77	4
1.2	5398	1177	2.3		
1.4	4701	1025	2.6		
1.5	4123	899	3.0		
0.82	7746	1689	0.97		
0.91	7030	1533	1.07		
1.1	6040	1317	1.25	K 107R77	4
1.2	5274	1150	1.43	KF 107R77	4
1.4	4655	1015	1.62	KA 107R77	4
1.6	3994	871	1.88	KAF107R77	4
1.8	3586	782	2.1		
2.0	3146	686	2.4		
2.3	2779	606	2.7		
1.3	5054	1102	0.8		
1.5	4389	957	0.9		
1.6	3921	855	1.0		
1.9	3407	743	1.2	K 97R57	4
2.1	2986	651	1.4	KF 97R57	4
2.4	2628	573	1.5	KA 97R57	4
2.8	2311	504	1.7	KAF97R57	4
3.2	2004	437	2.0		
3.6	1752	382	2.3		
4.6	1399	305	2.9		
5.4	1183	258	3.4		
6.0	1064	232	3.8		
7.0	913	199	4.4		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
0.75kW					
1.9	3329	726	0.76		
2.2	2926	638	0.87		
2.5	2577	562	0.98		
2.9	2174	474	1.17	K 87R57	4
3.3	1954	426	1.30	KF 87R57	4
3.7	1711	373	1.48	KA 87R57	4
4.2	1513	330	1.68	KAF87R57	4
4.7	1344	293	1.89		
5.6	1147	250	2.2		
5.9	1082	236	2.3		
6.9	922	201	2.8		
3.9	1642	358	0.89		
4.3	1468	320	0.99	K 77R37	4
4.9	1298	283	1.12	KF 77R37	4
5.7	1128	246	1.29	KA 77R37	4
6.4	991	216	1.47	KAF77R37	4
3.9	1737	175.47	2.3	K 97	8
4.4	1508	152.31	2.7	KF 97	8
4.8	1389	140.28	2.9	KA 97	8
				KAF97	8
4.6	1456	147.09	1.7	K 87	8
5.4	1254	126.68	2.0	KF 87	8
5.9	1140	115.16	2.2	KA 87	8
6.6	1017	102.71	2.5	KAF87	8
5.2	1295	174.99	2.0	K 87	6
5.5	1214	164.05	2.1	KF 87	6
6.2	1088	147.09	2.3	KA 87	6
7.2	937	126.68	2.7	KAF87	6
7.0	956	197.27	2.7	K 87	4
8.0	848	174.99	3.0	KF 87	4
8.5	795	164.05	3.2	KA 87	4
9.4	712	147.09	3.6	KAF87	4
6.7	1001	135.28	1.46		
7.1	951	128.52	1.53	K 77	6
8.0	840	113.56	1.73	KF 77	6
9.4	718	97.05	2.0	KA 77	6
10	658	88.97	2.2	KAF77	6
9.0	746	154.02	1.95	K 77	4
10	655	135.28	2.2	KF 77	4
11	623	128.52	2.3	KA 77	4
12	550	113.56	2.6	KAF77	4
14	470	97.05	3.1		
11	598	123.54	1.29		
13	523	108.03	1.47	K 67	4
15	436	90.04	1.77	KF 67	4
18	370	76.37	2.1	KA 67	4
20	334	68.95	2.3	KAF67	4
23	294	60.66	2.6		
24	277	57.28	2.8		
11	600	123.85	0.9		
13	525	108.29	1.1		
14	498	102.88	1.1		
15	437	90.26	1.3	K 57	4
18	371	76.56	1.5	KF 57	4
20	335	69.12	1.7	KA 57	4
23	295	60.81	1.9	KAF57	4
24	278	57.42	2.0		
28	237	48.89	2.4		
31	215	44.43	2.6		

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输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
0.75kW					
18	364	75.2	1.03		
20	338	69.84	1.11		
22	307	63.30	1.23	K 47	4
24	275	56.83	1.37	KF 47	4
28	237	48.95	1.59	KA 47	4
30	223	46.03	1.69	KAF47	4
35	192	39.61	1.96		
39	171	35.39	2.2		
45	151	31.19	2.5		
31	215	44.46	0.87		
37	184	37.97	1.02		
39	172	35.57	1.09		
46	145	29.96	1.30		
48	140	28.83	1.35		
56	121	24.99	1.55		
60	113	23.36	1.62		
69	98	20.19	1.78	K 37	4
81	83	17.15	2.0	KF 37	4
91	74	15.31	2.2	KA 37	4
106	63	13.08	2.4	KAF37	4
114	59	12.14	2.6		
133	51	10.49	3.0		
156	43	8.91	3.5		
175	39	7.96	3.8		
204	33	6.80	4.3		
218	31	6.37	4.4		
259	26	5.36	5.1		
1.1kW					
0.15	62528	9363	0.75		
0.17	54267	8126	0.87		
0.19	48971	7333	0.96	K 187R97	4
0.21	44998	6738	1.04	KA 187R97	4
0.23	39962	5984	1.18		
0.26	35728	5350	1.32		
0.29	32122	4810	1.46		
0.32	29144	4364	1.61		
0.26	35835	5366	0.84		
0.29	32042	4798	0.94		
0.34	27107	4059	1.11		
0.42	22432	3359	1.34	K 167R97	4
0.51	18305	2741	1.64	KA 167R97	4
0.64	14518	2174	2.1		
0.82	11340	1698	2.7		
1.00	9363	1402	3.2		
1.08	8622	1291	3.5		
0.40	23480	3516	0.72		
0.46	20375	3051	0.83		
0.54	17430	2610	0.97		
0.60	15507	2322	1.09	K 157R97	4
0.83	11219	1680	1.51	KF 157R97	4
1.0	9116	1365	1.86	KA 157R97	4
1.1	8207	1229	2.1	KAF157R97	4
1.3	7299	1093	2.3		
1.5	6291	942	2.7		
1.6	5703	854	3.0		
0.72	12955	1926	0.9		
0.79	11818	1757	1.0	K 127R77	4
0.90	10365	1541	1.2	KF 127R77	4
1.0	9027	1342	1.4	KA 127R77	4
1.2	7917	1177	1.5	KAF127R77	4
1.4	6894	1025	1.8		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
1.1kW					
1.5	6047	899	2.0		
1.8	5314	790	2.3	K 127R77	4
2.0	4641	690	2.6	KF 127R77	4
2.3	4029	599	3.0	KA 127R77	4
2.6	3625	539	3.4	KAF127R77	4
3.0	3148	468	3.9		
1.2	7735	1150	1.0		
1.4	6827	1015	1.1		
1.6	5859	871	1.3		
1.8	5260	782	1.4	K 107R77	4
2.0	4614	686	1.6	KF 107R77	4
2.3	4076	606	1.8	KA 107R77	4
2.7	3464	515	2.2	KAF107R77	4
3.1	3060	455	2.5		
3.5	2704	402	2.8		
4.0	2361	351	3.2		
4.5	2065	307	3.6		
1.9	4998	743	0.81		
2.1	4379	651	0.92		
2.4	3854	573	1.05	K 97R57	4
2.8	3390	504	1.19	KF 97R57	4
3.2	2939	437	1.38	KA 97R57	4
3.6	2569	382	1.57	KAF97R57	4
4.1	2300	342	1.76		
2.9	3188	474	0.80		
3.3	2865	426	0.89		
3.7	2509	373	1.01	K 87R57	4
4.2	2220	330	1.14	KF 87R57	4
4.7	1971	293	1.29	KA 87R57	4
5.6	1682	250	1.51	KAF87R57	4
5.9	1587	236	1.60		
6.9	1352	201	1.88		
3.9	2548	175.47	1.6	K 97	8
4.4	2212	152.31	1.8	KF 97	8
4.8	2037	140.28	2.0	KA 97	8
5.5	1810	124.61	2.2	KAF97	8
5.2	1904	175.47	2.1	K 97	6
5.9	1653	152.31	2.4	KF 97	6
6.5	1522	140.28	2.7	KA 97	6
7.3	1352	124.61	3.0	KAF97	6
8.0	1238	175.47	3.3	K 97	4
9.1	1074	152.31	3.7	KF 97	4
10	989	140.28	4.1	KA 97	4
				KAF97	4
5.2	1899	174.99	1.34	K 87	6
5.5	1780	164.05	1.42	KF 87	6
6.2	1596	147.09	1.59	KA 87	6
7.2	1375	126.68	1.84	KAF87	6
8.0	1234	174.99	2.1		
8.5	1157	164.05	2.2	K 87	4
9.5	1037	147.09	2.4	KF 87	4
11	894	126.68	2.8	KA 87	4
12	812	115.16	3.1	KAF87	4
6.7	1468	135.28	0.99	K 77	6
7.1	1395	128.52	1.04	KF 77	6
8.0	1232	113.56	1.18	KA 77	6
9.4	1053	97.05	1.38	KAF77	6



输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
1.1kW					
10	954	135.28	1.53		
11	906	128.52	1.61	K 77	4
12	801	113.56	1.82	KF 77	4
14	685	97.05	2.1	KA 77	4
16	628	88.97	2.3	KAF77	4
18	551	78.07	2.6		
19	522	73.99	2.8		
13	762	108.03	1.01		
14	724	102.62	1.06		
16	635	90.04	1.21		
18	539	76.37	1.43	K 67	4
20	486	68.95	1.58	KF 67	4
23	428	60.66	1.80	KA 67	4
24	404	57.28	1.91	KAF67	4
29	344	48.77	2.2		
32	313	44.32	2.5		
36	271	38.39	2.8		
16	637	90.26	0.89		
18	540	76.56	1.04		
20	488	69.12	1.16		
23	429	60.81	1.31		
24	405	57.42	1.39		
29	345	48.89	1.64		
32	313	44.43	1.80		
36	271	38.49	2.1		
39	252	35.70	2.2		
46	214	30.28	2.6		
51	193	27.34	2.9	K 57	4
58	170	24.05	3.3	KF 57	4
62	160	22.71	3.5	KA 57	4
72	136	19.34	4.0	KAF57	4
80	124	17.57	4.2		
92	107	15.22	4.6		
106	93	13.25	4.7		
117	84	11.92	4.9		
124	79	11.26	5.1		
146	68	9.59	5.6		
161	61	8.71	6.0		
185	53	7.55	6.4		
213	46	6.57	7.0		
25	401	56.83	0.94		
29	345	48.95	1.09		
30	325	46.03	1.16		
35	279	39.61	1.35	K 47	4
40	250	35.39	1.51	KF 47	4
45	220	31.19	1.71	KA 47	4
48	207	29.32	1.82	KAF47	4
54	183	25.91	2.1		
64	154	21.81	2.4		
72	138	19.58	2.7		
47	211	29.96	0.89		
56	176	24.99	1.07		
60	165	23.36	1.11		
69	142	20.19	1.22		
82	121	17.15	1.40		
91	108	15.31	1.52	K 37	4
107	92	13.08	1.68	KF 37	4
115	86	12.14	1.76	KA 37	4
133	74	10.49	2.0	KAF37	4
157	63	8.91	2.4		
176	56	7.96	2.6		
206	48	6.80	2.9		
220	45	6.37	3.0		
261	38	5.36	3.5		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
1.5kW					
0.21	61360	6738	0.77		
0.23	54494	5984	0.86		
0.26	48720	5350	0.96		
0.29	43803	4810	1.07	K 187R97	4
0.32	39741	4364	1.18	KA 187R97	4
0.39	32866	3609	1.43		
0.46	27884	3062	1.69		
0.56	22940	2519	2.0		
0.62	20654	2268	2.3		
0.34	36964	4059	0.81		
0.42	30589	3359	0.98		
0.51	24961	2741	1.21		
0.64	19798	2174	1.52	K 167R97	4
0.82	15463	1698	1.95	KA 167R97	4
1.0	12767	1402	2.4		
1.1	11757	1291	2.6		
0.6	21118	2319	0.8		
0.8	15299	1680	1.1		
1.0	12431	1365	1.4	K 157R97	4
1.1	11192	1229	1.5	KF 157R97	4
1.3	9954	1093	1.7	KA 157R97	4
1.5	8578	942	2.0	KAF157R97	4
1.6	7777	854	2.2		
2.5	5145	565	3.3		
2.8	4581	503	3.7		
2.6	4881	536	2.5	K 127R87	4
3.3	3807	418	3.2	KF 127R87	4
3.8	3342	367	3.7	KA 127R87	4
				KAF127R87	4
0.80	16000	1757	0.76		
0.91	14033	1541	0.87		
1.0	12221	1342	1.00		
1.2	10718	1177	1.14		
1.4	9334	1025	1.31	K 127R77	4
1.6	8187	899	1.49	KF 127R77	4
1.8	7194	790	1.70	KA 127R77	4
2.0	6284	690	1.94	KAF127R77	4
2.3	5455	599	2.2		
2.6	4908	539	2.5		
3.0	4262	468	2.9		
3.4	3734	410	3.3		
1.4	9243	1015	0.8		
1.6	7932	871	0.9		
1.8	7121	782	1.1		
2.0	6247	686	1.2	K 107R77	4
2.3	5519	606	1.4	KF 107R77	4
2.7	4690	515	1.6	KA 107R77	4
3.1	4144	455	1.8	KAF107R77	4
3.5	3661	402	2.1		
4.0	3196	351	2.4		
4.6	2796	307	2.7		
2.4	5218	573	0.8		
2.8	4590	504	0.9		
3.2	3980	437	1.0		
3.7	3479	382	1.2	K 97R57	4
4.1	3114	342	1.3	KF 97R57	4
4.6	2778	305	1.5	KA 97R57	4
5.4	2350	258	1.7	KAF97R57	4
6.0	2113	232	1.9		
7.0	1812	199	2.2		

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输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
1.5kW					
4.2	3005	330	0.84	K 87R57	4
4.8	2668	293	0.95	KF 87R57	4
5.6	2277	250	1.11	KA 87R57	4
5.9	2149	236	1.18	KAF87R57	4
7.0	1830	201	1.39		
7.7	1667	183	1.52		
4.9	2770	141.93	2.7	K 107	8
5.8	2334	119.58	3.2	KF 107	8
6.2	2163	110.83	3.5	KA 107	8
				KAF107	8
4.5	2972	152.31	1.36	K 97	8
4.9	2738	140.28	1.48	KF 97	8
5.5	2432	124.61	1.66	KA 97	8
				KAF97	8
5.2	2569	175.47	1.57	K 97	6
6.0	2229	152.31	1.81	KF 97	6
6.6	2053	140.28	1.97	KA 97	6
7.4	1824	124.61	2.2	KAF97	6
8.0	1688	175.47	2.4	K 97	4
9.2	1465	152.31	2.7	KF 97	4
10	1349	140.28	3.0	KA 97	4
11	1199	124.61	3.4	KAF97	4
6.3	2153	147.09	1.18	K 87	6
7.2	1854	126.68	1.37	KF 87	6
7.9	1686	115.16	1.50	KA 87	6
9.0	1503	102.71	1.69	KAF87	6
8.0	1683	174.99	1.51		
8.5	1578	164.05	1.61		
9.5	1415	147.09	1.79	K 87	4
11	1218	126.68	2.1	KF 87	4
12	1108	115.16	2.3	KA 87	4
14	988	102.71	2.6	KAF87	4
16	830	86.34	3.1		
8.0	1680	113.56	0.87	K 77	6
9.4	1436	97.05	1.01	KF 77	6
10	1317	88.97	1.11	KA 77	6
12	1155	78.07	1.26	KAF77	6
10	1301	135.28	1.12		
11	1236	128.52	1.18		
12	1092	113.56	1.33		
14	933	97.05	1.56	K 77	4
16	856	88.97	1.70	KF 77	4
18	751	78.07	1.94	KA 77	4
19	712	73.99	2.0	KAF77	4
22	623	64.75	2.3		
24	561	58.34	2.6		
27	492	51.18	3.0		
31	434	45.16	3.4		
35	385	40.04	3.8		
16	866	90.04	0.89		
18	735	76.37	1.05		
20	663	68.95	1.16		
23	583	60.66	1.32	K 67	4
24	551	57.28	1.40	KF 67	4
29	469	48.77	1.64	KA 67	4
32	426	44.32	1.81	KAF67	4
36	369	38.39	2.1		
39	343	35.62	2.2		
46	291	30.22	2.7		
51	262	27.28	2.9		
58	231	24.00	3.3		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
1.5kW					
23	585	60.81	0.96		
24	552	57.42	1.02		
29	470	48.89	1.20		
32	427	44.43	1.32	K 57	4
36	370	38.49	1.52	KF 57	4
39	343	35.70	1.64	KA 57	4
46	291	30.28	1.94	KAF57	4
51	263	27.34	2.1		
58	231	24.05	2.4		
62	218	22.71	2.6		
72	186	19.34	2.9		
35	381	39.61	0.99		
40	340	35.39	1.10		
45	300	31.19	1.25		
48	282	29.32	1.33		
54	249	25.91	1.51	K 47	4
64	210	21.81	1.79	KF 47	4
72	188	19.58	2.0	KA 47	4
83	162	16.86	2.2	KAF47	4
88	153	15.86	2.3		
103	131	13.65	2.6		
115	117	12.19	2.8		
119	113	11.77	3.0		
60	225	23.36	0.82		
69	194	20.19	0.90		
82	165	17.15	1.03		
91	147	15.31	1.12	K 37	4
107	126	13.08	1.23	KF 37	4
115	117	12.14	1.29	KA 37	4
133	101	10.49	1.49	KAF37	4
157	86	8.91	1.75		
176	77	7.96	1.90		
206	65	6.80	2.2		
220	61	6.37	2.2		
261	52	5.36	2.6		
2.2kW					
0.33	57466	4364	0.82		
0.39	47524	3609	0.99		
0.46	40321	3062	1.17		
0.50	37108	2818	1.27		
0.56	33171	2519	1.42	K 187R97	4
0.63	29866	2268	1.57	KA 187R97	4
0.69	27048	2054	1.74		
0.78	23979	1821	1.96		
0.88	21135	1605	2.2		
0.52	36094	2741	0.83		
0.63	29655	2252	1.01		
0.65	28628	2174	1.05	K 167R97	4
0.84	22360	1698	1.35	KA 167R97	4
1.0	18462	1402	1.63		
1.1	17000	1291	1.77		
1.3	14498	1101	2.1		
1.5	12431	944	2.4		
0.85	22123	1680	0.76		
1.0	17975	1365	0.94	K 157R97	4
1.2	16184	1229	1.05	KF 157R97	4
1.3	14393	1093	1.18	KA 157R97	4
1.5	12404	942	1.36	KAF157R97	4
1.7	11246	854	1.50		
1.9	9955	756	1.70		



输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
2.2kW					
2.6	7058	536	1.73	K 127R87	4
3.0	6229	473	1.96	KF 127R87	4
3.4	5504	418	2.2	KA 127R87	4
3.9	4833	367	2.5	KAF127R87	4
4.3	4346	330	2.8		
1.4	13497	1025	0.91		
1.6	11838	899	1.03		
1.8	10403	790	1.17	K 127R77	4
2.1	9086	690	1.34	KF 127R77	4
2.4	7888	599	1.55	KA 127R77	4
2.6	7098	539	1.72	KAF127R77	4
3.0	6163	468	1.98		
3.5	5399	410	2.3		
2.3	7980	606	0.94		
2.8	6782	515	1.11		
3.1	5992	455	1.26	K 107R77	4
3.5	5294	402	1.42	KF 107R77	4
4.0	4622	351	1.63	KA 107R77	4
4.6	4043	307	1.86	KAF107R77	4
5.1	3648	277	2.1		
5.8	3200	243	2.4		
3.7	5030	382	0.80		
4.2	4504	342	0.90	K 97R57	4
4.7	4016	305	1.01	KF 97R57	4
5.5	3397	258	1.19	KA 97R57	4
6.1	3055	232	1.32	KAF97R57	4
7.1	2620	199	1.54		
5.0	3948	141.93	1.90	K 107	8
5.9	3326	119.58	2.3	KF 107	8
6.4	3083	110.83	2.4	KA 107	8
7.1	2763	99.34	2.7	KAF107	8
6.1	3200	152.31	1.26	K 97	6
6.7	2947	140.28	1.37	KF 97	6
7.5	2618	124.61	1.54	KA 97	6
14	1443	103.78	2.80	KAF97	6
8.1	2440	175.47	1.66		
9.3	2118	152.31	1.91	K 97	4
10	1951	140.28	2.1	KF 97	4
11	1733	124.61	2.3	KA 97	4
14	1443	103.78	2.8	KAF97	4
15	1346	96.80	3.0		
9.7	2046	147.09	1.24		
11	1762	126.68	1.44		
12	1602	115.16	1.58	K 87	4
14	1428	102.71	1.78	KF 87	4
16	1201	86.34	2.1	KA 87	4
18	1103	79.34	2.3	KAF87	4
20	980	70.46	2.6		
23	876	63.00	2.9		
13	1579	113.56	0.9		
15	1350	97.05	1.08		
16	1237	88.97	1.18		
18	1086	78.07	1.34		
19	1029	73.99	1.42	K 77	4
22	901	64.75	1.62	KF 77	4
24	811	58.34	1.80	KA 77	4
28	712	51.18	2.0	KAF77	4
31	628	45.16	2.3		
35	557	40.04	2.6		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
2.2kW					
40	490	35.20	3.0	K 77	4
46	430	30.89	3.4	KF 77	4
49	407	29.27	3.6	KA 77	4
55	356	25.62	4.1	KAF77	4
23	844	60.66	0.91		
25	797	57.28	0.97		
29	678	48.77	1.14		
32	616	44.32	1.25		
37	534	38.39	1.44		
40	495	35.62	1.56		
47	420	30.22	1.83		
52	379	27.28	2.0		
59	334	24.00	2.3	K 67	4
63	315	22.66	2.3	KF 67	4
74	268	19.30	2.7	KA 67	4
81	244	17.54	2.9	KAF67	4
93	211	15.19	3.1		
107	184	13.22	3.4		
116	170	12.24	2.9		
136	145	10.42	3.2		
150	132	9.47	3.4		
173	114	8.20	3.6		
199	99	7.14	4.0		
32	618	44.43	0.91		
37	535	38.49	1.05		
40	497	35.70	1.14		
47	421	30.28	1.34		
52	380	27.34	1.48	K 57	4
59	334	24.05	1.69	KF 57	4
63	316	22.71	1.79	KA 57	4
73	269	19.34	2.0	KAF57	4
81	244	17.57	2.1		
93	212	15.22	2.4		
107	184	13.25	2.3		
119	166	11.92	2.4		
126	157	11.26	2.5		
55	360	25.91	1.04		
65	303	21.81	1.24		
73	272	19.58	1.38	K 47	4
84	234	16.86	1.52	KF 47	4
90	221	15.86	1.62	KA 47	4
104	190	13.65	1.78	KAF47	4
116	170	12.19	1.94		
121	164	11.77	1.61		
134	147	10.56	1.79		
156	127	9.10	2.1		
109	182	13.08	0.85		
135	146	10.49	1.03	K 37	4
159	124	8.91	1.21	KF 37	4
178	111	7.96	1.32	KA 37	4
209	95	6.80	1.49	KAF37	4
223	89	6.37	1.54		
265	75	5.36	1.77		

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输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
3.0kW					
0.46	54983	3062	0.85		
0.5	50602	2818	0.93		
0.56	45233	2519	1.04		
0.63	40726	2268	1.15	K 187R97	4
0.69	36883	2054	1.27	KA 187R97	4
0.78	32699	1821	1.44		
0.88	28820	1605	1.63		
1.0	25050	1395	1.88		
1.2	21476	1196	2.2		
0.84	30490	1698	0.99		
1.0	25175	1402	1.2		
1.1	23182	1291	1.3	K 167R97	4
1.3	19770	1101	1.52	KF 167R97	4
1.5	16951	944	1.77	KA 167R97	4
1.7	15137	843	1.99	KAF167R97	4
1.9	13593	757	2.2		
1.2	22069	1229	0.77		
1.3	19627	1093	0.86		
1.5	16915	942	1.00	K 157R97	4
1.7	15335	854	1.10	KF 157R97	4
1.9	13575	756	1.25	KA 157R97	4
2.5	10146	565	1.67	KAF157R97	4
2.8	9032	503	1.87		
2.6	9625	536	1.27		
3.0	8494	473	1.44	K 127R87	4
3.4	7506	418	1.63	KF 127R87	4
3.9	6590	367	1.85	KA 127R87	4
4.3	5926	330	2.1	KAF127R87	4
4.9	5207	290	2.3		
1.8	14186	790	0.86		
2.1	12390	690	0.99	K 127R77	4
2.4	10756	599	1.14	KF 127R77	4
2.6	9679	539	1.26	KA 127R77	4
3.0	8404	468	1.45	KAF127R77	4
3.5	7362	410	1.66		
3.1	8170	455	0.92		
3.5	7219	402	1.04		
4.0	6303	351	1.19		
4.6	5513	307	1.36	K 107R77	4
5.1	4974	277	1.51	KF 107R77	4
5.8	4363	243	1.72	KA 107R77	4
6.6	3861	215	1.95	KAF107R77	4
7.5	3394	189	2.2		
8.5	3017	168	2.5		
9.5	2676	149	2.8		
10	2496	139	3.0		
5.5	4893	258	0.83	K 97R57	4
6.1	4400	232	0.92	KF 97R57	4
7.1	3774	199	1.07	KA 97R57	4
				KAF97R57	4
5.0	5366	141.46	1.40		
5.9	4543	119.76	1.66	K 107	8
6.4	4204	110.83	1.79	KF 107	8
7.1	3768	99.34	2.0	KA 107	8
7.9	3402	89.68	2.2	KAF107	8
6.8	3968	141.46	1.9	K 107	6
8.0	3360	119.76	2.2	KF 107	6
8.7	3109	110.83	2.4	KA 107	6
9.7	2787	99.34	2.7	KAF107	6

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
3.0kW					
				K 107	4
10	2692	141.93	2.8	KF 107	4
12	2268	119.58	3.3	KA 107	4
				KAF107	4
7.7	3496	124.61	1.16	K 97	6
9.3	2911	103.78	1.39	KF 97	6
9.9	2716	96.80	1.49	KA 97	6
11	2427	86.52	1.67	KAF97	6
8.1	3328	175.47	1.21		
9.3	2889	152.31	1.40		
10	2660	140.28	1.52		
11	2363	124.61	1.71		
14	1968	103.78	2.05	K 97	4
15	1836	96.80	2.20	KF 97	4
16	1646	86.52	2.46	KA 97	4
18	1477	77.89	2.74	KAF97	4
20	1338	70.54	3.02		
23	1186	62.55	3.41		
25	1072	56.55	3.77		
9.6	2790	147.09	0.91		
11	2403	126.68	1.06		
12	2184	115.16	1.16		
14	1948	102.71	1.30		
16	1637	86.34	1.55	K 87	4
18	1505	79.34	1.69	KF 87	4
20	1336	70.46	1.90	KA 87	4
23	1195	63.00	2.1	KAF87	4
25	1074	56.64	2.4		
29	932	49.16	2.7		
32	835	44.02	2.9		
39	693	36.52	3.4		
16	1687	88.97	0.86		
18	1481	78.07	0.98		
19	1403	73.99	1.04		
22	1228	64.75	1.19	K 77	4
24	1106	58.34	1.32	KF 77	4
28	971	51.18	1.50	KA 77	4
31	856	45.16	1.70	KAF77	4
35	759	40.04	1.92		
40	668	35.20	2.2		
46	586	30.89	2.5		
32	841	44.32	0.92		
37	728	38.39	1.06		
40	676	35.62	1.14		
47	573	30.22	1.34		
52	517	27.28	1.49		
59	455	24.00	1.65	K 67	4
63	430	22.66	1.71	KF 67	4
74	366	19.30	1.95	KA 67	4
81	333	17.54	2.1	KAF67	4
93	288	15.19	2.3		
107	251	13.22	2.5		
116	232	12.24	2.1		
136	198	10.42	2.4		
150	180	9.47	2.5		
47	574	30.28	0.98		
52	519	27.34	1.09	K 57	4
59	456	24.05	1.24	KF 57	4
63	431	22.71	1.31	KA 57	4
73	367	19.34	1.47	KAF57	4
81	333	17.57	1.57		



输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
3.0kW					
93	289	15.22	1.74	K 57	4
107	251	13.25	1.9	KF 57	4
119	226	11.92	1.7	KA 57	4
126	214	11.26	1.8	KAF57	4
148	182	9.59	2.1		
163	165	8.71	2.2		
188	143	7.55	2.4		
216	125	6.57	2.6		
73	371	19.58	1.01		
84	320	16.86	1.12		
90	301	15.86	1.19		
104	259	13.65	1.31		
116	231	12.19	1.42	K 47	4
121	223	11.77	1.18	KF 47	4
134	200	10.56	1.31	KA 47	4
156	173	9.1	1.53	KAF47	4
166	162	8.56	1.56		
193	140	7.36	1.68		
216	125	6.58	1.81		
244	110	5.81	1.96		
159	169	8.91	0.89	K 37	4
178	151	7.96	0.97	KF 37	4
209	129	6.8	1.09	KA 37	4
223	121	6.37	1.13	KAF37	4
265	102	5.36	1.29		
4.0kW					
1.7	19697	825	2.4	K 187R107	4
2.8	12272	514	3.8	KA 187R107	4
0.57	59473	2510	0.79		
0.63	53547	2268	0.88		
0.70	48494	2054	0.97		
0.79	42993	1821	1.09	K 187R97	4
0.90	37894	1605	1.24	KA 187R97	4
1.0	32936	1395	1.43		
1.2	28237	1196	1.66		
1.4	24696	1046	1.90		
1.5	22240	942	2.1		
1.0	33101	1402	0.91		
1.1	30480	1291	0.99		
1.3	25994	1101	1.16	K 167R97	4
1.5	22288	944	1.35	KA 167R97	4
1.7	19903	843	1.51		
1.9	17873	757	1.68		
2.3	14874	630	2.0		
1.7	20163	854	0.84	K 157R97	4
1.9	17849	756	0.95	KF 157R97	4
2.5	13339	565	1.27	KA 157R97	4
2.9	11876	503	1.42	KAF157R97	4
3.3	10223	433	1.66		
2.7	12655	536	0.97		
3.0	11167	473	1.09	K 127R87	4
3.4	9869	418	1.24	KF 127R87	4
3.9	8665	367	1.41	KA 127R87	4
4.3	7901	330	1.55	KAF127R87	4
4.9	6943	290	1.76		
5.6	6057	253	2.0		
2.4	14341	599	0.85	K 127R77	4
2.6	12905	539	0.95	KF 127R77	4
3.0	11205	468	1.09	KA 127R77	4
3.5	9816	410	1.24	KAF127R77	4

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
4.0kW					
4.0	8404	351	0.89		
4.6	7350	307	1.02		
5.1	6632	277	1.13	K 107R77	4
5.8	5818	243	1.29	KF 107R77	4
6.6	5148	215	1.46	KA 107R77	4
7.5	4525	189	1.66	KAF107R77	4
8.5	4022	168	1.68		
9.5	3567	149	1.9		
11	3232	135	2.1		
7.1	5032	199	0.80	K 97R57	4
				KF 97R57	4
				KA 97R57	4
				KAF97R57	4
5.3	6825	134.94	1.8	K 127	8
5.8	6202	122.60	2.0	KF 127	8
6.4	5570	110.13	2.2	KA 127	8
				KAF127	8
6.6	5464	146.07	2.2	K 127	6
7.1	5047	134.94	2.4	KF 127	6
7.8	4587	122.60	2.7	KA 127	6
8.7	4119	110.13	3.0	KAF127	6
6.4	5605	110.83	1.34	K 107	8
7.1	5024	99.34	1.50	KF 107	8
7.9	4536	89.68	1.66	KA 107	8
8.7	4120	81.46	1.83	KAF107	8
6.8	5309	141.93	1.42	K 107	6
8.0	4473	119.58	1.68	KF 107	6
8.7	4146	110.83	1.81	KA 107	6
9.7	3716	99.34	2.0	KAF107	6
11	3354	89.68	2.2		
10	3527	141.46	2.1		
12	2986	119.76	2.5	K 107	4
13	2764	110.83	2.7	KF 107	4
14	2477	99.34	3.0	KA 107	4
16	2236	89.68	3.4	KAF107	4
18	2031	81.46	3.7		
20	1802	72.27	4.2		
10	3498	140.28	1.16		
12	3107	124.61	1.30	K 97	4
14	2588	103.78	1.56	KF 97	4
15	2414	96.80	1.67	KA 97	4
17	2157	86.52	1.87	KAF97	4
18	1942	77.89	2.1		
20	1759	70.54	2.3		
13	2872	115.16	0.88		
14	2561	102.71	0.99		
17	2153	86.34	1.18		
18	1978	79.34	1.28	K 87	4
20	1757	70.46	1.44	KF 87	4
23	1571	63.00	1.62	KA 87	4
25	1412	56.64	1.80	KAF87	4
29	1226	49.16	2.1		
33	1098	44.02	2.3		
39	911	36.52	2.8		

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输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
4.0kW					
22	1615	64.75	0.90		
25	1455	58.34	1.00		
28	1276	51.18	1.14		
32	1126	45.16	1.29	K 77	4
36	998	40.04	1.46	KF 77	4
38	957	38.39	1.52	KA 77	4
41	878	35.20	1.66	KAF77	4
47	770	30.89	1.89		
49	730	29.27	2.0		
56	639	25.62	2.3		
62	576	23.08	2.5		
71	505	20.25	2.9		
48	754	30.22	1.02		
53	680	27.28	1.13		
60	598	24.00	1.26		
64	565	22.66	1.30		
75	481	19.30	1.48	K 67	4
82	437	17.54	1.59	KF 67	4
95	379	15.19	1.74	KA 67	4
109	330	13.22	1.91	KAF67	4
118	305	12.24	1.63		
138	260	10.42	1.81		
152	236	9.47	1.91		
176	204	8.20	2.02		
202	178	7.14	2.2		
60	600	24.05	0.94		
63	566	22.71	1.00		
74	482	19.34	1.12		
82	438	17.57	1.19		
95	380	15.22	1.33	K 57	4
109	330	13.25	1.45	KF 57	4
121	297	11.92	1.31	KA 57	4
128	281	11.26	1.39	KAF57	4
150	239	9.59	1.59		
165	217	8.71	1.69		
191	188	7.55	1.82		
219	164	6.57	1.98		
5.5kW					
0.79	59116	1821	0.80		
0.90	52104	1605	0.90		
1.0	45286	1395	1.04	K 187R97	4
1.2	38826	1196	1.21	KA 187R97	4
1.4	33957	1046	1.38		
1.5	30580	942	1.54		
2.0	23926	737	2.0		
2.3	20095	619	2.3		
1.31	35742	1101	0.84		
1.5	30645	944	0.98		
1.7	27367	843	1.10		
1.9	24575	757	1.22	K 167R97	4
2.3	20452	630	1.47	KA 167R97	4
2.6	18212	561	1.65		
3.0	15550	479	1.93		
3.4	13700	422	2.2		
2.2	21458	661	0.79		
2.5	18342	565	0.92	K 157R97	4
2.9	16329	503	1.04	KF 157R97	4
3.3	14057	433	1.20	KA 157R97	4
3.8	12271	378	1.38	KAF157R97	4
4.3	10778	332	1.57		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
5.5kW					
3.4	13570	418	0.90		
3.9	11914	367	1.03		
4.4	10713	330	1.14	K 127R87	4
5.0	9414	290	1.30	KF 127R87	4
5.7	8213	253	1.49	KA 127R87	4
6.7	6980	215	1.75	KAF127R87	4
7.1	6590	203	1.71		
8.6	5454	168	2.1		
9.7	4805	148	2.3		
6.7	6980	215	1.08		
7.6	6136	189	1.23	K 107R77	4
8.6	5454	168	1.38	KF 107R77	4
9.7	4837	149	1.55	KA 107R77	4
11	4383	135	1.72	KAF107R77	4
4.8	10288	150.03	1.64	K 157	8
5.9	8423	122.83	2.0	KF 157	8
7.2	6833	99.65	2.5	KA 157	8
7.8	6338	92.42	2.7	KAF157	8
5.3	9253	134.94	1.3	K 127	8
5.9	8399	122.60	1.5	KF 127	8
6.5	7556	110.13	1.6	KA 127	8
8.1	6143	89.43	2.0	KAF127	8
7.1	6940	134.94	1.76	K 127	6
7.8	6299	122.60	1.94	KF 127	6
8.7	5667	110.13	2.2	KA 127	6
11	4599	89.43	2.7	KAF127	6
8.7	5700	110.83	1.32	K 107	6
9.7	5109	99.34	1.47	KF 107	6
11	4612	89.68	1.63	KA 107	6
12	4190	81.46	1.79	KAF107	6
10	4866	141.93	1.55		
12	4100	119.58	1.83	K 107	4
13	3800	110.83	1.98	KF 107	4
14	3406	99.34	2.2	KA 107	4
16	3075	89.68	2.4	KAF107	4
18	2793	81.46	2.7		
12	4273	124.61	0.95		
14	3558	103.78	1.1		
15	3319	96.80	1.2	K 97	4
17	2967	86.52	1.35	KF 97	4
18	2671	77.89	1.5	KA 97	4
20	2419	70.54	1.65	KAF97	4
23	2145	62.55	1.85		
25	1939	56.55	2.1		
30	1643	47.93	2.4		
17	2960	86.34	0.85		
18	2720	79.34	0.95		
20	2416	70.46	1.05		
23	2160	63.00	1.15	K 87	4
25	1942	56.64	1.3	KF 87	4
29	1686	49.16	1.5	KA 87	4
33	1509	44.02	1.6	KAF87	4
39	1252	36.52	1.85		
46	1076	31.39	2.3		
52	956	27.88	2.5		
32	1548	45.16	0.94		
36	1373	40.04	1.06	K 77	4
47	1059	30.89	1.38	KF 77	4
49	1004	29.27	1.45	KA 77	4
56	878	25.62	1.66	KAF77	4



输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
5.5kW					
62	791	23.08	1.84		
71	694	20.25	2.0		
81	613	17.87	2.2	K 77	4
91	543	15.84	2.4	KF 77	4
107	464	13.52	2.5	KA 77	4
117	424	12.36	2.6	KAF77	4
133	371	10.81	2.7		
60	823	24.00	0.91		
64	777	22.66	0.94		
75	662	19.30	1.08		
82	601	17.54	1.16		
95	521	15.19	1.26	K 67	4
109	453	13.22	1.39	KF 67	4
118	420	12.24	1.39	KA 67	4
138	357	10.42	1.32	KAF67	4
152	325	9.47	1.39		
176	281	8.20	1.47		
202	245	7.14	1.61		
82	602	17.57	0.87		
95	522	15.22	0.96		
109	454	13.25	0.97	K 57	4
121	409	11.92	1.01	KF 57	4
128	386	11.26	1.06	KA 57	4
150	329	9.59	1.16	KAF57	4
165	299	8.71	1.23		
191	259	7.55	1.33		
219	225	6.57	1.44		
7.5kW					
1.8	36021	825	1.30	K 187R107	4
2.0	31437	720	1.50	KA 187R107	4
2.4	26808	614	1.75		
1.2	52220	1196	0.90		
1.4	45670	1046	1.03		
1.5	41129	942	1.14	K 187R97	4
2.0	32179	737	1.46	KA 187R97	4
2.4	27027	619	1.74		
2.8	22879	524	2.1		
1.7	36807	843	0.82		
1.9	33052	757	0.91	K 167R97	4
2.3	27507	630	1.09	KF 167R97	4
2.6	24494	561	1.23	KA 167R97	4
3.0	20914	479	1.44	KAF167R97	4
3.5	18425	422	1.63		
4.0	16024	367	1.88		
3.4	18906	433	0.89	K 157R97	4
3.9	16504	378	1.03	KF 157R97	4
4.4	14496	332	1.17	KA 157R97	4
5.0	12662	290	1.34	KAF157R97	4
4.4	14408	330	0.85		
5.0	12662	290	0.97	K 127R87	4
5.8	11046	253	1.11	KF 127R87	4
6.8	9387	215	1.30	KA 127R87	4
7.2	8863	203	1.38	KAF127R87	4
8.7	7335	168	1.67		
9.9	6462	148	1.89		
4.4	15382	164.44	2.0	K 167	8
5.3	12623	135.38	2.4	KA 167	8
5.8	11537	164.44	2.61	K 167	6
7.1	9467	135.38	3.18	KA 167	6

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
7.5kW					
6.4	10522	150.03	1.6		
7.8	8614	122.83	2.0	K 157	6
9.6	6989	99.65	2.4	KF 157	6
10	6482	92.42	2.6	KA 157	6
12	5593	79.75	3.0	KAF157	6
7.1	9464	134.94	1.29	K 127	6
7.8	8590	122.48	1.42	KF 127	6
8.7	7727	110.18	1.58	KA 127	6
11	6272	89.43	1.95	KAF127	6
10	6736	146.07	1.81		
11	6223	134.94	1.96		
12	5648	122.60	2.2	K 127	4
13	5081	110.13	2.4	KF 127	4
16	4124	89.43	3.0	KA 127	4
18	3805	82.52	3.2	KAF127	4
21	3272	70.95	3.7		
10	6545	141.93	1.15		
12	5514	119.58	1.36		
13	5111	110.83	1.47		
15	4581	99.34	1.64		
16	4136	89.68	1.82	K 107	4
18	3757	81.46	2.00	KF 107	4
20	3333	72.27	2.3	KA 107	4
22	3024	65.58	2.5	KAF107	4
26	2599	56.37	2.9		
30	2269	49.20	3.2		
35	1925	41.74	3.6		
40	1682	36.48	4.0		
15	4464	96.80	0.91		
17	3990	86.52	1.01		
19	3592	77.89	1.13		
21	3253	70.54	1.24	K 97	4
23	2884	62.55	1.40	KF 97	4
26	2608	56.55	1.55	KA 97	4
30	2210	47.93	1.83	KAF97	4
35	1931	41.87	2.1		
38	1766	38.30	2.3		
43	1579	34.23	2.6		
23	2905	63.00	0.87		
26	2612	56.64	0.97		
30	2267	49.16	1.12		
33	2030	44.02	1.20		
40	1684	36.52	1.40		
47	1448	31.39	1.75	K 87	4
52	1286	27.88	1.90	KF 87	4
59	1149	24.92	2.0	KA 87	4
65	1033	22.41	2.1	KAF87	4
75	897	19.45	2.4		
84	803	17.42	2.6		
92	736	15.95	2.3		
101	666	14.45	3.0		
47	1424	30.89	1.02		
50	1350	29.27	1.08		
57	1181	25.62	1.23		
63	1064	23.08	1.37		
72	934	20.25	1.56	K 77	4
82	824	17.87	1.65	KF 77	4
92	730	15.84	1.80	KA 77	4
108	623	13.52	1.82	KAF77	4
118	570	12.36	1.89		
135	499	10.81	1.95		
153	440	9.54	2.0		
173	390	8.46	2.1		
202	333	7.22	2.3		

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输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
11kW					
1.8	52831	825	0.89		
2.0	46107	720	1.02	K 187R107	4
2.4	39319	614	1.20	KA 187R107	4
2.8	32915	514	1.43		
3.3	28753	449	1.63		
4.0	23374	365	2.0		
2.0	47196	737	1.00	K 187R97	4
2.4	39639	619	1.19	KA 187R97	4
2.8	33556	524	1.40		
4.7	20044	313	1.50		
5.3	17482	273	1.72	K 167R107	4
5.8	16009	250	1.88	KA 167R107	4
6.7	13960	218	2.2		
7.2	13000	203	2.3		
2.6	35925	561	0.84		
3.0	30674	479	0.98	K 167R97	4
3.5	27024	422	1.11	KA 167R97	4
4.0	23502	367	1.28		
				K 157R97	4
4.4	21260	332	0.80	KF 157R97	4
5.0	18571	290	0.91	KA 157R97	4
				KAF157R97	4
6.8	13768	215	0.89	K 127R87	4
7.2	13000	203	0.94	KF 127R87	4
8.7	10758	168	1.14	KA 127R87	4
9.9	9478	148	1.29	KAF127R87	4
5.4	18313	135.38	1.64	K 167	8
6.6	14932	110.38	2.0	KA 167	8
5.9	16740	164.44	1.80	K 167	6
7.2	13782	135.38	2.2	KA 167	6
8.9	11122	164.44	2.7	K 167	4
11	9158	135.38	3.3	KA 167	4
5.9	16615	122.83	1.02	K 157	8
7.3	13480	99.65	1.26	KF 157	8
7.9	12502	92.42	1.35	KA 157	8
9.1	10788	79.75	1.57	KAF157	8
6.5	15273	150.03	1.11	K 157	6
7.9	12504	122.83	1.35	KF 157	6
9.7	10144	99.65	1.67	KA 157	6
10	9408	92.42	1.80	KAF157	6
12	8119	79.75	2.1		
9.7	10147	150.03	1.67	K 157	4
12	8308	122.83	2.0	KF 157	4
15	6740	99.65	2.5	KA 157	4
16	6251	92.42	2.7	KAF157	4
11	9127	134.94	1.34		
12	8295	122.60	1.47	K 127	4
13	7449	110.13	1.64	KF 127	4
16	6049	89.43	2.0	KA 127	4
18	5581	82.52	2.2	KAF127	4
21	4799	70.95	2.5		
13	7496	110.83	1.00	K 107	4
15	6719	99.34	1.12	KF 107	4
16	6066	89.68	1.24	KA 107	4
18	5510	81.46	1.36	KAF107	4

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
11kW					
20	4888	72.27	1.54		
22	4435	65.58	1.70	K 107	4
26	3813	56.37	1.97	KF 107	4
30	3328	49.2	2.2	KA 107	4
35	2823	41.74	2.5	KAF107	4
40	2467	36.48	2.7		
21	4771	70.54	0.85		
23	4231	62.55	0.96		
26	3825	56.55	1.06		
30	3242	47.93	1.25	K 97	4
35	2832	41.87	1.43	KF 97	4
38	2590	38.3	1.56	KA 97	4
43	2315	34.23	1.75	KAF97	4
47	2085	30.82	1.94		
52	1888	27.91	2.1		
59	1674	24.75	2.4		
65	1513	22.37	2.7		
33	2977	44.02	0.82		
40	2470	36.52	0.95		
47	2123	31.39	1.20		
52	1886	27.88	1.30		
59	1685	24.92	1.39		
65	1516	22.41	1.43	K 87	4
75	1315	19.45	1.64	KF 87	4
84	1178	17.42	1.76	KA 87	4
92	1079	15.95	1.57	KAF87	4
101	977	14.45	1.9		
116	849	12.56	2.0		
131	753	11.13	2.1		
147	674	9.96	2.2		
177	559	8.27	2.4		
203	486	7.19	2.5		
63	1561	23.08	0.93		
72	1370	20.25	1.03		
82	1209	17.87	1.13		
92	1071	15.84	1.23	K 77	4
108	914	13.52	1.38	KF 77	4
118	836	12.36	1.12	KA 77	4
135	731	10.81	1.27	KAF77	4
153	645	9.54	1.37		
173	572	8.46	1.46		
202	488	7.22	1.57		
15kW					
2.4	53617	614	0.88		
2.8	44884	514	1.05	K 187R107	4
3.3	39208	449	1.20	KA 187R107	4
4.0	31873	365	1.47		
5.4	23403	268	2.0		
4.7	27332	313	1.10		
5.3	23839	273	1.26		
5.8	21831	250	1.38		
6.7	19037	218	1.58	K 167R107	4
7.2	17727	203	1.70	KA 167R107	4
7.9	16155	185	1.86		
9.0	14234	163	2.1		
6.2	20696	237	0.82		
7.0	18338	210	0.92	K 157R107	4
7.9	16068	184	1.05	KF 157R107	4
9.4	13535	155	1.25	KA 157R107	4
12	11003	126	1.54	KAF157R107	4
13	9606	110	1.76		



输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
15kW					
5.4	25096	180.78	1.87	K 187	6
6.0	22285	160.53	2.1	KA 187	6
7.2	18793	135.38	1.60	K 167	6
8.8	15324	110.39	1.96	KA 167	6
8.9	15166	164.44	1.12	K 167	4
11	12486	135.38	1.36	KA 167	4
7.9	16990	122.39	1.00	K 157	6
9.7	13833	99.65	1.22	KF 157	6
10	12830	92.42	1.32	KA 157	6
12	11071	79.75	1.53	KAF157	6
14	9770	70.35	1.73		
9.7	13837	150.03	1.22	K 157	4
12	11329	122.83	1.49	KF 157	4
15	9191	99.65	1.84	KA 157	4
16	8524	92.42	2.0	KAF157	4
18	7355	79.75	2.3		
11	12445	134.94	0.97	K 127	4
12	11307	122.60	1.08	KF 127	4
13	10157	110.13	1.20	KA 127	4
16	8248	89.43	1.48	KAF127	4
18	7611	82.52	1.61		
21	6544	70.95	1.87		
23	5774	62.60	2.1		
27	4987	54.07	2.5		
31	4410	47.82	2.8		
16	8271	89.68	0.91	K 107	4
18	7513	81.46	1.00	KF 107	4
20	6665	72.27	1.13	KA 107	4
22	6048	65.58	1.24	KAF107	4
26	5199	56.37	1.45		
30	4538	49.2	1.62		
35	3850	41.74	1.80		
40	3365	36.48	2.0		
45	2972	32.22	2.2		
47	2844	30.84	2.3		
51	2637	28.59	2.6		
30	4421	47.93	0.91	K 97	4
35	3862	41.87	1.05	KF 97	4
38	3532	38.3	1.14	KA 97	4
43	3157	34.23	1.28	KAF97	4
47	2843	30.82	1.42		
52	2574	27.91	1.57		
59	2283	24.75	1.77		
65	2063	22.37	1.96		
77	1749	18.96	2.3		
88	1527	16.56	2.6		
47	2895	31.39	0.88	K 87	4
52	2571	27.88	0.99	KF 87	4
59	2298	24.92	1.10	KA 87	4
65	2067	22.41	1.23	KAF87	4
75	1794	19.45	1.37		
84	1607	17.42	1.41		
92	1471	15.95	1.48		
101	1333	14.45	1.5		
116	1158	12.56	1.53		
131	1027	11.13	1.58		
147	919	9.96	1.73		
177	763	8.27	1.84		
203	663	7.19	2.2		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
18.5kW					
2.9	54981	514	0.85		
3.3	48028	449	0.98	K 187R107	4
4.0	39043	365	1.20	KA 187R107	4
5.5	28667	268	1.64		
6.5	24281	227	1.9		
4.7	33481	313	0.90		
5.4	29202	273	1.03		
5.9	26742	250	1.12		
6.7	23319	218	1.29	K 167R107	4
7.2	21714	203	1.39	KA 167R107	4
7.9	19789	185	1.52		
9.0	17436	163	1.73		
11	14868	139	2.0		
12	12943	121	2.3		
8.0	19682	184	0.86	K 157R107	4
9.5	16580	155	1.02	KF 157R107	4
12	13478	126	1.26	KA 157R107	4
13	11766	110	1.44	KAF157R107	4
5.4	30951	180.78	1.52		
6.0	27484	160.53	1.71	K 187	6
6.7	24745	144.53	1.9	KA 187	6
7.4	22317	130.35	2.1		
8.1	20424	180.78	2.3		
9.2	18136	160.53	2.6	K 187	4
10	16328	144.53	2.9	KA 187	4
11	14726	130.35	3.2		
11	15195	134.5	1.98	K 167	4
13	12471	110.39	2.4	KA 167	4
17	9851	87.20	3.1		
10	17061	99.65	0.99	K 157	6
11	15823	92.42	1.08	KF 157	6
12	13654	79.75	1.24	KA 157	6
14	12050	70.38	1.4	KAF157	6
12	13827	122.39	1.22		
15	11258	99.65	1.50		
16	10441	92.42	1.62	K 157	4
18	9010	79.75	1.88	KF 157	4
21	7951	70.38	2.1	KA 157	4
24	6894	61.02	2.5	KAF157	4
27	6133	54.29	2.8		
31	5286	46.79	3.2		
39	4295	38.02	3.9		
13	12442	110.13	0.98		
16	10103	89.43	1.21		
18	9323	82.52	1.31		
21	8016	70.95	1.52	K 127	4
23	7072	62.60	1.73	KF 127	4
27	6109	54.07	2.0	KA 127	4
31	5403	47.82	2.3	KAF127	4
37	4540	40.19	2.7		
41	4121	36.48	3.0		
47	3544	31.36	3.4		
53	3127	27.67	3.9		
20	8165	72.27	0.92		
22	7409	65.58	1.01	K 107	4
26	6368	56.37	1.18	KF 107	4
30	5558	49.2	1.35	KA 107	4
35	4716	41.74	1.47	KAF107	4
40	4121	36.48	1.64		

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输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
18.5kW					
46	3640	32.22	1.86		
48	3484	30.84	1.88	K 107	4
51	3230	28.59	2.1	KF 107	4
57	2931	25.94	2.3	KA 107	4
66	2519	22.30	2.7	KAF107	4
76	2199	19.46	3.1		
89	1865	16.51	3.6		
35	4730	41.87	0.85		
48	3482	30.82	1.16		
53	3153	27.91	1.28	K 97	4
59	2796	24.75	1.45	KF 97	4
66	2527	22.37	1.60	KA 97	4
78	2142	18.96	1.9	KAF97	4
89	1871	16.56	2.2		
106	1565	13.85	2.6		
123	1355	11.99	2.7		
59	2815	24.92	0.83		
66	2532	22.41	0.85		
76	2197	19.45	0.98		
84	1968	17.42	1.05	K 87	4
102	1633	14.45	1.12	KF 87	4
117	1419	12.56	1.21	KA 87	4
132	1257	11.13	1.25	KAF87	4
148	1125	9.96	1.32		
178	934	8.27	1.41		
204	812	7.19	1.50		
22kW					
3.3	57114	449	0.82		
4.0	46429	365	1.01		
5.5	34091	268	1.38	K 187R107	4
6.5	28875	227	1.63	KA 187R107	4
7.4	25313	199	1.86		
8.8	21370	168	2.2		
5.4	34727	273	0.87		
5.9	31801	250	0.95		
6.7	27730	218	1.08	K 167R107	4
7.2	25822	203	1.16	KA 167R107	4
7.9	23533	185	1.28		
9.0	20734	163	1.45		
11	17681	139	1.70		
12	15392	121	2.0		
9.5	19717	155	0.86	K 157R107	4
12	16028	126	1.06	KF 157R107	4
13	13992	110	1.21	KA 157R107	4
				KAF157R107	4
5.4	36807	180.78	1.28		
6.0	32684	160.53	1.44	K 187	6
6.7	29427	144.53	1.60	KA 187	6
7.4	26540	130.35	1.77		
8.6	23044	113.18	2.0		
8.1	24288	180.78	1.94		
9.2	21567	160.53	2.2	K 187	4
10	19418	144.53	2.4	KA 187	4
11	17512	130.35	2.7		
11	18070	134.5	1.66		
13	14831	110.39	2.0	K 167	4
17	11715	87.20	2.6	KA 167	4
19	10460	77.86	2.9		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
22kW					
9.7	20289	99.65	0.83	K 157	6
11	18817	92.42	0.90	KF 157	6
12	16237	79.75	1.04	KA 157	6
14	14330	70.38	1.18	KAF157	6
16	12424	61.02	1.36		
12	16502	122.83	1.03		
15	13388	99.65	1.26		
16	12417	92.42	1.36		
18	10714	79.75	1.58	K 157	4
21	9456	70.38	1.79	KF 157	4
24	8198	61.02	2.1	KA 157	4
27	7294	54.29	2.3	KAF157	4
31	6286	46.79	2.7		
39	5108	38.02	3.3		
16	12015	89.43	1.02		
18	11087	82.52	1.10		
21	9532	70.95	1.28		
23	8410	62.60	1.45		
27	7264	54.07	1.68	K 127	4
31	6425	47.82	1.90	KF 127	4
37	5400	40.19	2.3	KA 127	4
40	4901	36.48	2.5	KAF127	4
47	4215	31.36	2.9		
53	3719	27.67	3.3		
61	3212	23.90	3.8		
70	2841	21.14	4.3		
26	7573	56.37	0.99		
30	6610	49.20	1.11		
35	5608	41.74	1.23		
40	4901	36.48	1.38		
46	4329	32.22	1.56		
48	4143	30.84	1.54	K 107	4
51	3841	28.59	1.76	KF 107	4
57	3485	25.94	1.94	KA 107	4
66	2996	22.30	2.2	KAF107	4
76	2614	19.46	2.3		
89	2218	16.51	2.6		
102	1939	14.43	2.6		
109	1815	13.51	2.9		
125	1584	11.79	3.0		
147	1343	10	3.3		
48	4141	30.82	0.98		
53	3750	27.91	1.08		
59	3325	24.75	1.22		
66	3005	22.37	1.34	K 97	4
78	2547	18.96	1.59	KF 97	4
89	2225	16.56	1.82	KA 97	4
106	1861	13.85	1.87	KAF97	4
123	1611	11.99	2.1		
137	1439	10.71	2.2		
164	1202	8.95	2.3		
76	2613	19.45	0.83		
84	2340	17.42	0.88		
102	1941	14.45	0.94	K 87	4
117	1687	12.56	1.02	KF 87	4
132	1495	11.13	1.05	KA 87	4
148	1338	9.96	1.11	KAF87	4
178	1111	8.27	1.18		
204	966	7.19	1.27		



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输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
30kW					
5.5	49099	268	0.96	K 187R107	4
6.5	41587	227	1.13	KA 187R107	4
7.4	36458	199	1.29		
8.8	30778	168	1.5		
6.7	39938	218	0.75		
7.2	37190	203	0.81		
7.9	33893	185	0.89	K 167R107	4
9.0	29862	163	1.01	KA 167R107	4
11	25465	139	1.18		
12	22168	121	1.36		
8.1	33120	180.78	1.42		
8.9	30423	166.06	1.54		
10	26478	144.53	1.78	K 187	4
11	23996	130.98	1.96	KA 187	4
13	20735	113.18	2.3		
14	18813	102.69	2.5		
17	16206	88.46	2.9		
13	20048	109.43	1.50		
17	15975	87.20	1.88	K 167	4
19	14554	79.44	2.1	KA 167	4
22	12427	67.83	2.4		
24	11088	60.52	2.7		
15	18256	99.65	0.93		
16	16932	92.42	1.00		
18	14611	79.75	1.16		
21	12894	70.38	1.31	K 157	4
24	11179	61.02	1.51	KF 157	4
27	9946	54.29	1.70	KA 157	4
31	8572	46.79	1.97	KAF157	4
39	6965	38.02	2.4		
47	5734	31.30	3.0		
21	12998	70.95	0.94		
23	11469	62.60	1.07		
27	9906	54.07	1.23	K 127	4
31	8761	47.82	1.39	KF 127	4
37	7363	40.19	1.66	KA 127	4
40	6683	36.48	1.83	KAF127	4
47	5747	31.36	2.1		
53	5071	27.67	2.4		
61	4380	23.90	2.8		
35	7647	41.74	0.90		
40	6683	36.48	1.01		
46	5903	32.22	1.08		
51	5238	28.59	1.29		
57	4752	25.94	1.42	K 107	4
66	4085	22.30	1.63	KF 107	4
76	3565	19.46	1.66	KA 107	4
89	3025	16.51	1.87	KAF107	4
102	2644	14.43	1.90		
109	2475	13.51	2.15		
125	2160	11.79	2.19		
147	1832	10.00	2.39		
168	1601	8.74	2.45		
59	4534	24.75	0.89		
66	4098	22.37	0.99		
78	3474	18.96	1.16	K 97	4
89	3034	16.56	1.33	KF 97	4
106	2537	13.85	1.59	KA 97	4
123	2197	11.99	1.66	KAF97	4
137	1962	10.71	1.37		
164	1640	8.95	1.52		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
37kW					
5.5	56947	268	0.83		
6.5	48235	227	0.97	K 187R107	4
7.4	42285	199	1.11	KA 187R107	4
8.8	35698	168	1.32		
8.0	39310	185	0.77		
9.1	34635	163	0.87	K 167R107	4
11	29536	139	1.02	KA 167R107	4
12	25711	121	1.17		
8.2	40572	180.78	1.16		
8.9	37268	166.06	1.26		
10	32436	144.53	1.45	K 187	4
11	29395	130.98	1.60	KA 187	4
13	25400	113.18	1.85		
14	23046	102.69	2.0		
17	19853	88.46	2.4		
14	24559	109.43	1.22		
17	19646	87.54	1.53		
19	17828	78.44	1.69	K 167	4
22	15301	68.18	2.0	KA 167	4
24	13582	60.52	2.2		
35	9592	42.74	3.1		
16	20741	92.42	0.82		
19	17898	79.75	0.95		
21	15795	70.38	1.07	K 157	4
24	13694	61.02	1.24	KF 157	4
27	12184	54.29	1.39	KA 157	4
32	10501	46.79	1.61	KAF157	4
39	8533	38.02	1.98		
47	7025	31.30	2.4		
24	14049	62.60	0.87		
27	12135	54.07	1.01		
31	10732	47.82	1.14		
37	9020	40.19	1.35		
41	8187	36.48	1.49		
47	7040	31.36	1.74	K 127	4
53	6212	27.67	1.97	KF 127	4
62	5366	23.90	2.3	KA 127	4
70	4747	21.14	2.6	KAF127	4
83	3988	17.77	2.8		
103	3220	14.35	3.1		
116	2870	12.78	3.1		
138	2410	10.74	3.5		
171	1948	8.68	3.5		
41	8187	36.48	0.83		
48	6921	30.84	0.92		
52	6416	28.59	1.05		
57	5822	25.94	1.16		
66	5005	22.3	1.33	K 107	4
76	4367	19.46	1.35	KF 107	4
90	3705	16.51	1.53	KA 107	4
103	3238	14.43	1.55	KAF107	4
110	3032	13.51	1.75		
126	2646	11.79	1.79		
148	2244	10.00	1.82		
169	1961	8.74	1.95		

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输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
45kW					
6.5	58664	227	0.80	K 187R107	4
7.4	51428	199	0.91	KA 187R107	4
8.8	43416	168	1.08		
11	35922	139	0.84	K 167R107	4
12	31270	121	0.96	KA 167R107	4
8.2	49344	180.78	0.95		
8.9	45326	166.06	1.04		
10	39449	144.53	1.19		
11	35751	130.98	1.31	K 187	4
13	30892	113.18	1.52	KA 187	4
14	28029	102.69	1.68		
17	24145	88.46	1.9		
20	20291	74.34	2.3		
14	29869	109.43	1.01		
17	23894	87.54	1.26		
19	21683	79.44	1.42	K 167	4
22	18610	68.18	1.62	KA 167	4
24	16519	60.52	1.82		
29	14079	51.58	2.1		
35	11666	42.74	2.6		
21	19210	70.38	0.88		
24	16655	61.02	1.02		
27	14818	54.29	1.14		
32	12771	46.79	1.32	K 157	4
39	10378	38.02	1.63	KF 157	4
47	8543	31.30	2.0	KA 157	4
54	7539	27.62	2.2	KAF157	4
62	6537	23.95	2.6		
69	5817	21.31	2.9		
81	5014	18.37	3.4		
31	13052	47.82	0.94		
37	10970	40.19	1.11		
41	9957	36.48	1.23		
47	8562	31.36	1.43		
53	7555	27.67	1.62	K 127	4
62	6526	23.90	1.87	KF 127	4
70	5773	21.14	2.1	KA 127	4
83	4850	17.77	2.3	KAF127	4
103	3917	14.35	2.5		
116	3491	12.78	2.6		
138	2931	10.74	2.8		
171	2369	8.68	2.9		
52	7804	28.59	0.87		
57	7080	25.94	0.96		
66	6087	22.30	1.10		
76	5312	19.46	1.11	K 107	4
90	4506	16.51	1.26	KF 107	4
103	3939	14.43	1.44	KA 107	4
110	3688	13.51	1.47	KAF107	4
126	3218	11.79	1.55		
148	2729	10.00	1.60		
169	2386	8.74	1.64		
55kW					
10	45904	145.33	1.02		
11	41371	130.98	1.14		
13	36261	114.80	1.30	K 187	4
14	32436	102.69	1.45	KA 187	4
17	29511	88.46	1.59		
20	24800	74.34	1.90		
23	21474	64.37	2.19		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type	极数 Pole p
55kW					
17	29204	87.54	1.03		
19	25974	77.86	1.16		
22	22745	68.18	1.32	K 167	4
24	20263	60.74	1.48	KA 167	4
29	17207	51.58	1.75		
35	14258	42.74	2.1		
41	12170	36.48	2.5		
24	20357	61.02	0.83		
27	18111	54.29	0.93		
32	15609	46.79	1.08		
39	12684	38.02	1.33		
47	10442	31.30	1.62	K 157	4
54	9214	27.62	1.84	KF 157	4
62	7990	23.95	2.1	KA 157	4
69	7109	21.31	2.4	KAF157	4
81	6128	18.37	2.8		
99	4977	14.92	3.4		
117	4220	12.65	3.8		
37	13408	40.19	0.91		
47	10465	31.36	1.17		
53	9234	27.67	1.32		
62	7976	23.90	1.53	K 127	4
70	7056	21.14	1.73	KF 127	4
83	5928	17.77	2.06	KA 127	4
103	4787	14.35	2.38	KAF127	4
116	4267	12.78	1.88		
138	3583	10.74	2.1		
171	2896	8.68	2.3		
75kW					
11	59298	130.35	0.79		
13	52224	114.80	0.90		
14	47016	103.35	1.00	K 187	4
17	40242	88.46	1.17	KA 187	4
20	33818	74.34	1.39		
23	29283	64.37	1.61		
28	24402	53.64	1.9		
32	20803	45.73	2.3		
19	35420	77.86	0.85		
22	30857	67.83	0.97		
24	27531	60.52	1.09		
29	23496	51.65	1.28		
34	19598	43.08	1.53	K 167	4
41	16595	36.48	1.81	KA 167	4
46	14616	32.13	2.1		
52	13042	28.67	2.3		
61	11114	24.43	2.7		
39	17296	38.02	0.98		
47	14239	31.30	1.19		
54	12565	27.62	1.35	K 157	4
62	10895	23.95	1.55	KF 157	4
69	9694	21.31	1.75	KA 157	4
81	8357	18.37	2.0	KAF157	4
99	6787	14.92	2.5		
117	5755	12.65	2.9		
47	14271	31.36	0.86		
53	12592	27.67	0.97		
62	10877	23.90	1.12	K 127	4
70	9621	21.14	1.27	KF 127	4
83	8084	17.77	1.36	KA 127	4
103	6528	14.35	1.51	KAF127	4
114	5900	12.78	1.54		
138	4886	10.74	1.72		
171	3949	8.68	1.74		



输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
90kW					
14	56058	102.69	0.84		
16	51134	93.67	0.92		
19	42242	77.38	1.11		
23	35139	64.37	1.34	K 187	4
28	29282	53.64	1.61	KA 187	4
31	26427	48.41	1.8		
34	23796	43.59	2.0		
38	21170	38.78	2.2		
22	37028	67.83	0.81		
24	33038	60.52	0.91		
29	28157	51.58	1.07		
35	23332	42.74	1.29	K 167	4
40	19953	36.55	1.51	KA 167	4
45	17807	32.62	1.69		
52	15651	28.67	1.92		
61	13336	24.43	2.3		
73	11054	20.25	2.7		
86	9433	17.28	3.2		
39	20755	38.02	0.82		
47	17087	31.30	0.99		
54	15078	27.62	1.12	K 157	4
62	13074	23.95	1.29	KF 157	4
69	11633	21.31	1.45	KA 157	4
81	10028	18.37	1.69	KAF157	4
99	8145	14.92	2.1		
117	6906	12.65	2.5		
62	13052	23.90	0.94		
70	11546	21.14	1.06		
83	9701	17.77	1.15	K 127	4
103	7834	14.35	1.26	KF 127	4
116	6982	12.78	1.28	KA 127	4
138	5863	10.74	1.43	KAF127	4
171	4738	8.68	1.45		
110kW					
17	58625	88.46	0.80		
20	49267	74.34	0.95		
21	46173	69.67	1.02		
24	41853	63.14	1.12	K 187	4
33	30307	45.73	1.55	KA 187	4
35	28332	42.75	1.66		
38	26178	39.50	1.80		
42	23441	35.37	2.0		
53	18610	28.08	2.5		
29	34184	51.58	0.88		
35	28325	42.74	1.06		
41	24176	36.48	1.24		
46	21618	32.62	1.39	K 167	4
54	18378	27.73	1.64	KA 167	4
61	16191	24.43	1.86		
74	13420	20.25	2.2		
86	11452	17.28	2.6		
60	15872	23.95	1.07	K 157	4
70	14123	21.31	1.20	KF 157	4
81	12174	18.37	1.39	KA 157	4
100	9888	14.92	1.71	KAF157	4
118	8384	12.65	2.0		

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	使用系数 Service factor f_B	机型号 Type Type	极数 Pole p
132kW					
20	59121	74.34	0.79		
23	51192	64.37	0.92		
28	42659	53.64	1.10		
31	38499	48.41	1.22		
34	34666	43.59	1.36	K 187	4
38	30841	38.78	1.52	KA 187	4
45	26570	33.41	1.77		
53	22331	28.08	2.1		
61	19333	24.31	2.3		
74	16112	20.26	2.6		
86	13734	17.27	2.8		
35	33990	42.74	0.88		
41	29012	36.48	1.04		
46	25942	32.62	1.16	K 167	4
54	22053	27.73	1.36	KA 167	4
61	19429	24.43	1.55		
74	16104	20.25	1.87		
86	13742	17.28	2.2		
62	19047	23.95	0.89		
70	16947	21.31	1.00	K 157	4
81	14609	18.37	1.16	KF 157	4
100	11866	14.92	1.43	KA 157	4
118	10060	12.65	1.59	KAF157	4
160kW					
28	51708	53.64	0.91		
33	44082	45.73	1.07		
42	34096	35.37	1.38		
47	30693	31.84	1.53	K 187	4
61	23434	24.31	1.9	KA 187	4
74	19530	20.26	2.1		
86	16648	17.27	2.3		
41	35166	36.48	0.86		
62	23338	24.21	1.29	K 167	4
73	19800	20.54	1.52	KA 167	4
86	16657	17.28	1.81		
81	17708	18.37	0.96	K 157	4
100	14382	14.92	1.18	KF 157	4
118	12194	12.65	1.39	KA 157	4
				KAF157	4
200kW					
33	55103	45.73	0.85		
45	40258	33.41	1.17	K 187	4
47	38366	31.84	1.23	KA 187	4
59	30618	25.41	1.54		
74	24413	20.26	1.69		
86	20810	17.27	1.87		
61	29437	24.43	1.02	K 167	4
73	24750	20.54	1.22	KA 167	4
86	20906	17.35	1.44		
100	17978	14.92	0.94	K 157	4
118	15243	12.65	1.05	KF 157	4
				KA 157	4
				KAF157	4

Mamax Permissible torque Nm	输出转速 Output speed r/min	传动比 Ratio i	机型号 Type Type	功率 Power kW/4p
200	5.0	279	K 37R17 KF 37R17 KA 37R17 KAF37R17	0.18
	5.2	267		
	5.9	234		
	6.8	205		0.25
	7.7	181		
	8.7	160		
	10	136		
	11	127		
	13	110		0.37
	14	96		
400	2.5	552	K 47R37 KF 47R37 KA 47R37 KAF47R37	0.18
	2.8	495		
	3.3	416		
	3.7	375		0.25
	4.3	326		
	4.8	289		
	5.6	250		0.37
	6.3	219		
	7.2	193		
	8.3	167		0.55
	9.3	149		
	11	128		
600	1.5	906	K 57R37 KF 57R37 KA 57R37 KAF57R37	0.18
	1.7	806		
	2.0	699		
	2.3	615		0.25
	2.6	544		
	2.9	473		
	3.3	421		0.37
	3.8	362		
	4.4	319		
	5.1	273		
	5.8	240		0.55
	6.5	215		
	7.2	192		
	8.4	166		0.75
	9.9	141		
	11	126		
	13	108		1.10
	15	95		
820	1.2	1171	K 67R37 KF 67R37 KA 67R37 KAF67R37	0.18
	1.3	1034		
	1.5	903		
	1.8	793		0.25
	2.0	697		
	2.3	613		
	2.6	542		0.37
	3.0	471		
	3.3	420		
	3.9	361		0.55
	4.3	323		
	5.1	272		
	5.8	240		
	6.4	217		0.75
	7.3	191		
1550	0.59	2370	K 77R37 KF 77R37 KA 77R37 KAF77R37	0.18
	0.68	2050		
	0.78	1772		
	0.92	1514		
	1.0	1388		0.25
	1.1	1218		
	1.3	1053		
	1.5	924		0.37
	1.7	815		
	2.0	709		
	2.2	622		0.55
	2.5	552		
	2.9	485		
	3.2	428		0.75
	3.9	358		
	4.3	320		1.1
	4.9	283		
	5.7	246		
2700	0.34	4037	K 87R57 KF 87R57 KA 87R57 KAF87R57	0.18
	0.39	3609		
	0.45	3107		
	0.51	2728		0.25
	0.59	2371		
	0.67	2088		
	0.75	1854		
	0.84	1658		0.37
	0.98	1415		
	1.1	1229		
	1.3	1078		0.55
	1.5	951		
	1.7	837		
	1.9	726		0.75
	2.2	638		
	2.5	562		1.1
	3.0	474		
	3.3	426		
	3.8	373		1.5
	4.2	330		
	4.8	293		2.2
	5.6	250		
	5.9	236		
	7.0	201		
4300	0.23	6027	K 97R57 KF 97R57 KA 97R57 KAF97R57	0.18
	0.26	5392		
	0.30	4669		
	0.34	4082		0.25
	0.39	3583		
	0.45	3108		
	0.51	2757		0.37
	0.58	2419		
	0.66	2123		
	0.75	1856		0.55
	0.86	1625		
	0.98	1430		
	1.1	1261		
	1.3	1102		0.75
	1.5	957		
	1.6	855		1.1
	1.9	743		
	2.1	651		
	2.4	573		1.5
	2.8	504		
	3.2	437		2.2
	3.6	382		
	4.1	342		

表上所配功率均有超载,按实际条件确定的转扭不得大于减速机额定转扭。

The power are all overload in the table.The decided torque according to operating condition should not more than gear units' nominal torque.



Mamax Permissible torque Nm	输出转速 Output speed r/min	传动比 Ratio i	机型号 Type	功率 Power kW/4p
4300	4.6	305	K 97R57	3.0
	5.4	258	KF 97R57	
	6.0	232	KA 97R57	
	7.1	199	KAF97R57	4.0
8000	0.13	10528		0.18
	0.15	9391		
	0.17	8211		
	0.19	7167		0.25
	0.23	6097		
	0.25	5582		
	0.27	5065		0.37
	0.32	4299		
	0.37	3757		
	0.43	3236		0.55
	0.48	2869		
	0.56	2504		
	0.63	2203		0.75
	0.74	1869		
	0.83	1689	K 107R77	1.1
	0.91	1533	KF 107R77	
	1.1	1317	KA 107R77	
	1.2	1150	KAF107R77	1.5
	1.4	1015		
	1.6	871		
	1.8	782		2.2
	2.0	686		
	2.3	606		
	2.7	515		3.0
	3.1	455		
	3.6	402		4.0
	4.1	351		
	4.7	307		5.5
	5.2	277		
	5.9	243		
13000	0.08	17550		0.18
	0.09	16006		
	0.10	14975		
	0.11	12440		
	0.13	10914		0.25
	0.14	9819		
	0.16	8443		0.37
	0.19	7483		
	0.21	6565		
	0.24	5804		0.55
	0.28	5027	K 127R77	
	0.31	4423	KF 127R77	
	0.37	3801	KA 127R77	
	0.43	3237	KAF127R77	0.75
	0.47	2941		
	0.55	2548		1.1
	0.63	2218		
	0.72	1926		
	0.79	1757		1.5
	0.90	1541		
	1.0	1342		2.2
	1.2	1177		
	1.4	1025		

Mamax Permissible torque Nm	输出转速 Output speed r/min	传动比 Ratio i	机型号 Type	功率 Power kW/4p
13000	1.5	899	K 127R77	3.0
	1.8	790	KF 127R77	
	2.0	690	KA 127R77	
	2.3	599	KAF127R77	4.0
	2.6	539		
	3.0	468		5.5
	3.4	410		
	2.6	536	K 127R87	4.0
	2.9	473	KF 127R87	5.5
	3.3	418	KA 127R87	
	3.8	367	KAF127R87	7.5
	4.2	330		
	4.8	290		
18000	0.08	17679		0.55
	0.09	15729		
	0.10	14721		
	0.11	13097		
	0.12	11368		
	0.14	10114		
	0.16	8718		
	0.18	7734		
	0.27	5074		1.1
	0.31	4514		
	0.35	3974		
	0.40	3516		
	0.46	3047	K 157R97	
	0.48	2899	KF 157R97	1.5
	0.60	2319	KA 157R97	
	0.69	2026	KAF157R97	2.2
	0.77	1802		
	0.83	1680		
	1.0	1365		
	1.1	1229		3.0
	1.3	1093		
	1.5	942		4.0
	1.6	854		
	1.8	756		
	2.1	661		5.5
	2.5	565		
	2.9	503		7.5
	3.3	433		
	5.0	290		11
	4.8	307	K 157R107	11
	5.6	260	KF 157R107	15
	6.2	237	KA 157R107	
	7.0	210	KAF157R107	
32000	0.07	19653		0.55
	0.08	17345		
	0.09	14945		
	0.11	13190		
	0.12	11532	K 167R97	
	0.14	10227	KA 167R97	
	0.16	8597		0.75
	0.21	6538		1.1
	0.26	5366		
	0.29	4798		1.5
	0.34	4059		

表上所配功率均有超载,按实际条件确定的转扭不得大于减速机额定转扭。

The power are all overload in the table.The decided torque according to operating condition should not more than gear units' nominal torque.

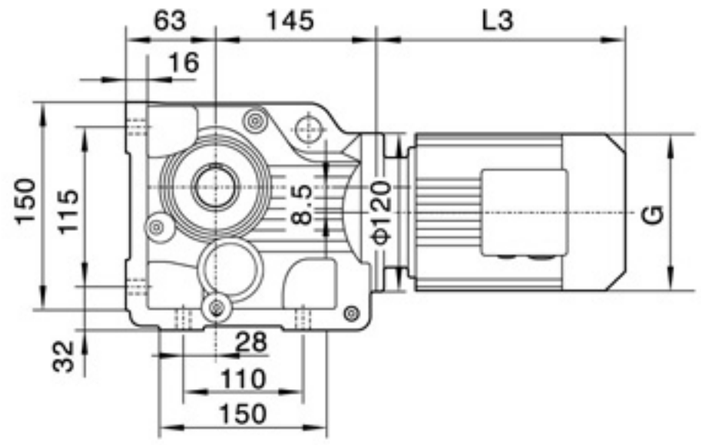
K

Mamax Permissible torque Nm	输出转速 Output speed r/min	传动比 Ratio i	机型号 Type	功率 Power kW/4p
32000	0.42	3359	K 167R97 KA 167R97	2.2
	0.52	2741		
	0.63	2252		3
	0.65	2174		
	0.85	1698		4
	1.0	1402		
	1.1	1291		5.5
	1.3	1101		
	1.5	944		7.5
	1.7	843		
	1.9	757		
	2.6	561		11
	3.0	479		
	3.4	422		15
	3.9	367		
	4.7	313	K 167R107 KA 167R107	18.5
	5.4	273		22
	5.9	250		
	6.7	218		30
	7.2	203		
	7.9	185		
	9.0	163		37
	11	139		45
	12	121		
50000	0.04	32625	K 187R97 KA 187R97	0.55
	0.05	27165		
	0.06	24353		
	0.07	19144		
	0.08	16978		
	0.10	14272		0.75
	0.11	13116		
	0.12	11647		
	0.13	10413		1.1
	0.15	9363		
	0.17	8126		
	0.19	7333		1.5
	0.21	6738		
	0.24	5984		
	0.27	5350		2.2
	0.30	4810		
	0.33	4364		
	0.39	3609		3
	0.46	3062		
	0.56	2519		4
	0.63	2268		
	0.69	2054		
	0.78	1821		5.5
	0.88	1605		
	1.0	1395		7.5
	1.2	1196		
	2.0	737		15
	2.4	619		
	2.8	524		18.5

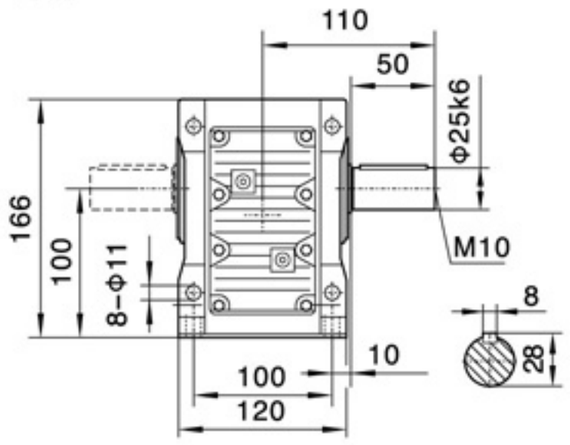
Mamax Permissible torque Nm	输出转速 Output speed r/min	传动比 Ratio i	机型号 Type	功率 Power kW/4p
50000	2.0	720	K 187R107 KA 187R107	15
	2.4	614		
	2.9	514		18.5
	3.3	449		
	4.0	365		30
	5.5	268		37
	6.5	227		45
	7.4	199		
	8.8	168		

表上所配功率均有超载,按实际条件确定的转扭不得大于减速机额定转扭。

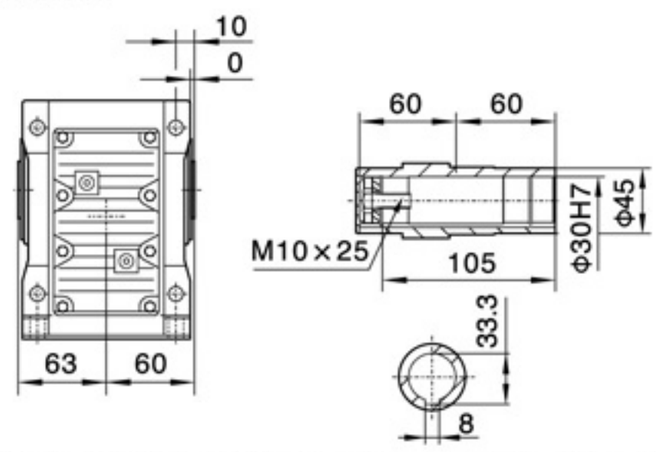
The power are all overload in the table.The decided torque according to operating condition should not more than gear units' nominal torque.

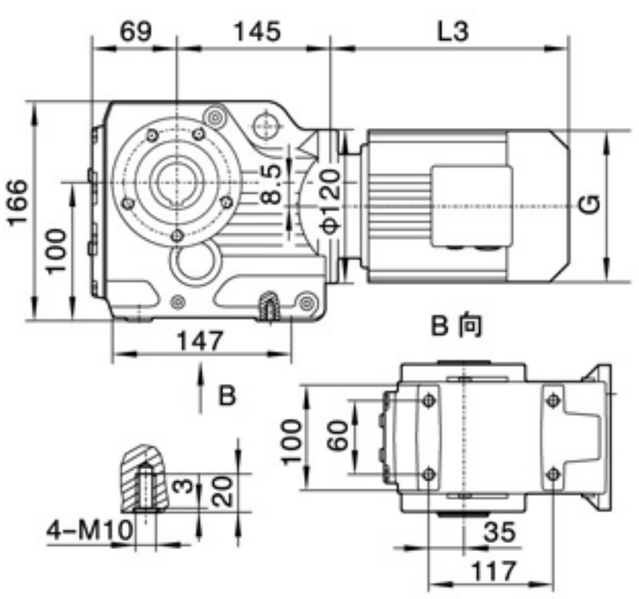


K37

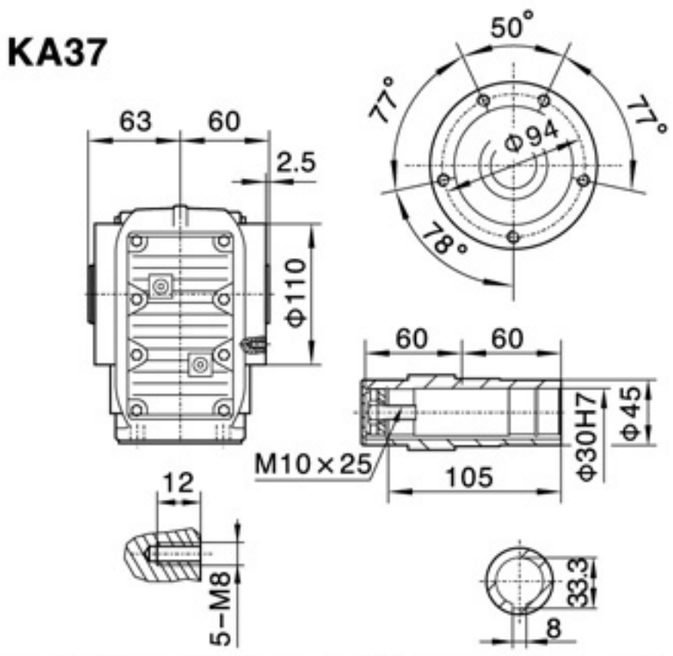


KAB37

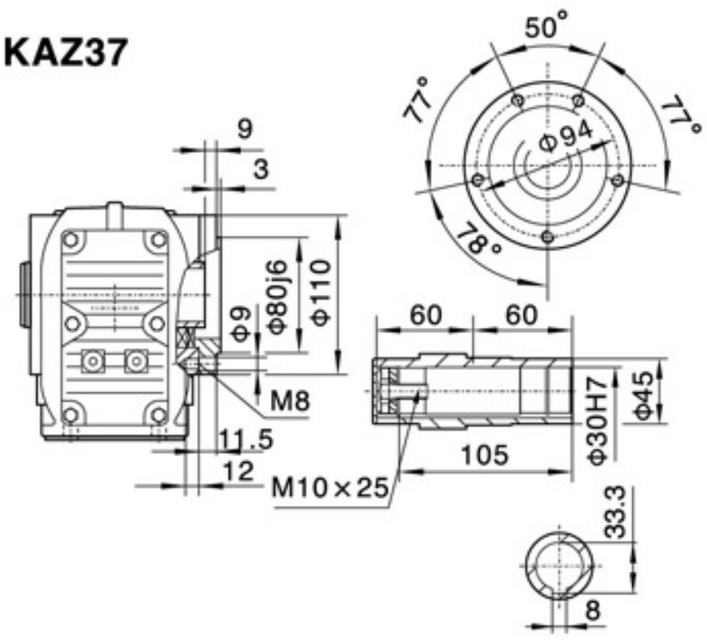


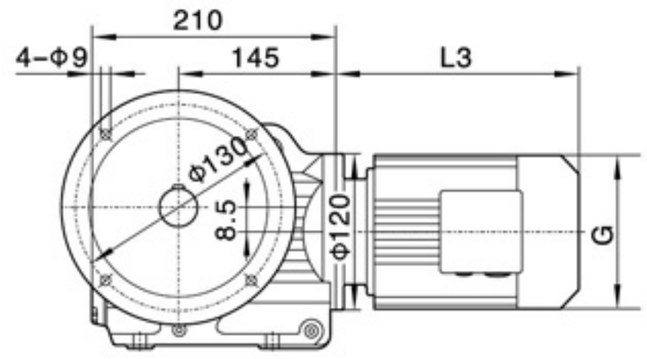


KA37

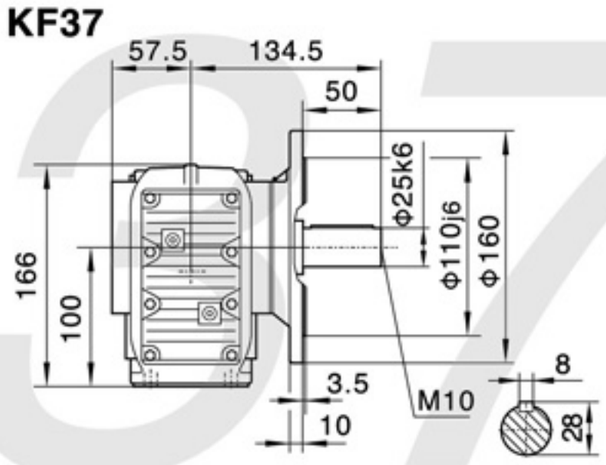


KAZ37

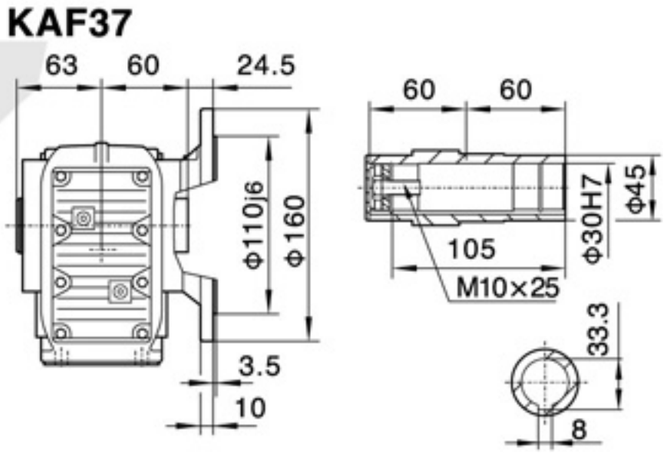




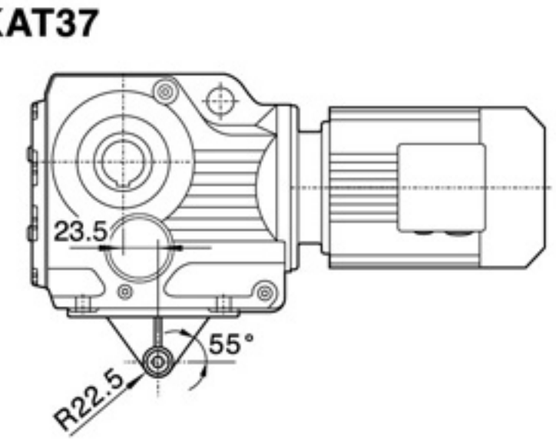
KF37

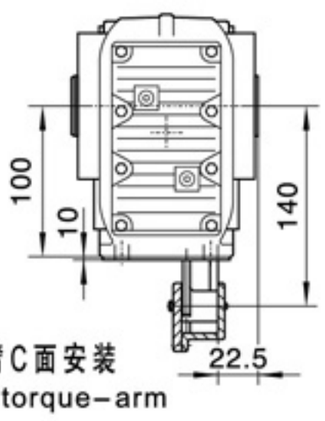


KAF37

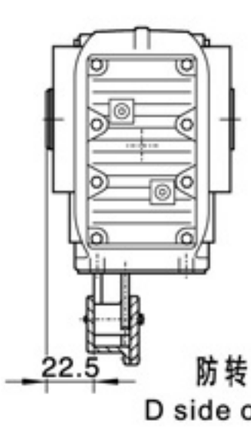


KAT37

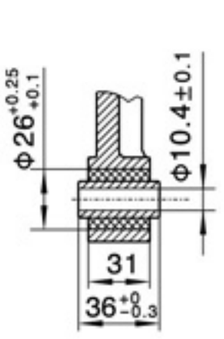




防转臂C面安装
C side of torque-arm

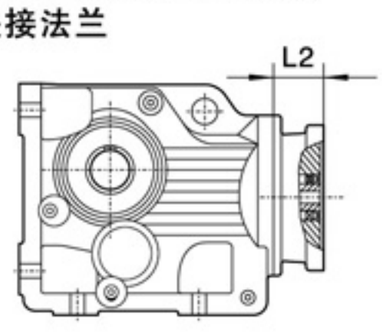


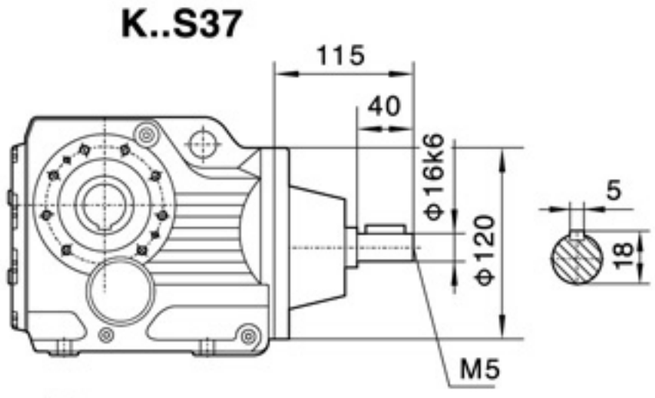
防转臂D面安装
D side of torque-arm



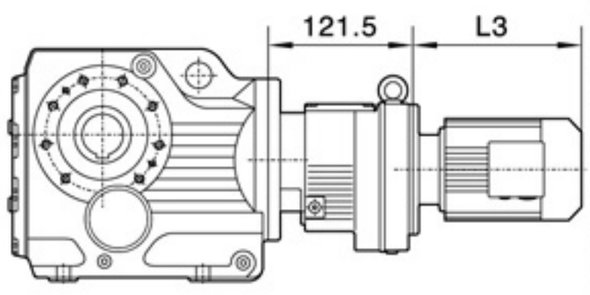
电机需方配或配特殊电机时
需加联接法兰

K..S37





K..37R17



注:其余尺寸见相对应结构形式

Note:For other values please refer to the opposited structure.

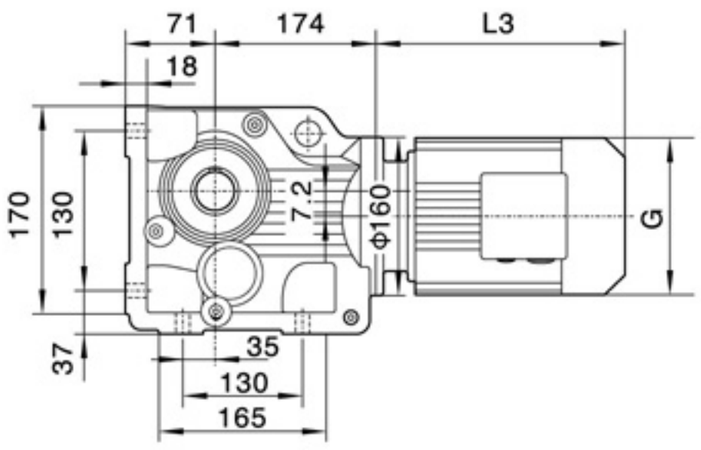
When equipping the user's motor or the special one,the flange is required to connected.

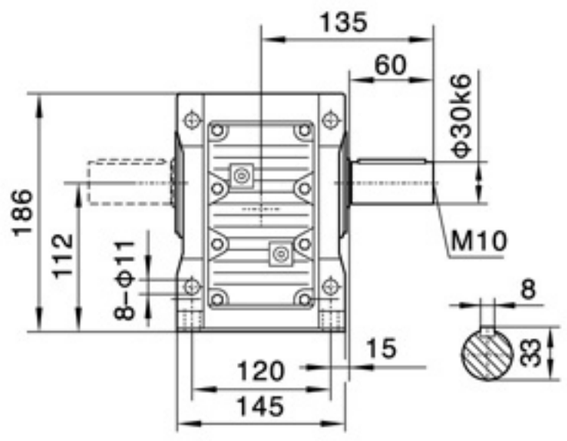
Y2电机机座号 Motor size	63	71		80		90S	90L	100					
功率/4P Power/(kW)	0.18	0.25	0.37	0.55	0.75	1.1	1.5	2.2	3.0				
L3	235	245		278		304	328	340					
G	130	145		175		195	195	215					
L2	70	70		97		97	97	109					

注:1.KA、KF、KAF、KAZ壳体为通用件,安装尺寸均可相互参照. 2."K.."表示K、KA、KF、KAF、KAZ、KAB.
Note:1.The housings of KA、KF、KAF、KAZ are common parts.The mounting dimensions may consult each other. 2."K.."mean K、KA、KF、KAF、KAZ、KAB.

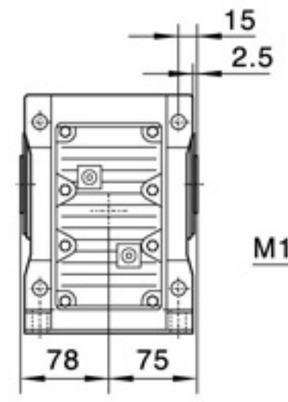
K

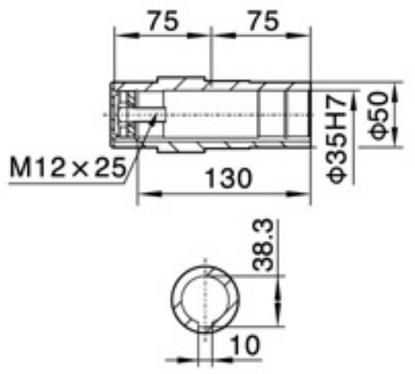
K47



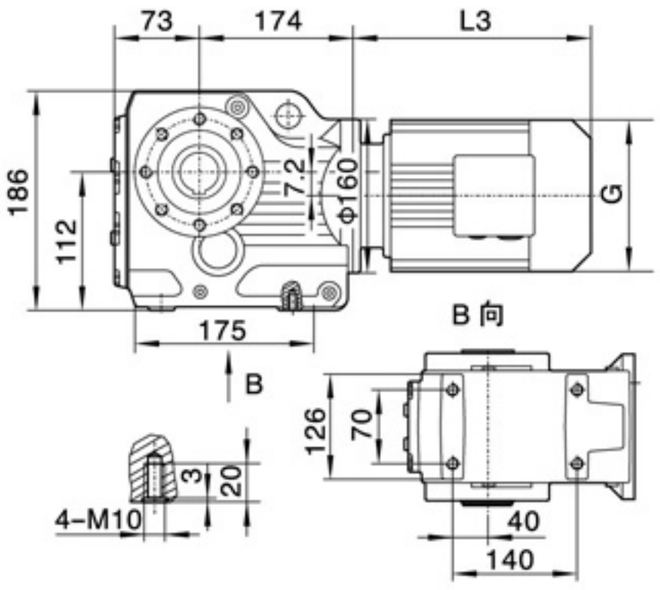


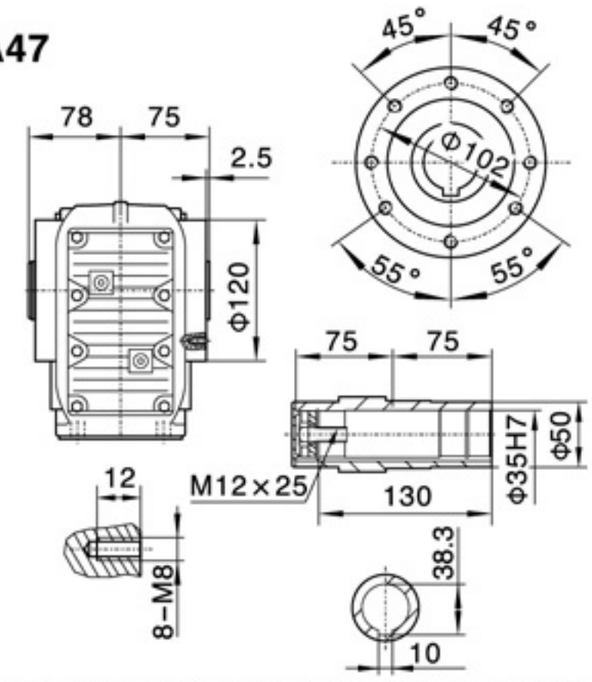
KAB47



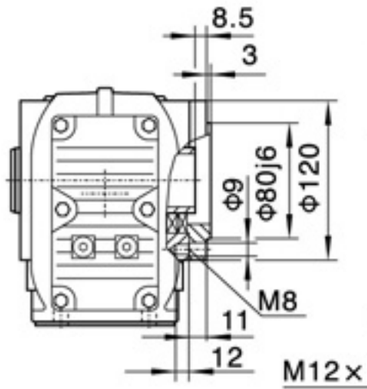


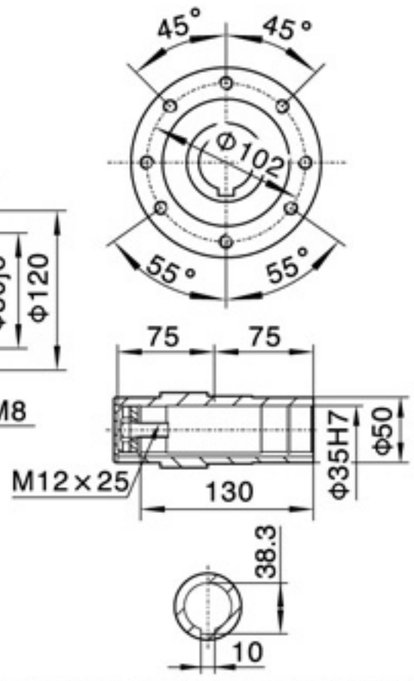
KA47



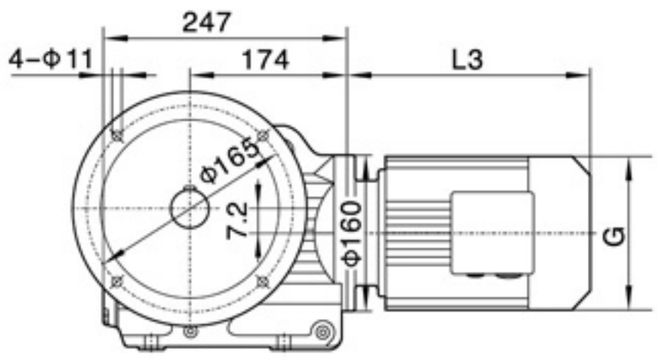


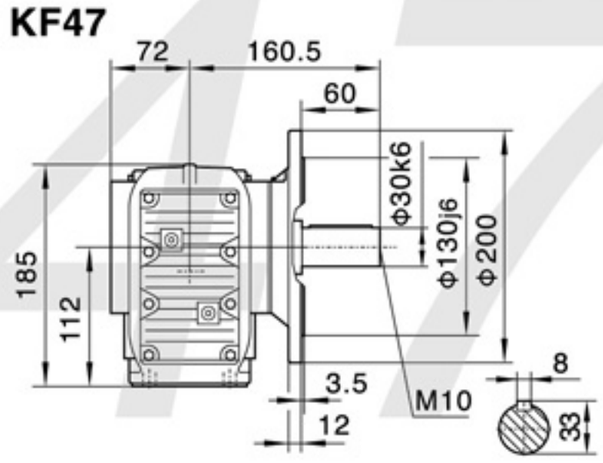
KAZ47



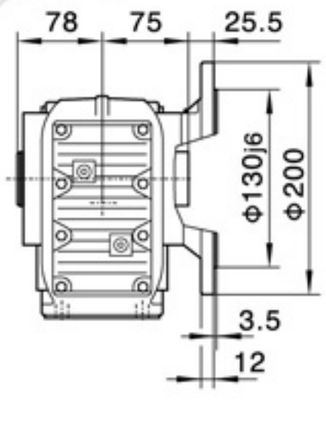


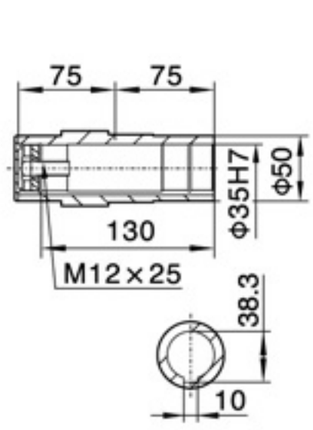
KF47



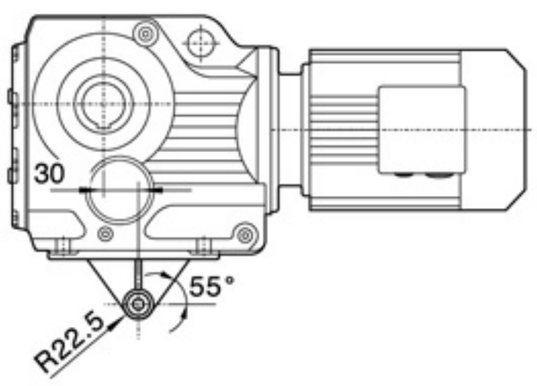


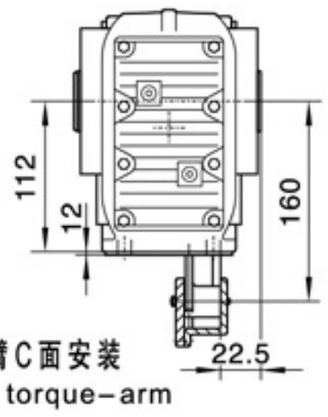
KAF47



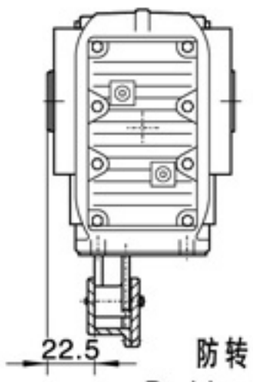


KAT47

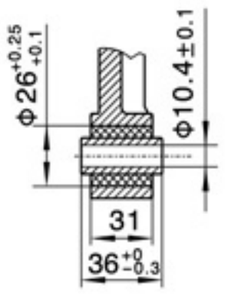




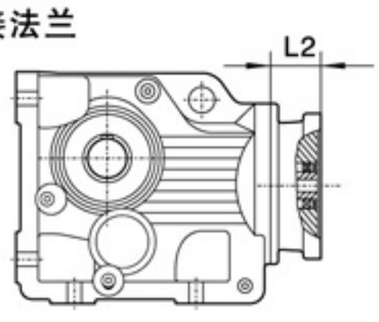
防转臂C面安装
C side of torque-arm



防转臂D面安装
D side of torque-arm

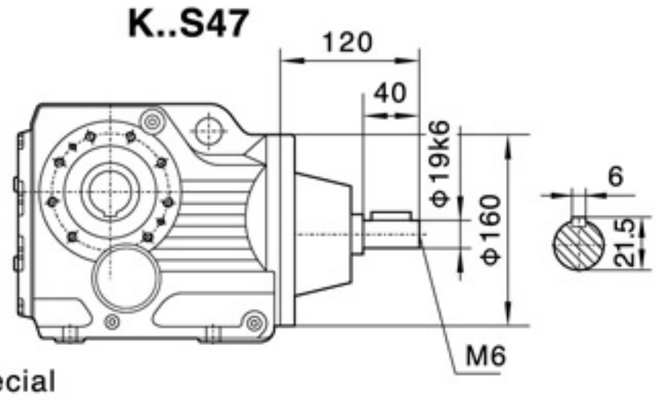


电机需方配或配特殊电机时
需加联接法兰

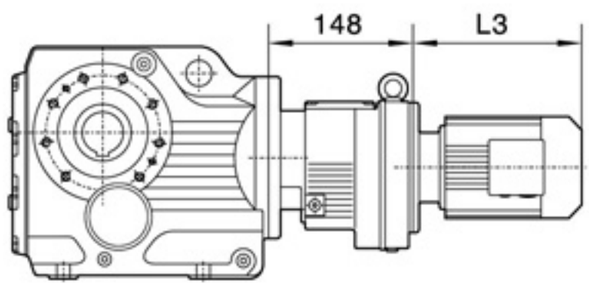


When equipping the user's motor or the special one,the flange is required to connected.

K..S47



K..47R37

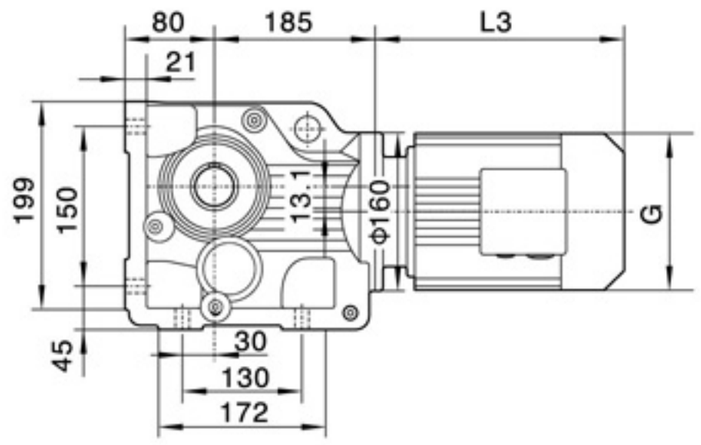


注:其余尺寸见相对应结构形式

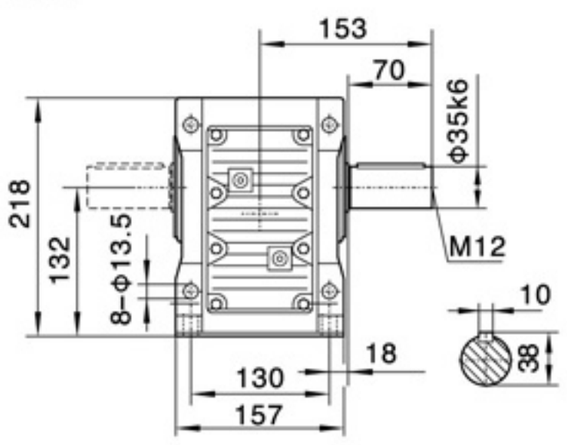
Note:For other values please refer to the opposited structure.

Y2电机机座号 Motor size	63	71		80		90S	90L	100		112M	132S		
功率/4P Power/(kW)	0.18	0.25	0.37	0.55	0.75	1.1	1.5	2.2	3.0	4.0	5.5		
L3	223	245		278		304	328	350		383	428		
G	130	145		175		195	195	215		240	275		
L2	70	70		91		91	91	103		103	90		

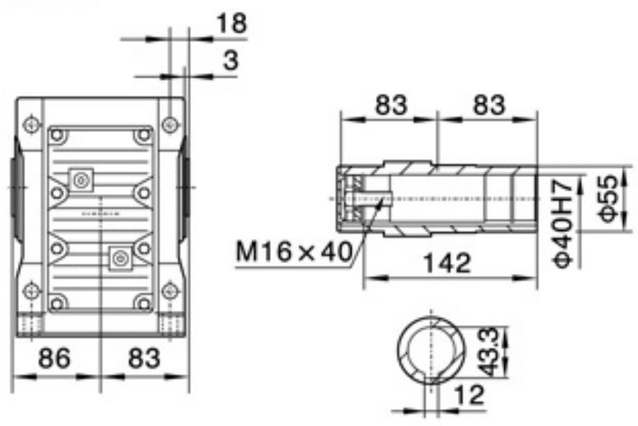
注:1.KA、KF、KAF、KAZ壳体为通用件,安装尺寸均可相互参照. 2."K.."表示K、KA、KF、KAF、KAZ、KAB.
Note:1.The housings of KA、KF、KAF、KAZ are common parts.The mounting dimensions may consult each other. 2."K.."mean K、KA、KF、KAF、KAZ、KAB.

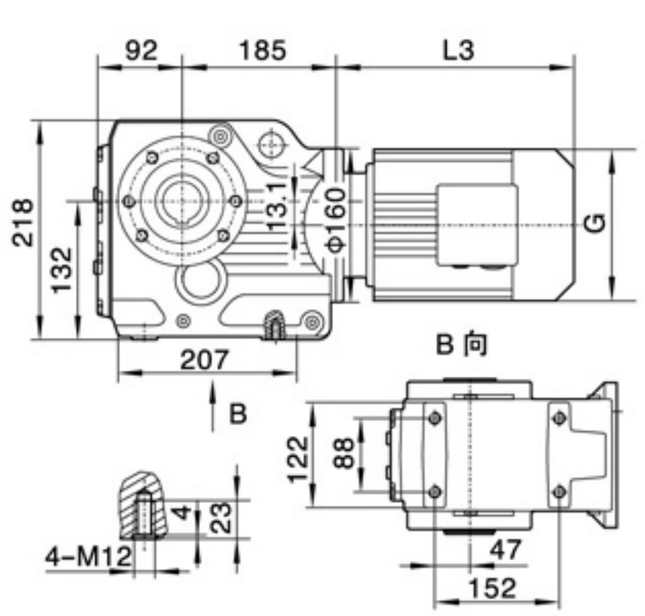


K57

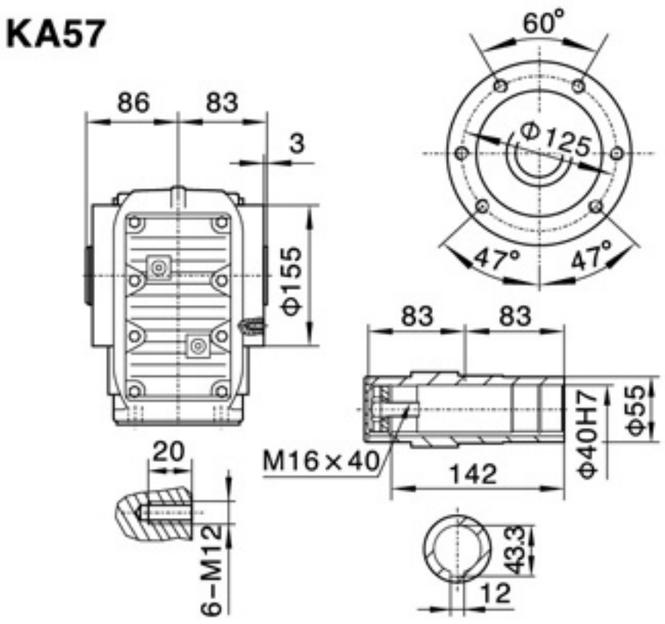


KAB57

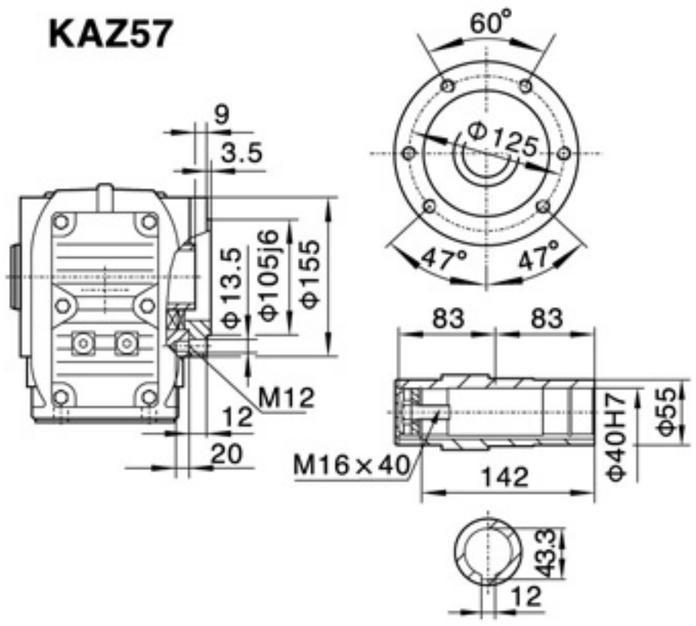


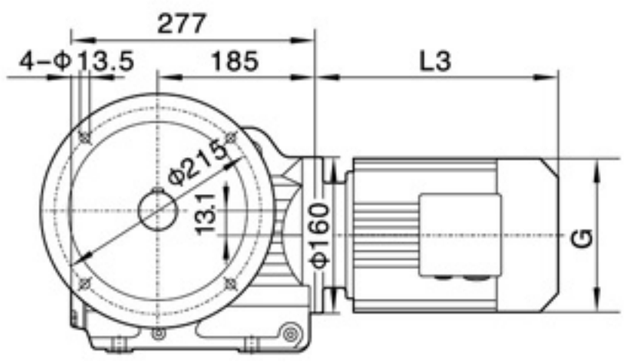


KA57

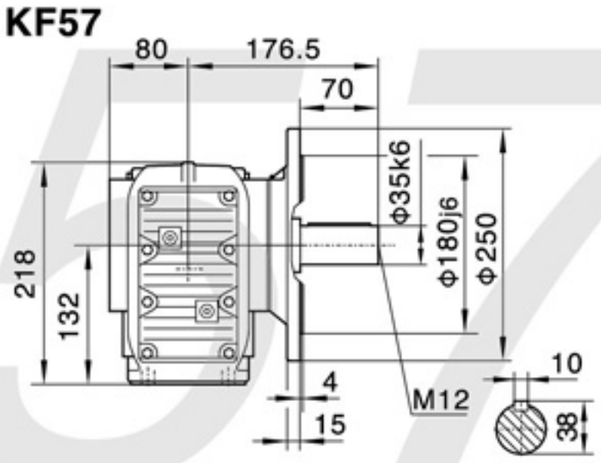


KAZ57

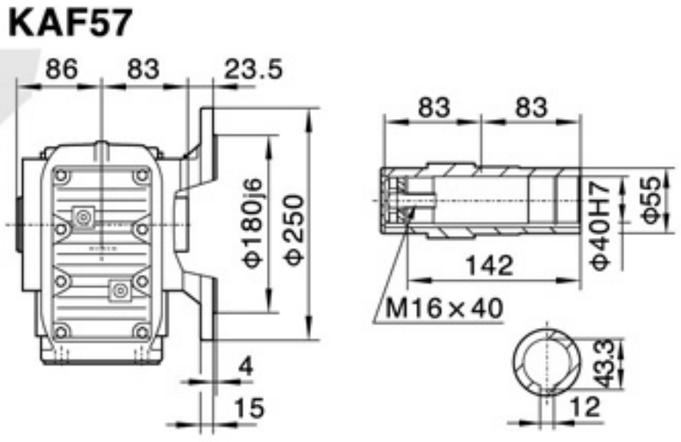




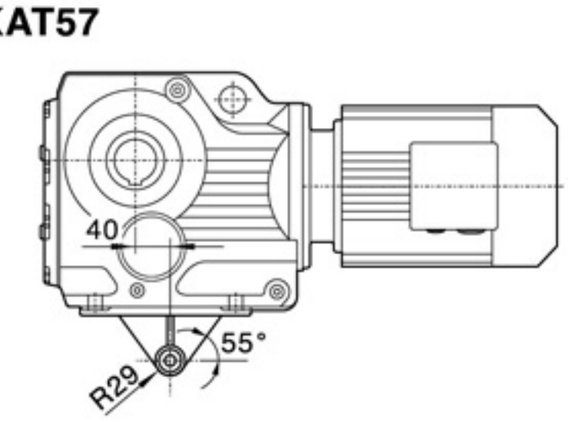
KF57

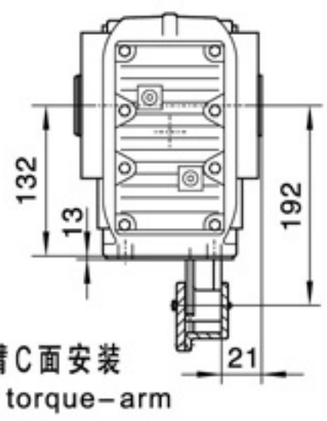


KAF57

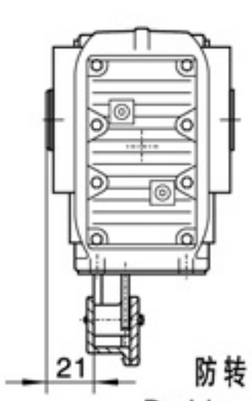


KAT57

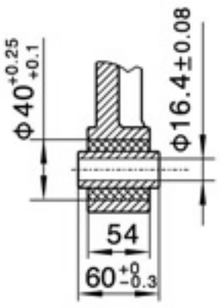




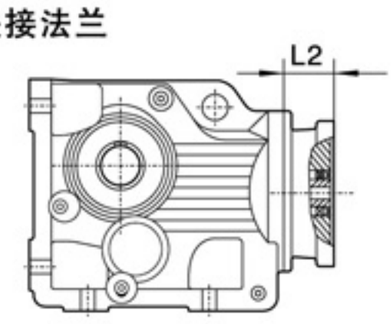
防转臂C面安装
C side of torque-arm



防转臂D面安装
D side of torque-arm

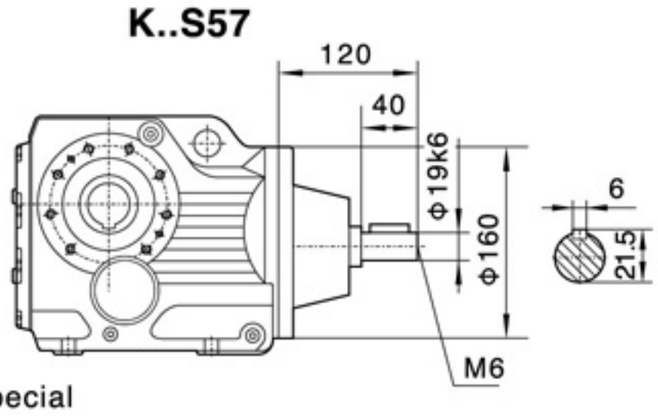


电机需方配或配特殊电机时
需加联接法兰

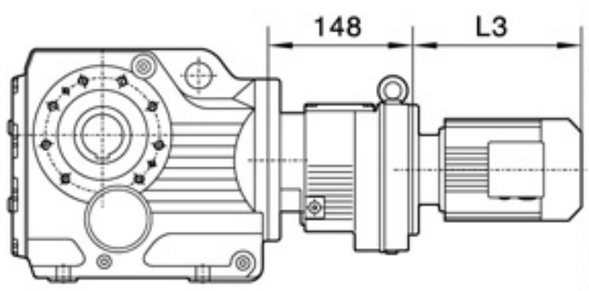


When equipping the user's motor or the special one,the flange is required to connected.

K..S57



K..57R37



注:其余尺寸见相对应结构形式

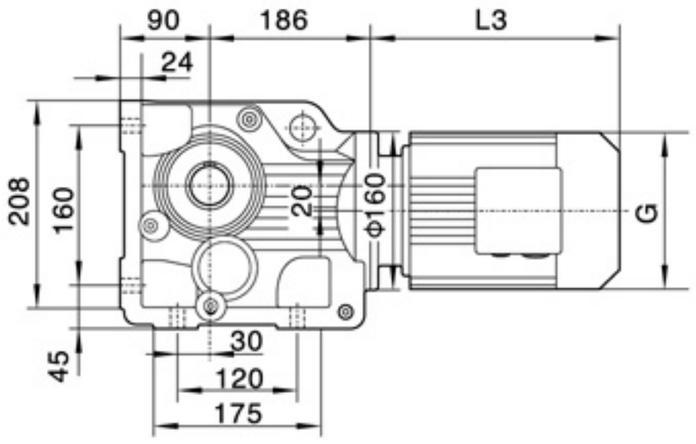
Note:For other values please refer to the o-pposited stru-cture.

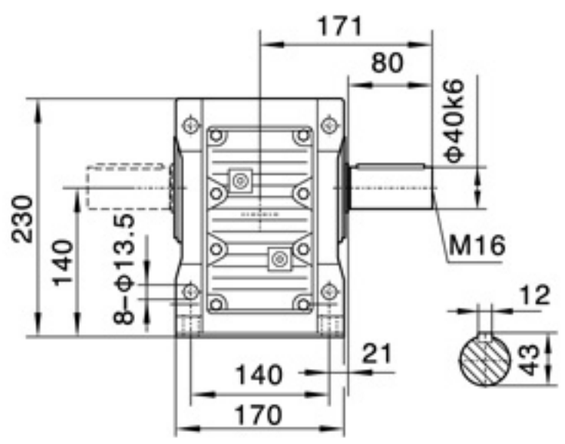
Y2电机机座号 Motor size	63	71		80		90S	90L	100		112M	132S		
功率/4P Power/(kW)	0.18	0.25	0.37	0.55	0.75	1.1	1.5	2.2	3.0	4.0	5.5		
L3	223	245		278		304	328	350		380	425		
G	130	145		175		195	195	215		240	275		
L2	70	70		91		91	91	103		103	90		

注:1.KA、KF、KAF、KAZ壳体为通用件,安装尺寸均可相互参照. 2."K.."表示K、KA、KF、KAF、KAZ、KAB.
Note:1.The housings of KA、KF、KAF、KAZ are common parts.The mounting dimensions may consult each other. 2."K.."mean K、KA、KF、KAF、KAZ、KAB.

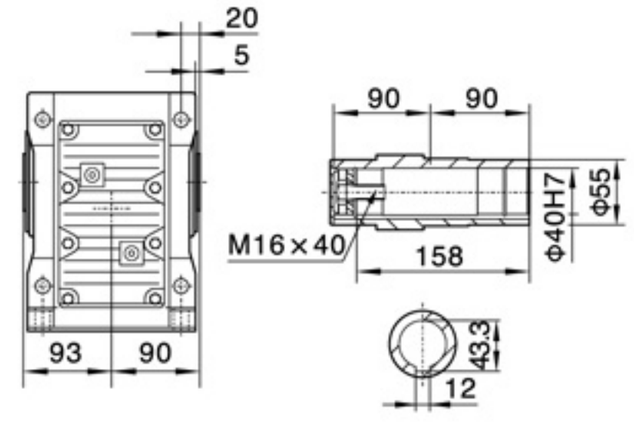
K

K67

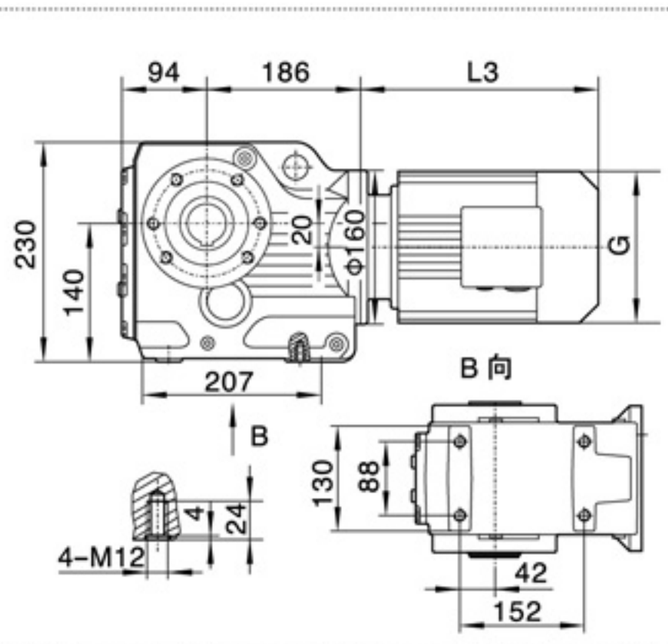


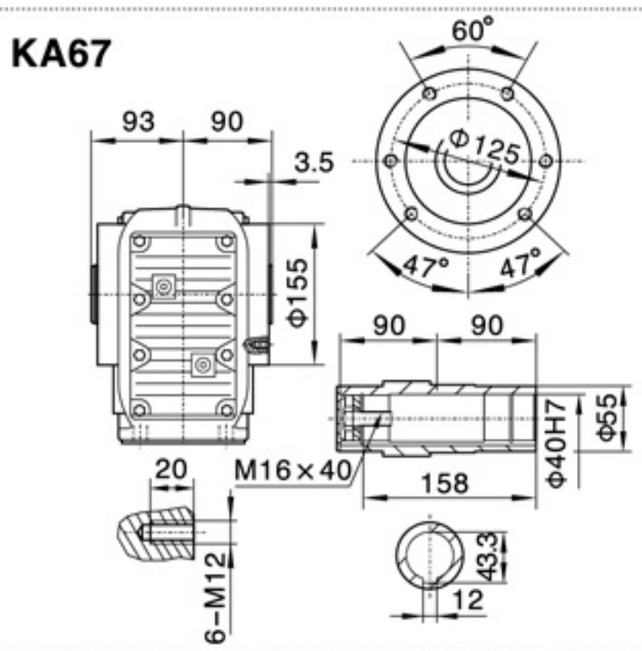


KAB67

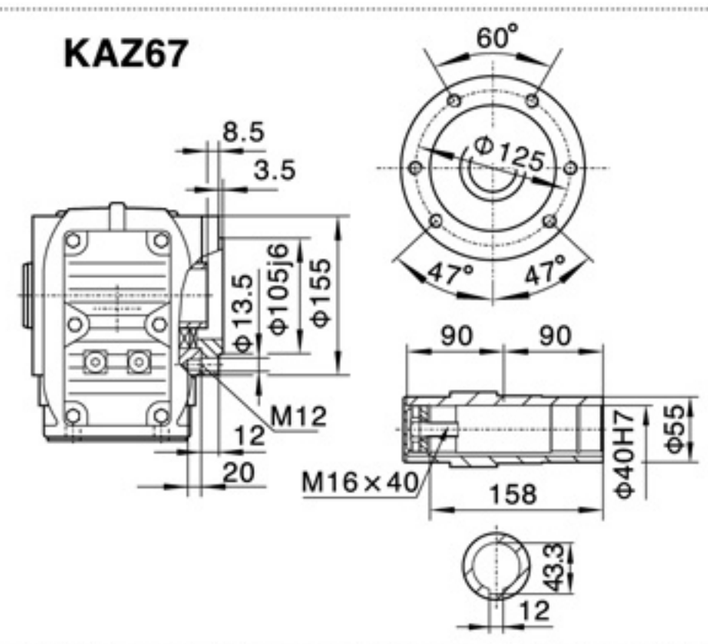


KA67

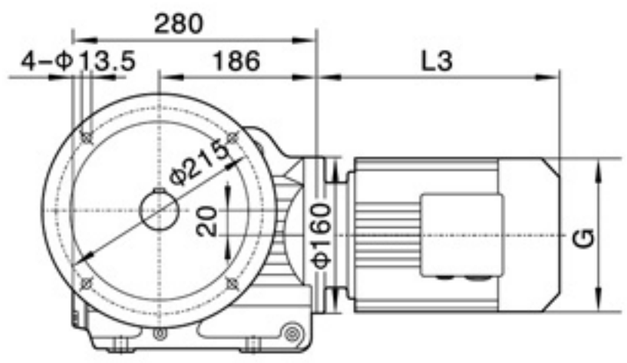


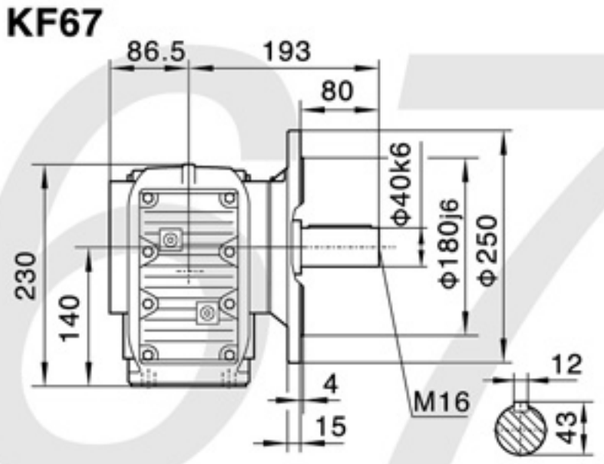


KAZ67

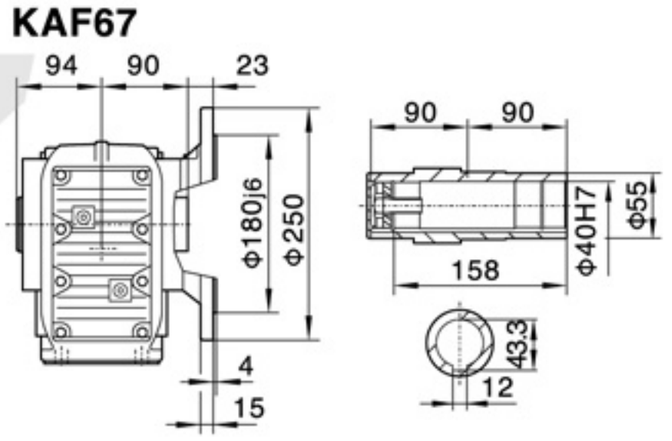


KF67

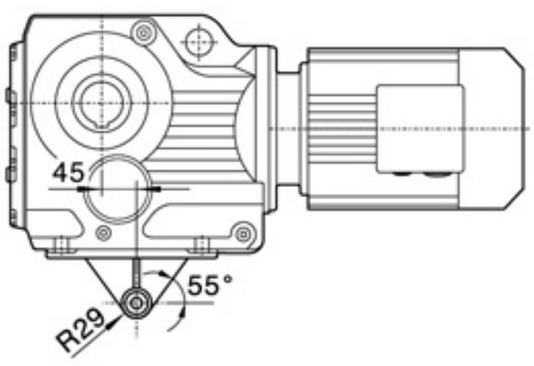


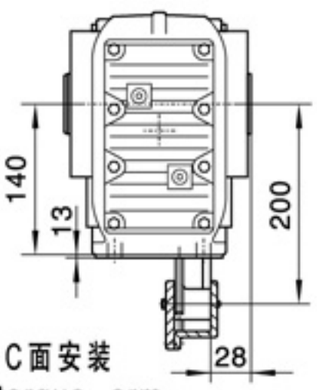


KAF67

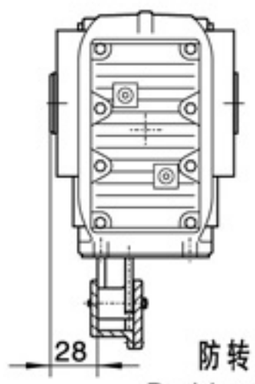


KAT67

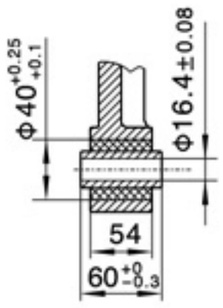




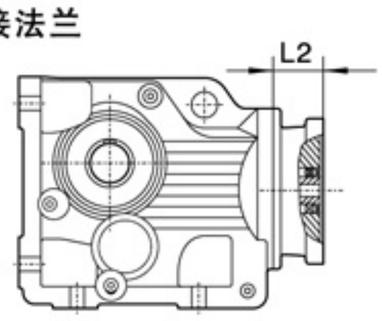
防转臂C面安装
C side of torque-arm



防转臂D面安装
D side of torque-arm

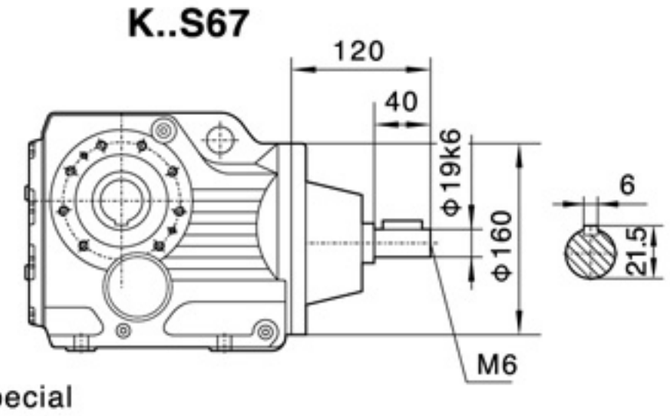


电机需方配或配特殊电机时
需加联接法兰

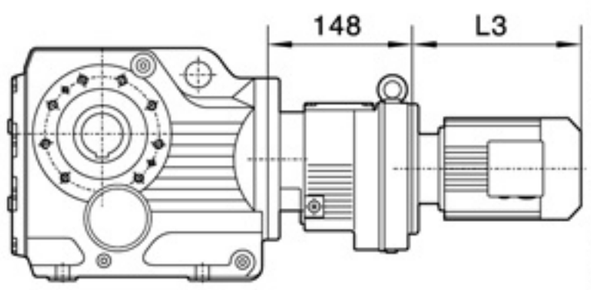


When equipping the user's motor or the special one,the flange is required to connected.

K..S67



K..67R37

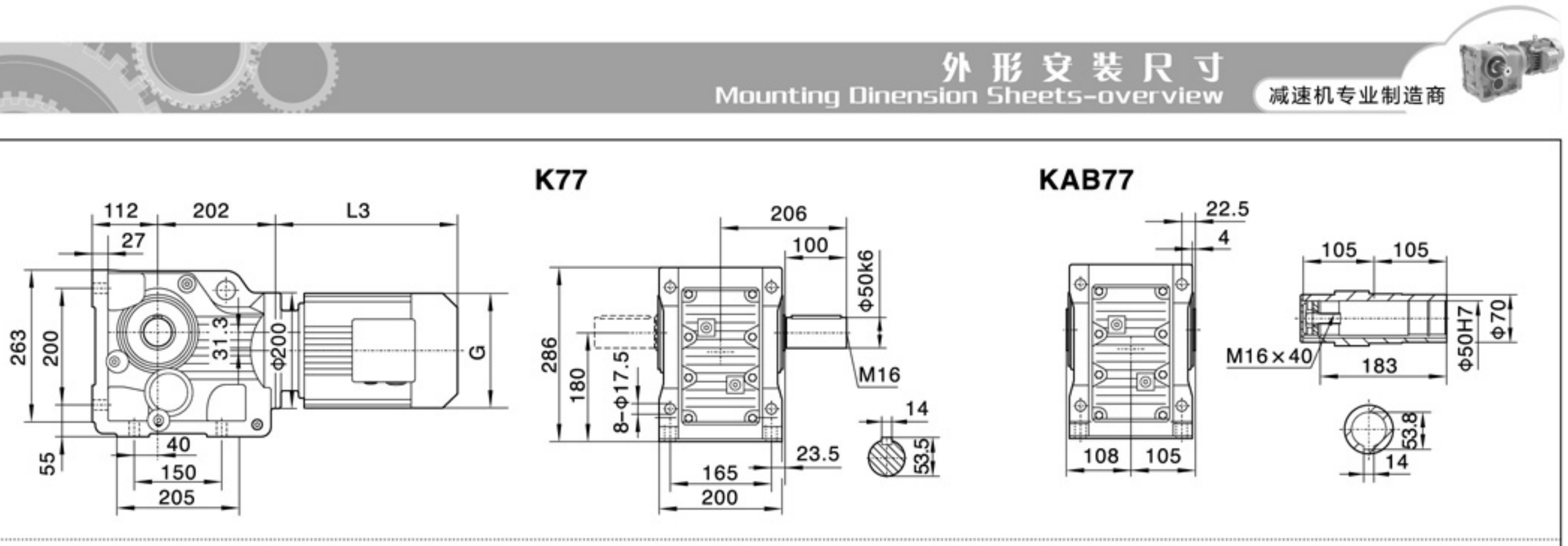


注:其余尺寸见相对应结构形式

Note:For other values please refer to the opposited structure.

Y2电机机座号 Motor size	63	71		80		90S	90L	100		112M	132S		
功率/4P Power/(kW)	0.18	0.25	0.37	0.55	0.75	1.1	1.5	2.2	3.0	4.0	5.5		
L3	223	245		278		304	328	350		380	425		
G	130	145		175		195	195	215		240	275		
L2	74	74		91		91	91	103		103	116		

注:1.KA、KF、KAF、KAZ壳体为通用件,安装尺寸均可相互参照. 2."K.."表示K、KA、KF、KAF、KAZ、KAB.
Note:1.The housings of KA、KF、KAF、KAZ are common parts.The mounting dimensions may consult each other. 2."K.."mean K、KA、KF、KAF、KAZ、KAB.

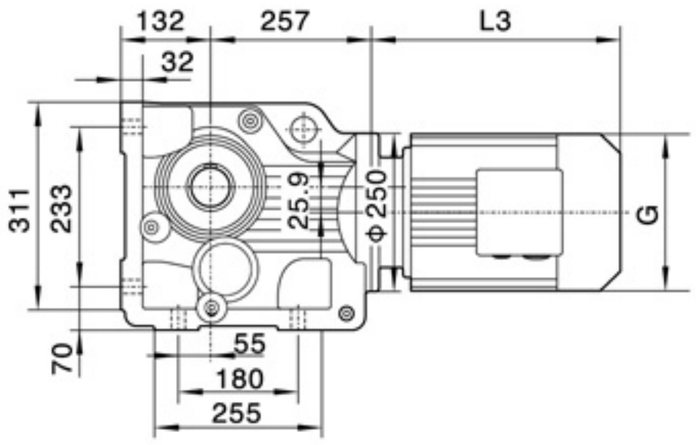


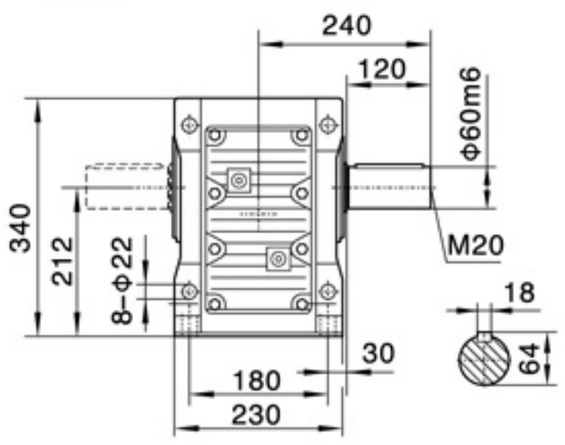
Y2电机机座号 Motor size	71	80		90S	90L	100		112M	132S	132M	160M	
功率/4P Power/(kW)	0.37	0.55	0.75	1.1	1.5	2.2	3.0	4.0	5.5	7.5	11	
L3	233	278		304	328	350		380	425	461	524	
G	145	175		195	195	215		240	275	275	330	
L2	65	81		81	81	93		93	108	108	131	

注:1.KA、KF、KAF、KAZ壳体为通用件,安装尺寸均可相互参照. 2."K.."表示K、KA、KF、KAF、KAZ、KAB.
Note:1.The housings of KA、KF、KAF、KAZ are common parts.The mounting dimensions may consult each other. 2."K.."mean K、KA、KF、KAF、KAZ、KAB.

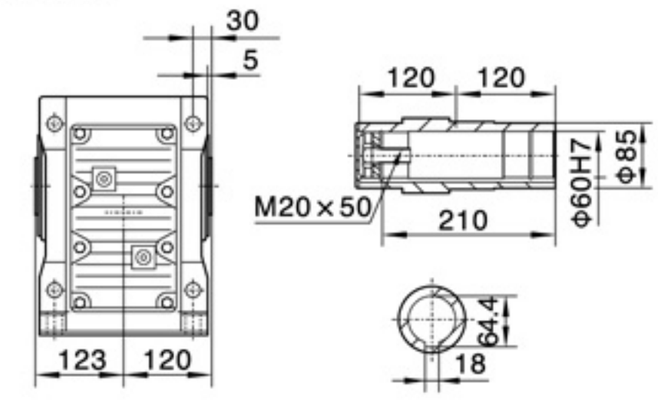
K

K87

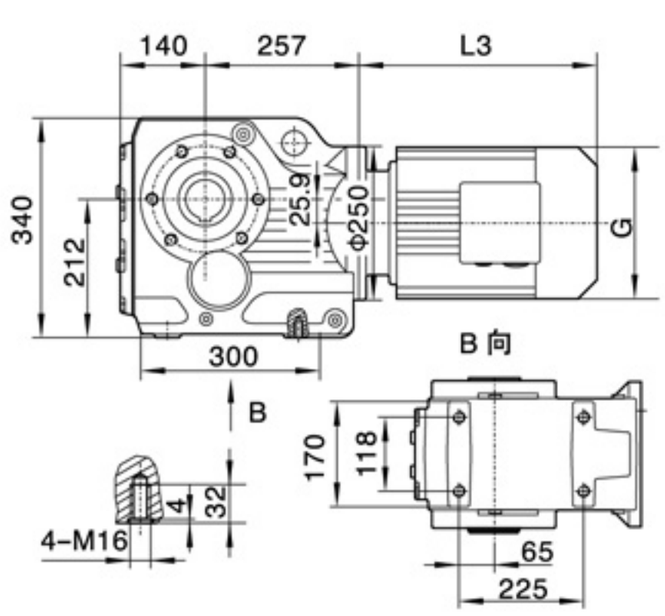


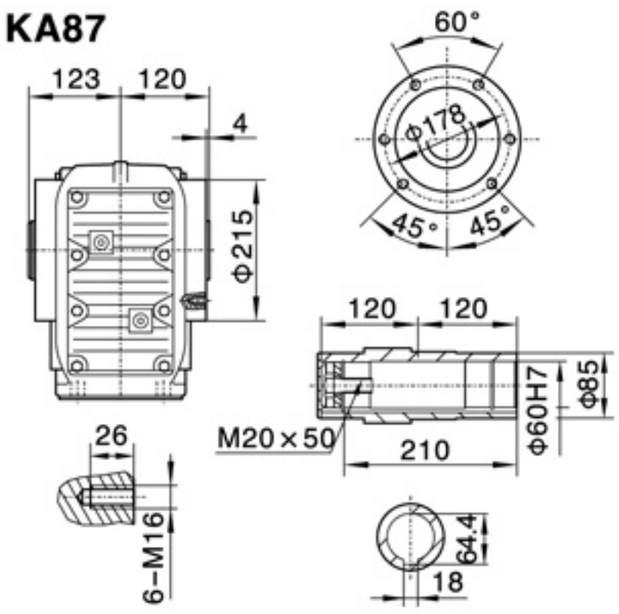


KAB87

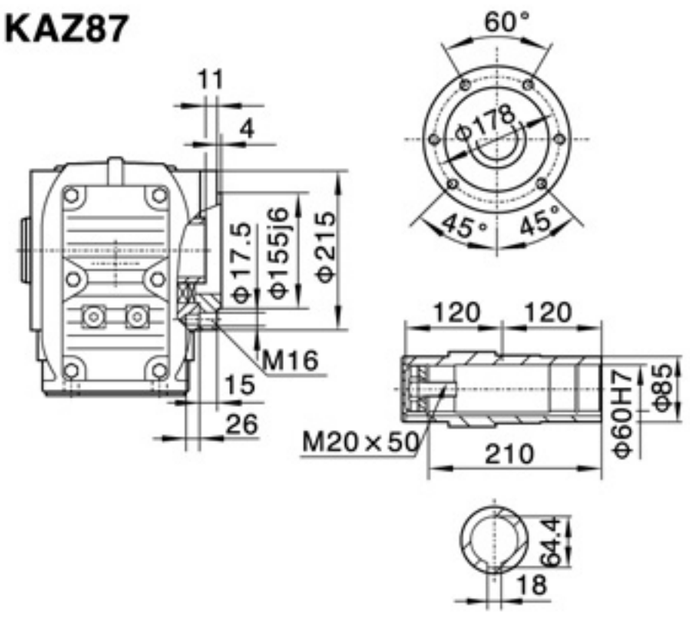


KA87

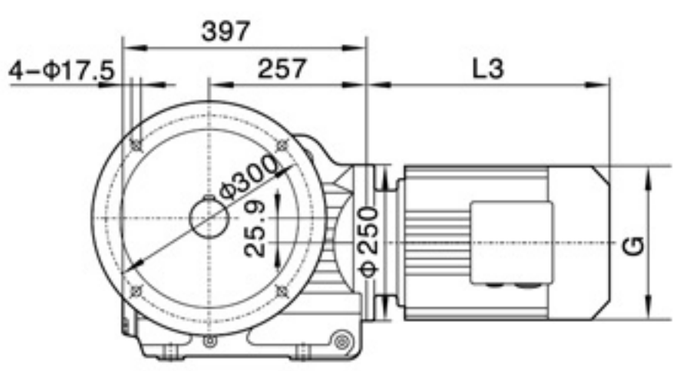


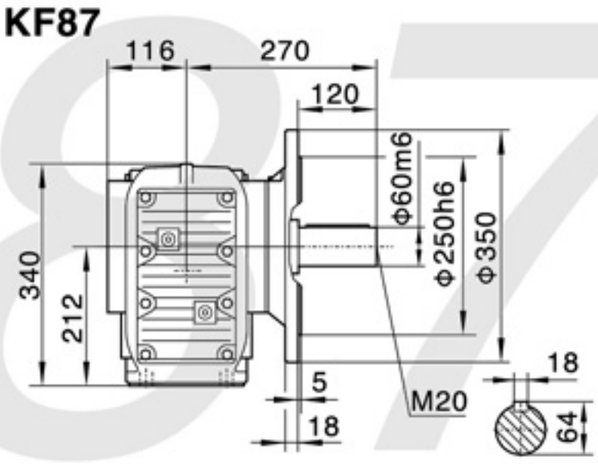


KAZ87

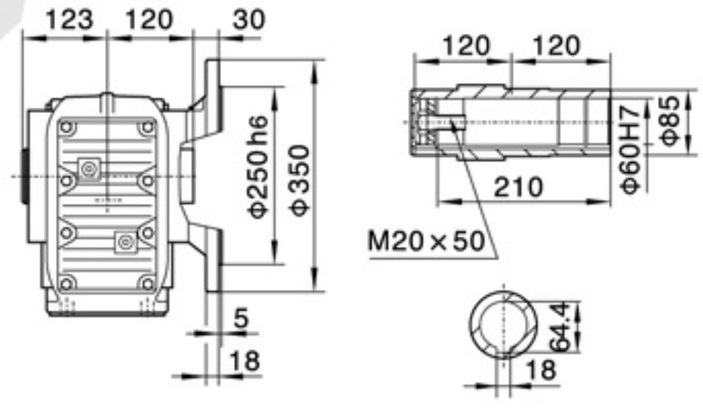


KF87

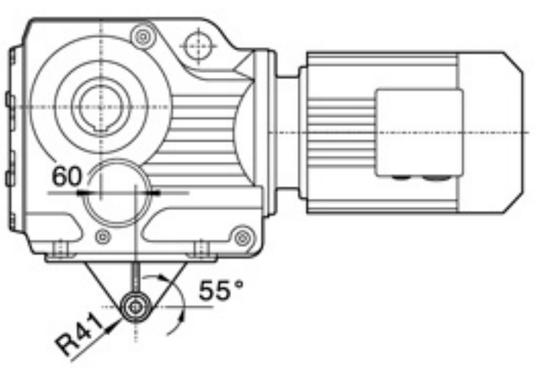


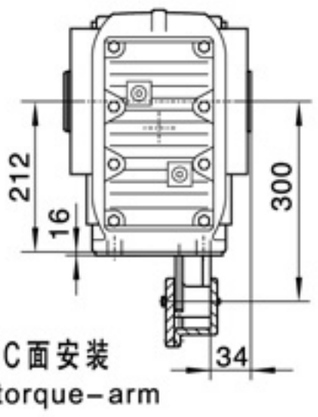


KAF87

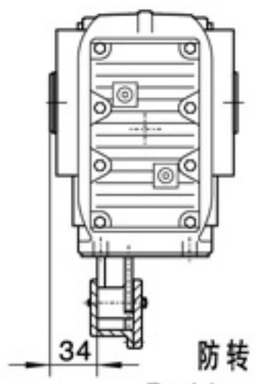


KAT87

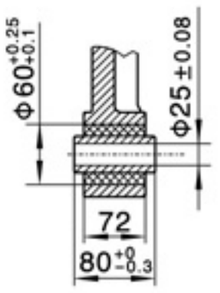




防转臂C面安装
C side of torque-arm

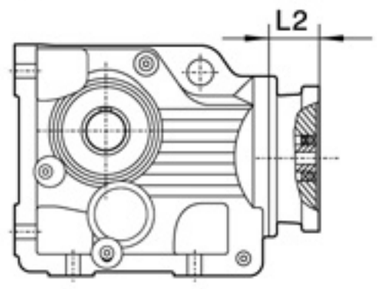


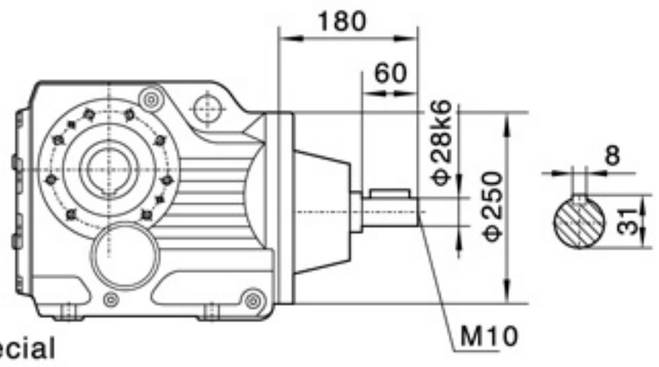
防转臂D面安装
D side of torque-arm



电机需方配或配特殊电机时
需加联接法兰

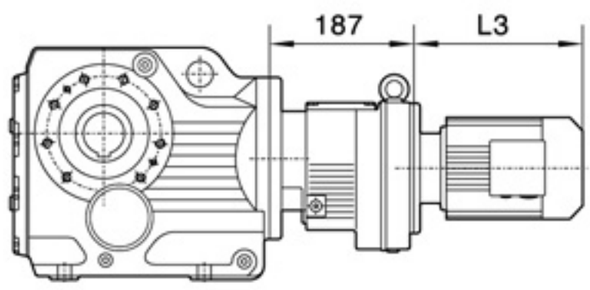
K..S87





When equipping the user's motor or the special one,the flange is required to connected.

K..87R57

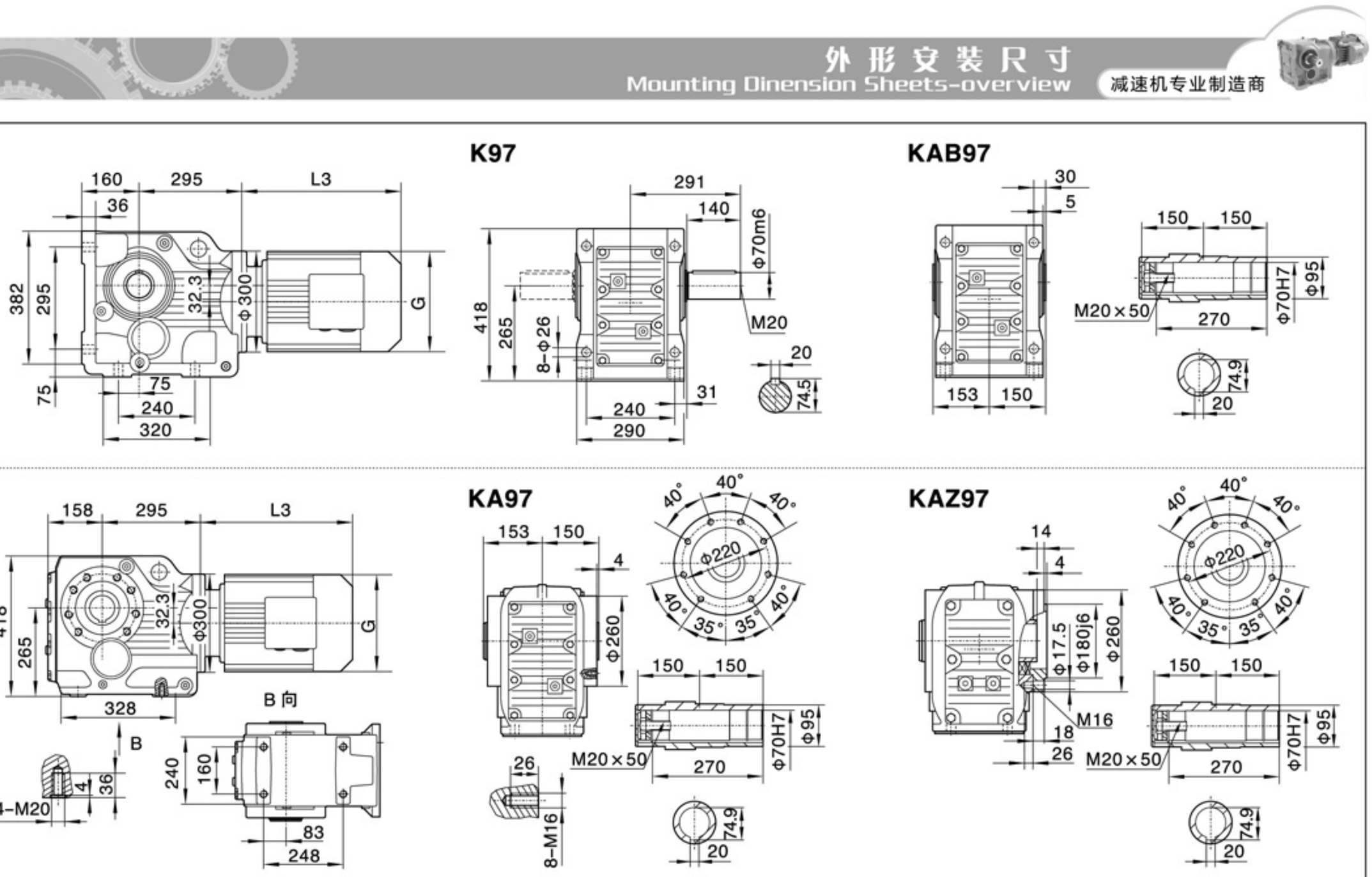


注:其余尺寸见相对应结构形式

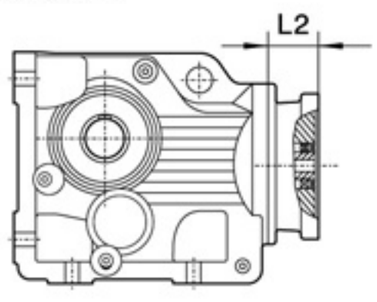
Note:For other values please refer to the opposited structure.

Y2电机机座号 Motor size	80	90S	90L	100		112M	132S	132M	160M	160L	180M	180L
功率/4P Power/(kW)	0.75	1.1	1.5	2.2	3.0	4.0	5.5	7.5	11	15	18.5	22
L3	246	280	304	350		380	425	461	524	547	583	616
G	175	195	195	215		240	275	275	330	330	380	380
L2	76	76	76	88		88	101	101	126	126	126	126

注:1.KA、KF、KAF、KAZ壳体为通用件,安装尺寸均可相互参照. 2."K.."表示K、KA、KF、KAF、KAZ、KAB.
Note:1.The housings of KA、KF、KAF、KAZ are common parts.The mounting dimensions may consult each other. 2."K.."mean K、KA、KF、KAF、KAZ、KAB.

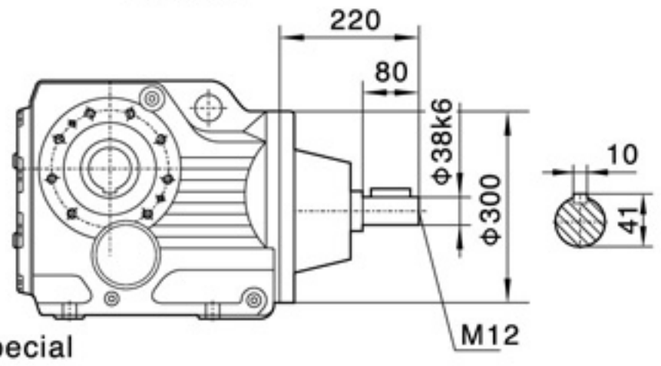


电机需方配或配特殊电机时
需加联接法兰

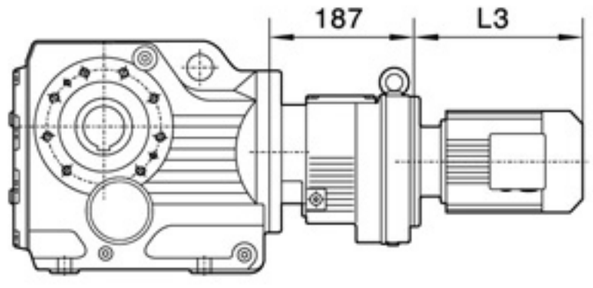


When equipping the user's motor or the special one,the flange is required to connected.

K..S97



K..97R57



注:其余尺寸见相对应结构形式

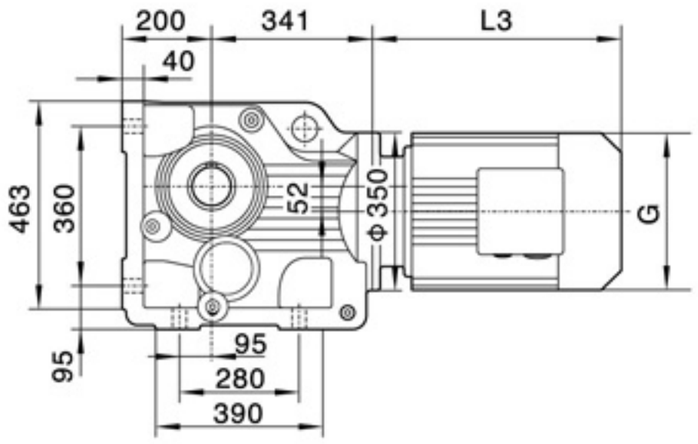
Note:For other values please refer to the o-pposited stru-cture.

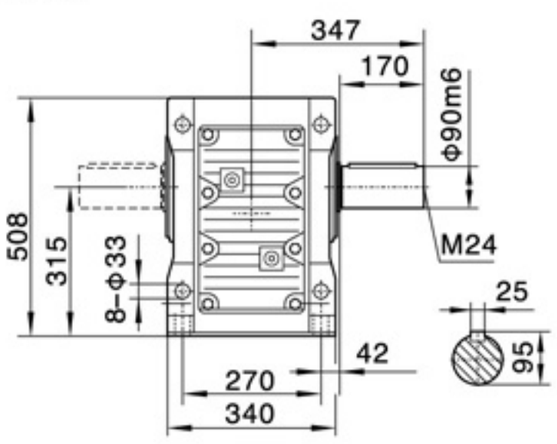
Y2电机机座号 Motor size	90S	90L	100		112M	132S	132M	160M	160L	180M	180L	200
功率/4P Power/(kW)	1.1	1.5	2.2	3.0	4.0	5.5	7.5	11	15	18.5	22	30
L3	280	304	315		334	425	461	524	547	555	588	652
G	195	195	215		240	275	275	330	330	380	380	420
L2	86	86	75		75	95	95	118	118	118	118	120

注:1.KA、KF、KAF、KAZ壳体为通用件,安装尺寸均可相互参照. 2."K.."表示K、KA、KF、KAF、KAZ、KAB.
Note:1.The housings of KA、KF、KAF、KAZ are common parts.The mounting dimensions may consult each other. 2."K.."mean K、KA、KF、KAF、KAZ、KAB.

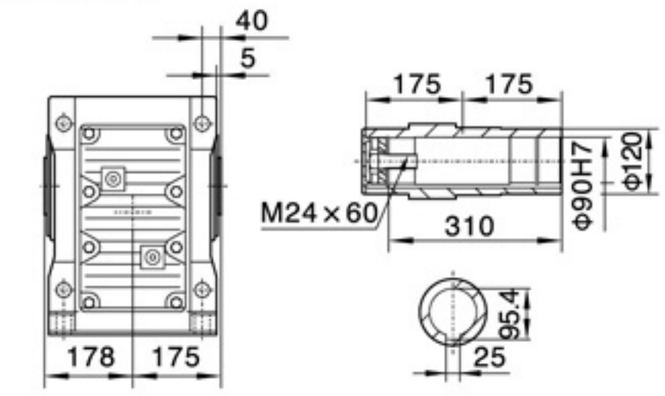
K

K107

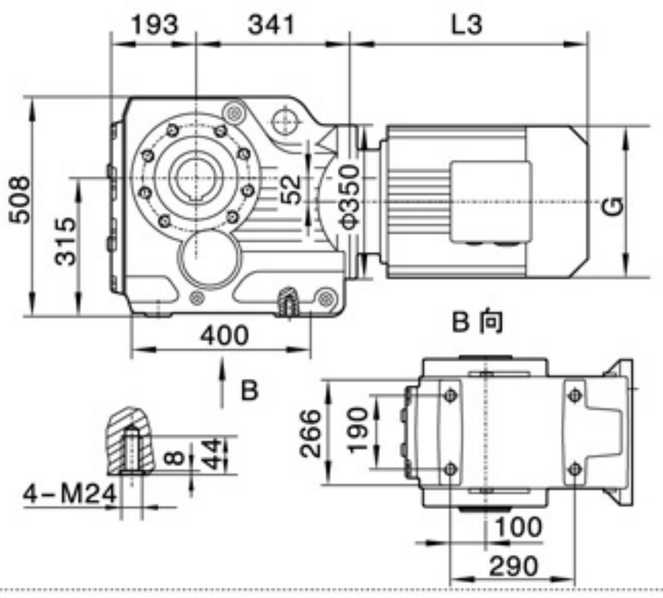


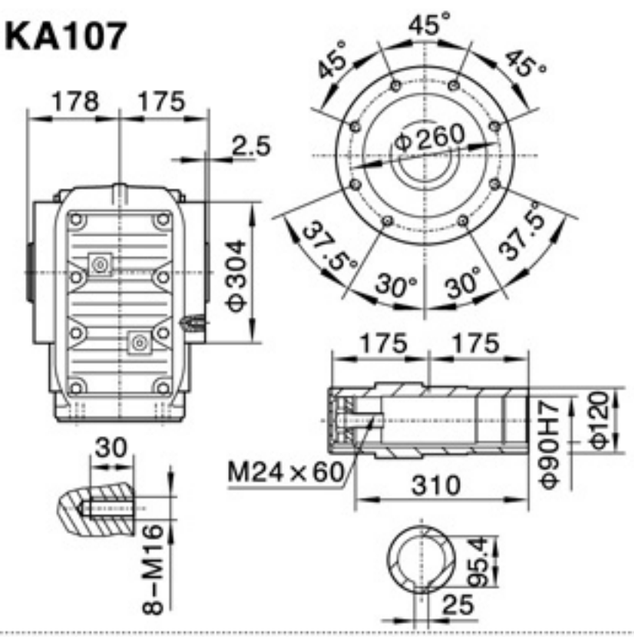


KAB107

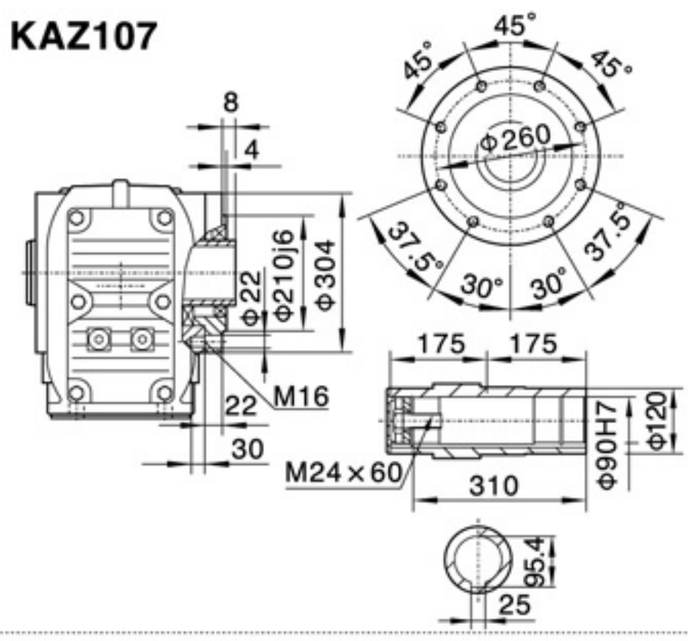


KA107

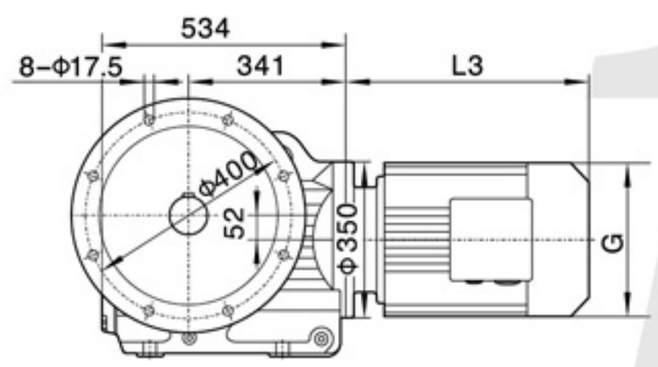


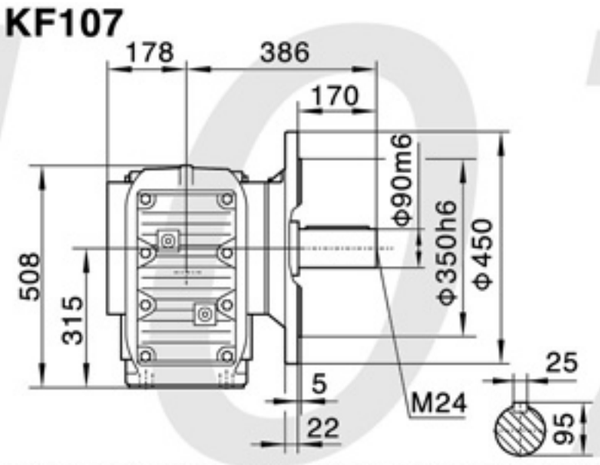


KAZ107

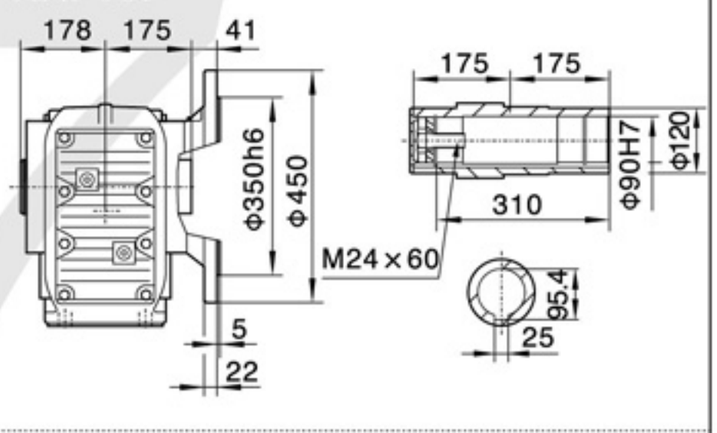


KF107

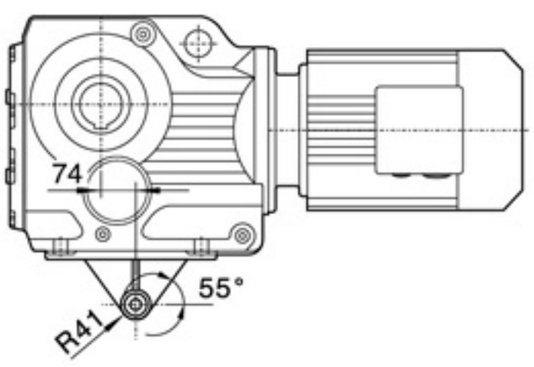


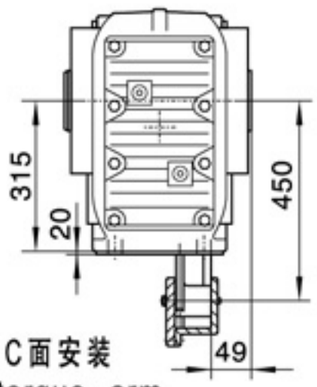


KAF107

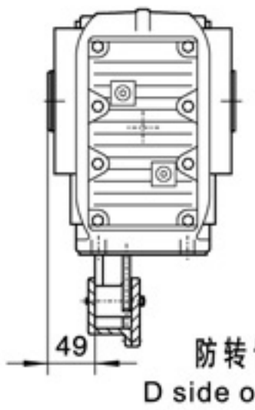


KAT107

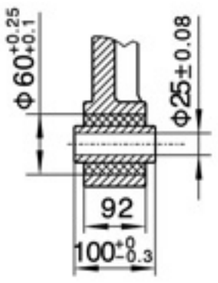




防转臂C面安装
C side of torque-arm

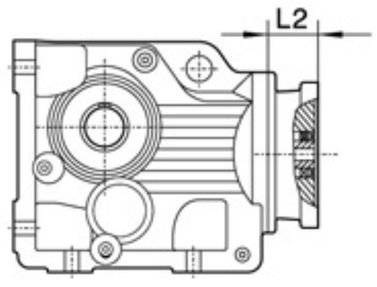


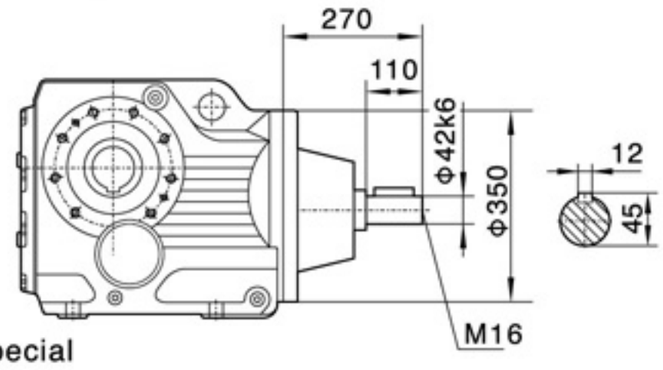
防转臂D面安装
D side of torque-arm



电机需方配或配特殊电机时
需加联接法兰

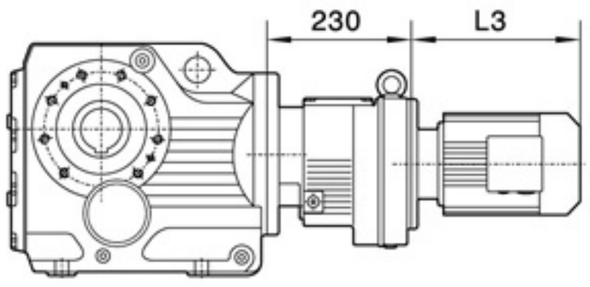
K..S107





When equipping the user's motor or the special one,the flange is required to connected.

K..107R77



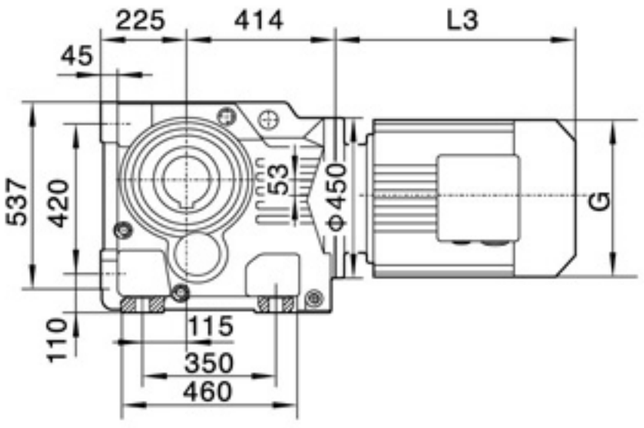
注:其余尺寸见相对应结构形式

Note:For other values please refer to the opposited structure.

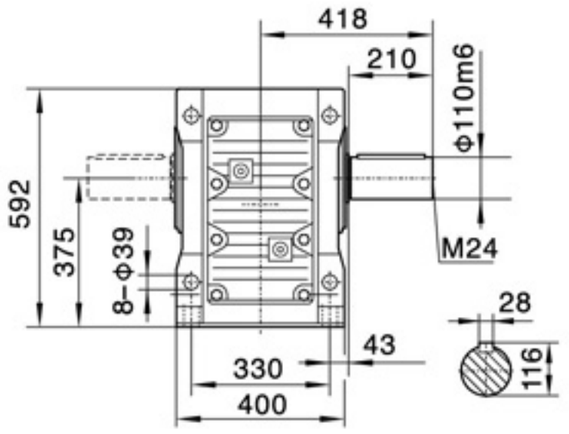
Y2电机机座号 Motor size	100	112M	132S	132M	160M	160L	180M	180L	200	225S	225M
功率/4P Power/(kW)	3.0	4.0	5.5	7.5	11	15	18.5	22	30	37	45
L3	318	334	386	422	504	519	555	588	654	680	702
G	215	240	275	275	330	330	380	380	420	470	470
L2	90	90	90	90	118	118	118	118	120	150	150

注:1.KA、KF、KAF、KAZ壳体为通用件,安装尺寸均可相互参照. 2."K.."表示K、KA、KF、KAF、KAZ、KAB.
Note:1.The housings of KA、KF、KAF、KAZ are common parts.The mounting dimensions may consult each other. 2."K.."mean K、KA、KF、KAF、KAZ、KAB.

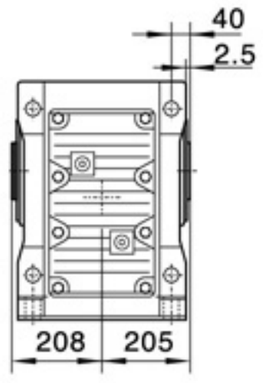




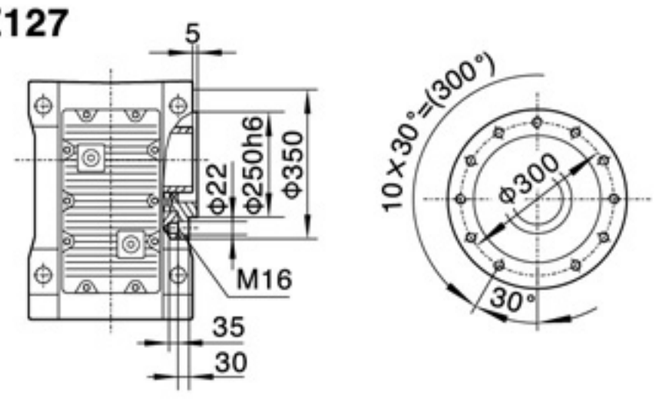
K127



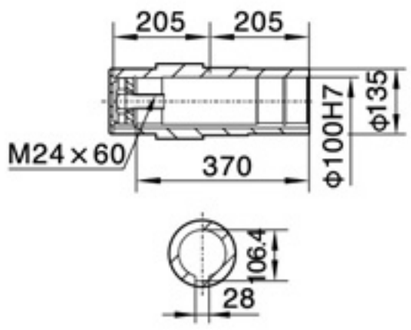
KA(KAB)127

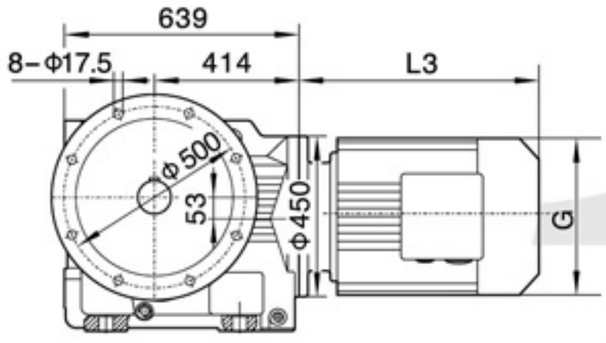


KAZ127

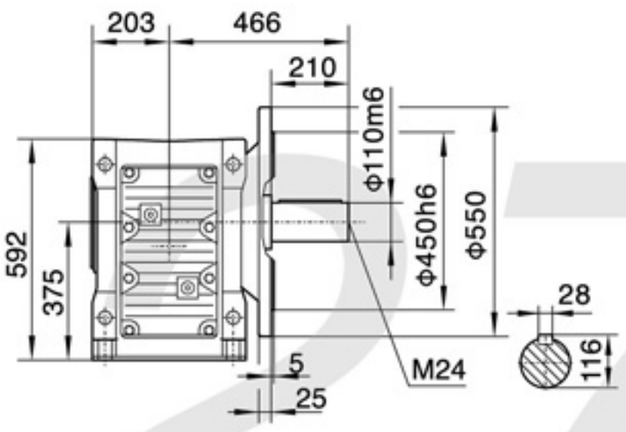


KA127/KAF127/KAZ127
空心轴/Hollow shaft

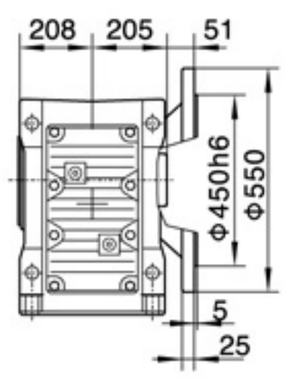




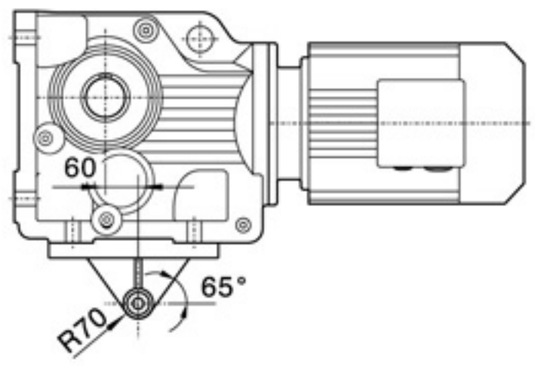
KF127

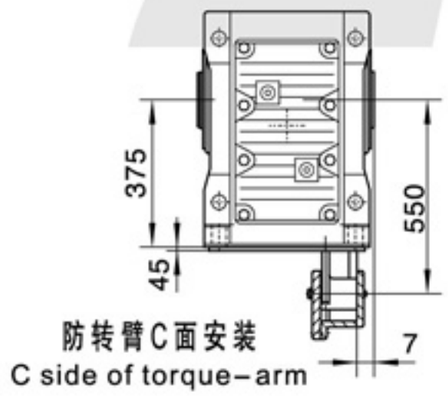


KAF127

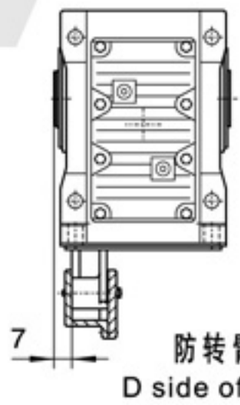


KAT127

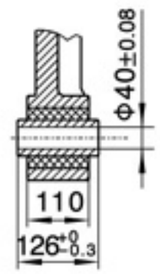




防转臂C面安装
C side of torque-arm

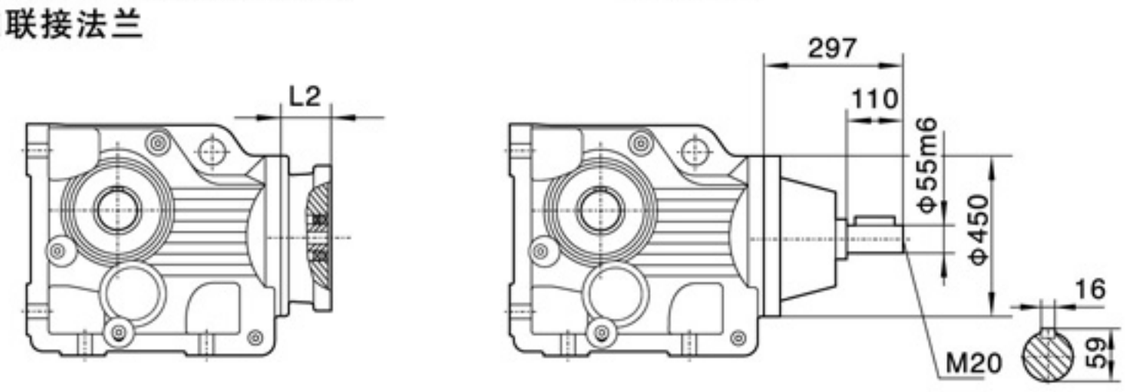


防转臂D面安装
D side of torque-arm

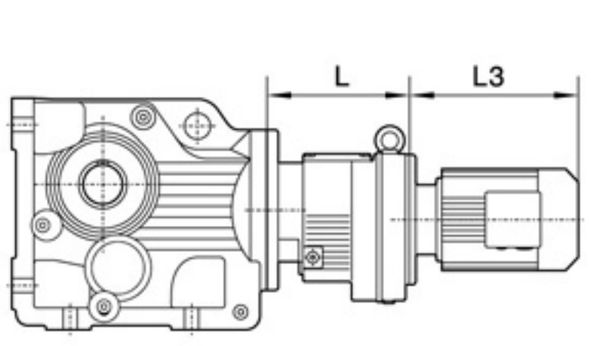


电机需方配或配特殊电机时
需加联接法兰

K..S127



K..127R77(R87)



注:其余尺寸见
相对应结构
形式

Note:For other values please refer to the opposited structure.

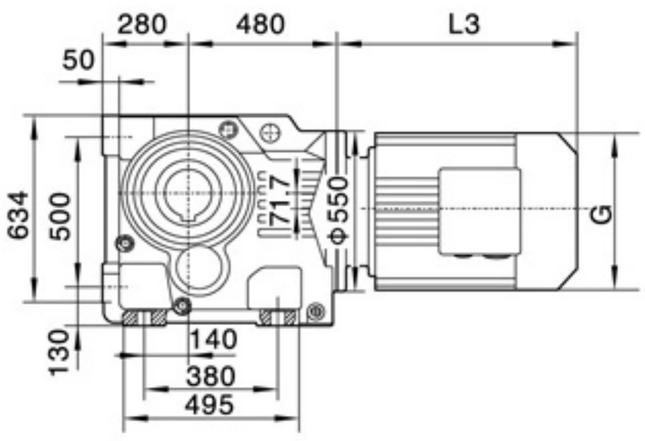
When equipping the user's motor or the special one,the flange is required to connected.

	K..127R77	K..127R87
L	232	275

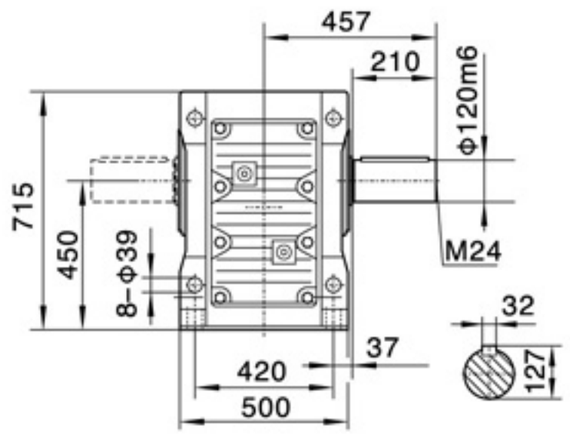
Y2电机机座号 Motor size	132M	160M	160L	180M	180L	200	225S	225M	250	280S	280M
功率/4P Power/(kW)	7.5	11	15	18.5	22	30	37	45	55	75	90
L3	424	567	602	583	616	654	674	696	775	847	847
G	275	330	330	380	380	420	470	470	510	580	580
L2	118	145	145	145	145	150	150	150	165	165	165

注:1.以上壳体为通用件，安装尺寸均可相互参照。 2."K.."表示K、KA、KF、KAF、KAZ、KAB.
Note:1.The housings of KA、KF、KAF、KAZ are common parts.The mounting dimensions may consult each other. 2."K.."mean K、KA、KF、KAF、KAZ、KAB.

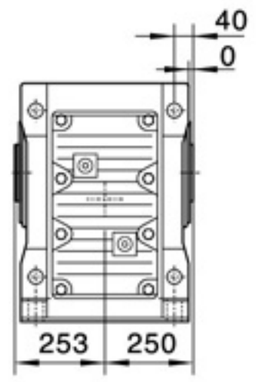
K



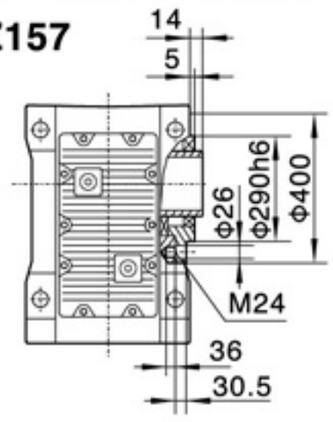
K157



KA(KAB)157

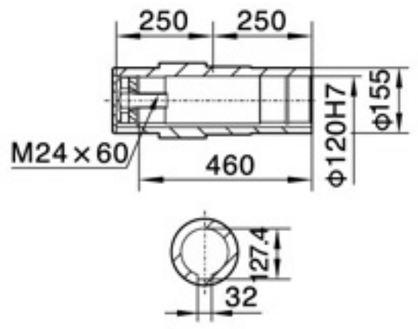


KAZ157

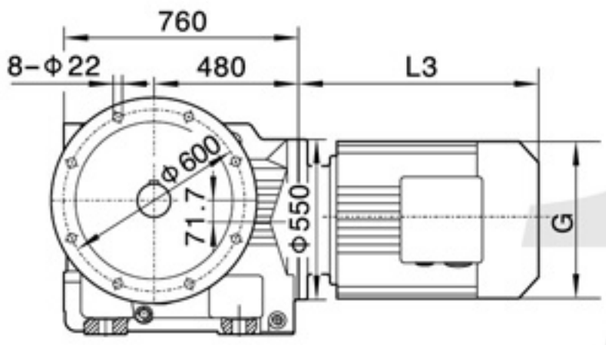


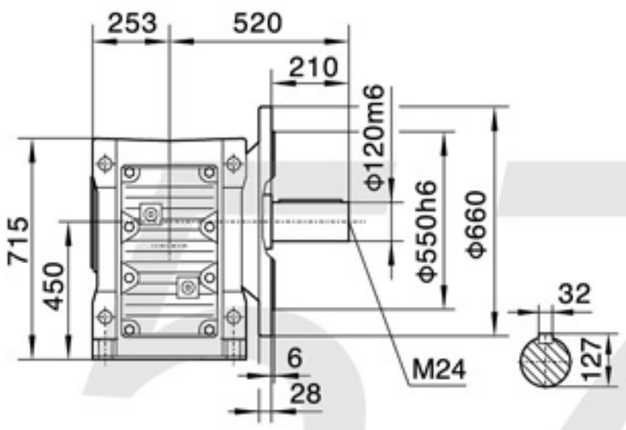


KA157/KAF157/KAZ157
空心轴/Hollow shaft

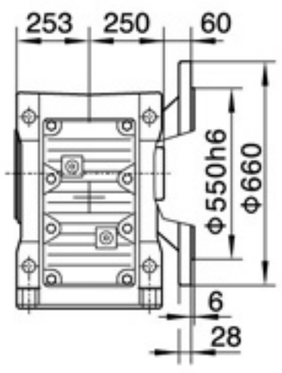


KF157

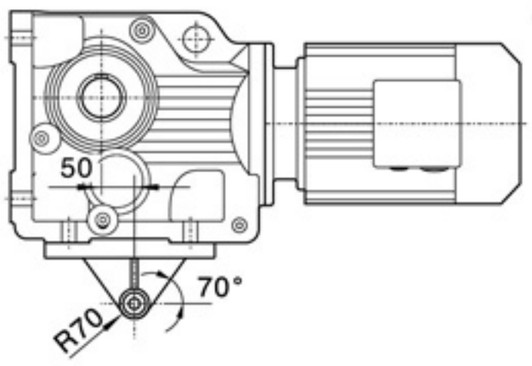


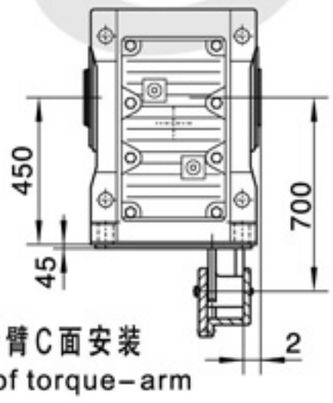


KAF157

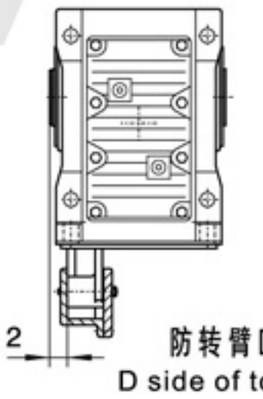


KAT157

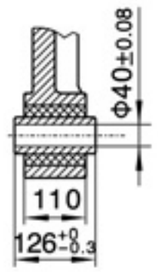




防转臂C面安装
C side of torque-arm



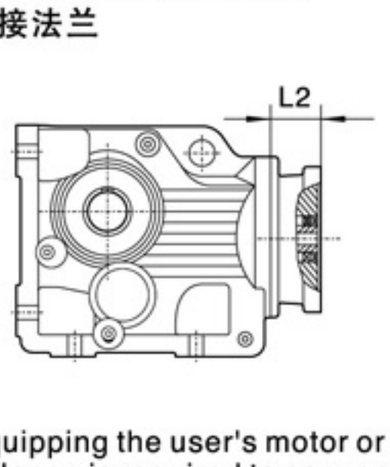
防转臂D面安装
D side of torque-arm

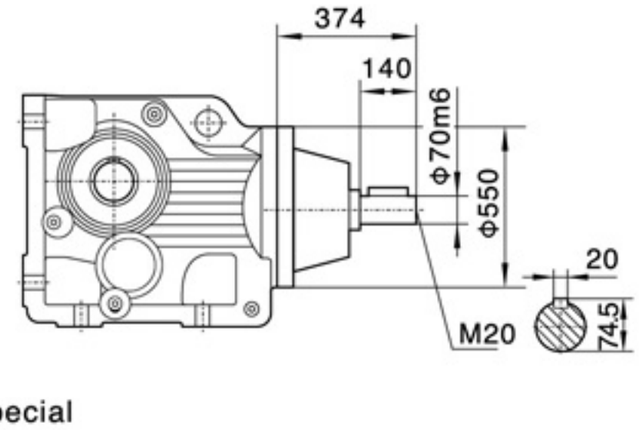


电机需方配或配特殊电机时
需加联接法兰

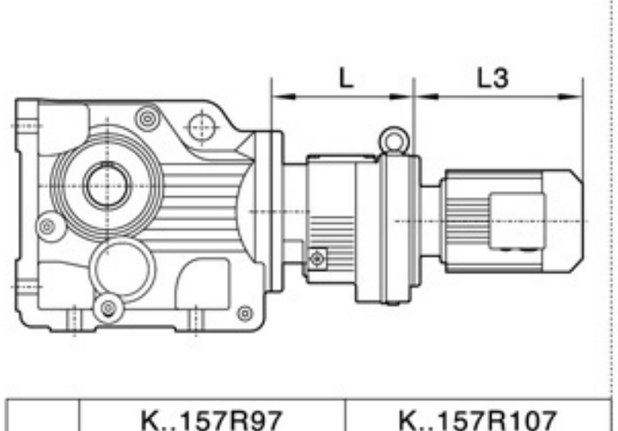
When equipping the user's motor or the special one,the flange is required to connected.

K..S157





K..157R97(R107)



注:其余尺寸见相对应结构形式

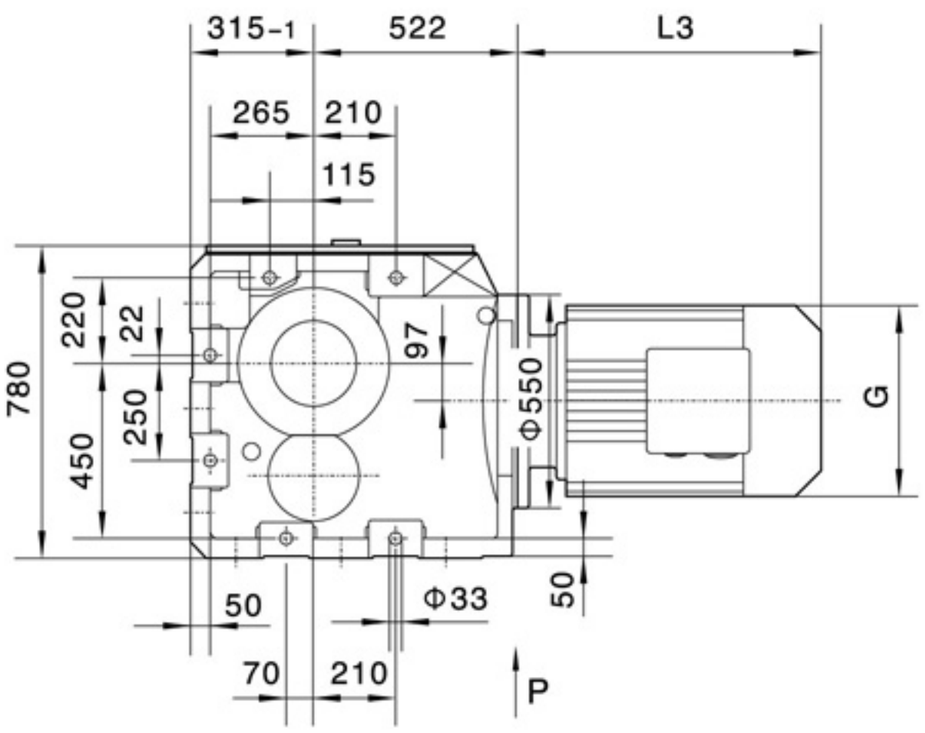
Note:For other values please refer to the opposited structure.

	K..157R97	K..157R107
L	320	370

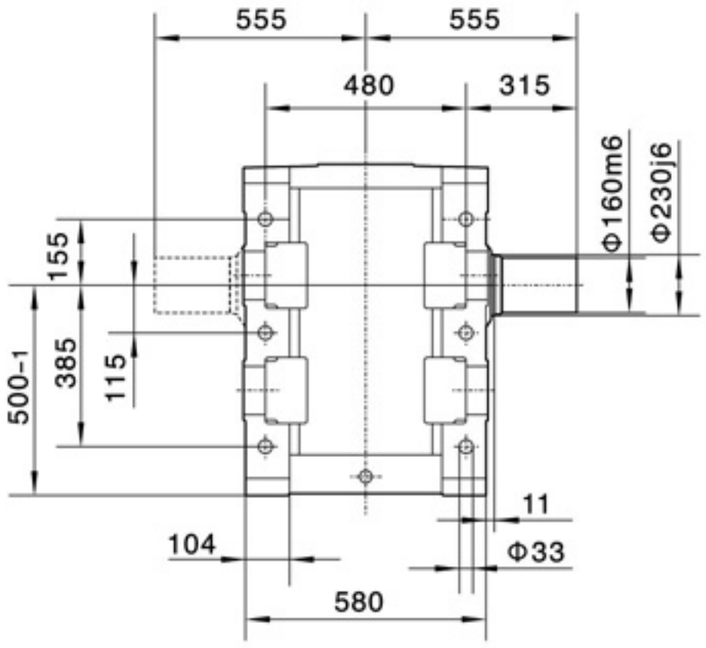
Y2电机机座号 Motor size	160M	160L	180M	180L	200	225S	225M	250	280S	280M	315S	315M	315L
功率/4P Power/(kW)	11	15	18.5	22	30	37	45	55	75	90	110	132	160
L3	567	602	635	666	642	669	691	770	828	879	1100	1180	1270
G	330	330	380	380	420	470	470	510	580	580	645	645	645
L2	145	145	145	145	150	150	150	165	165	165	230	230	230

注:1.以上壳体为通用件，安装尺寸均可相互参照。 2."K.."表示K、KA、KF、KAF、KAZ、KAB.

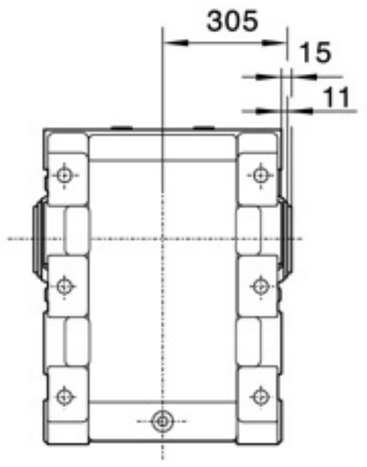
Note:1.The housings of KA、KF、KAF、KAZ are common parts.The mounting dimensions may consult each other. 2."K.."mean K、KA、KF、KAF、KAZ、KAB.



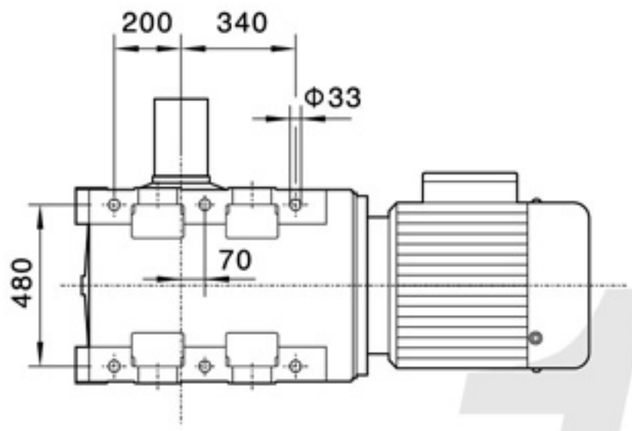
K167

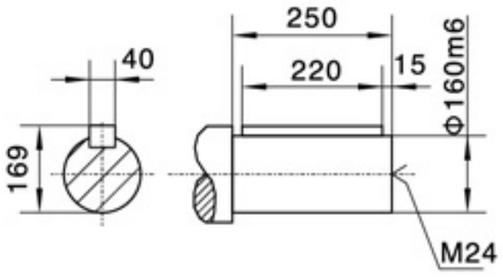


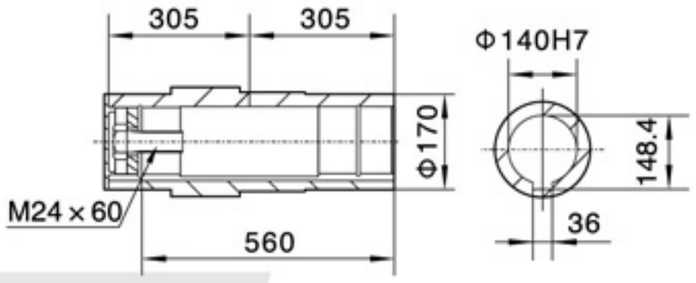
KA167



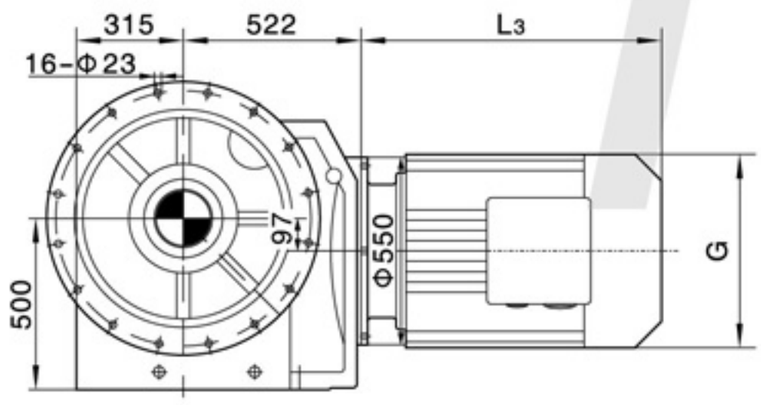
P向

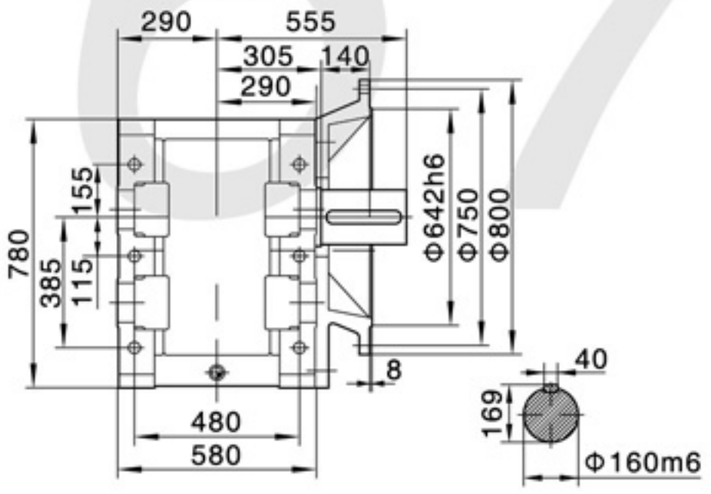




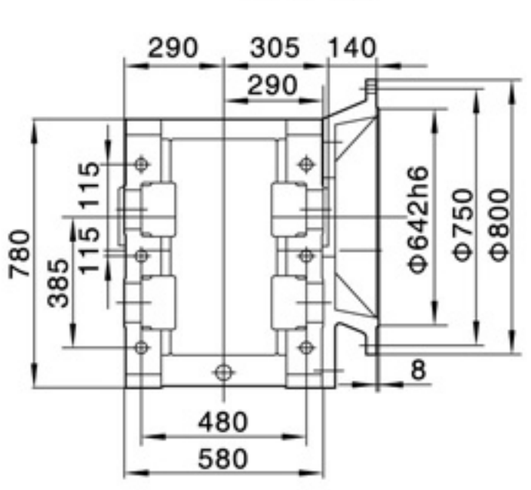


KF167

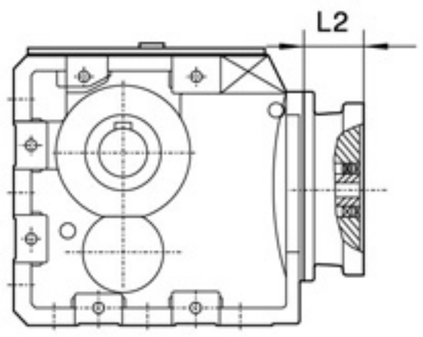




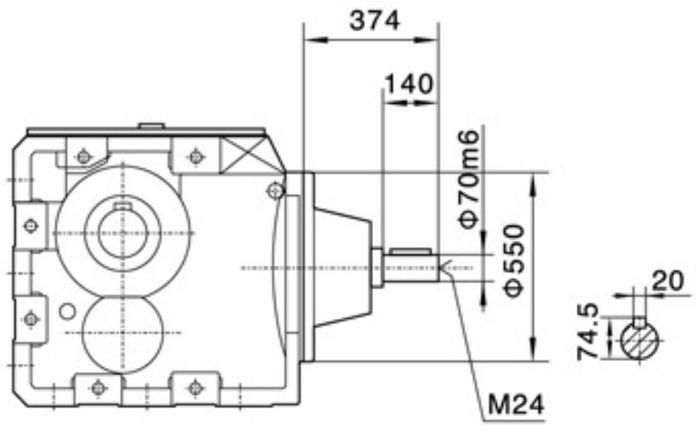
KAF167



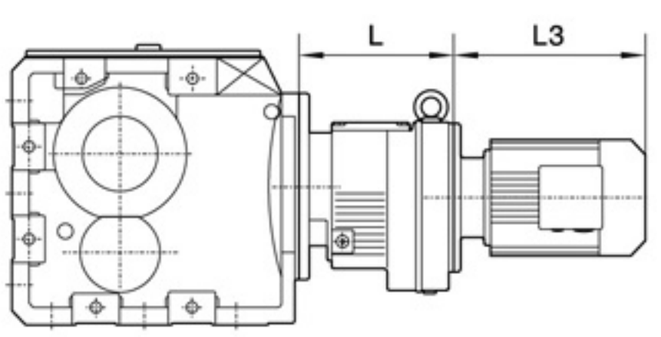
电机需方配或配特殊电机时
需加联接法兰



K..S167



K..167R97(R107)



When equipping the user's motor or the special one,the flange is required to connected.

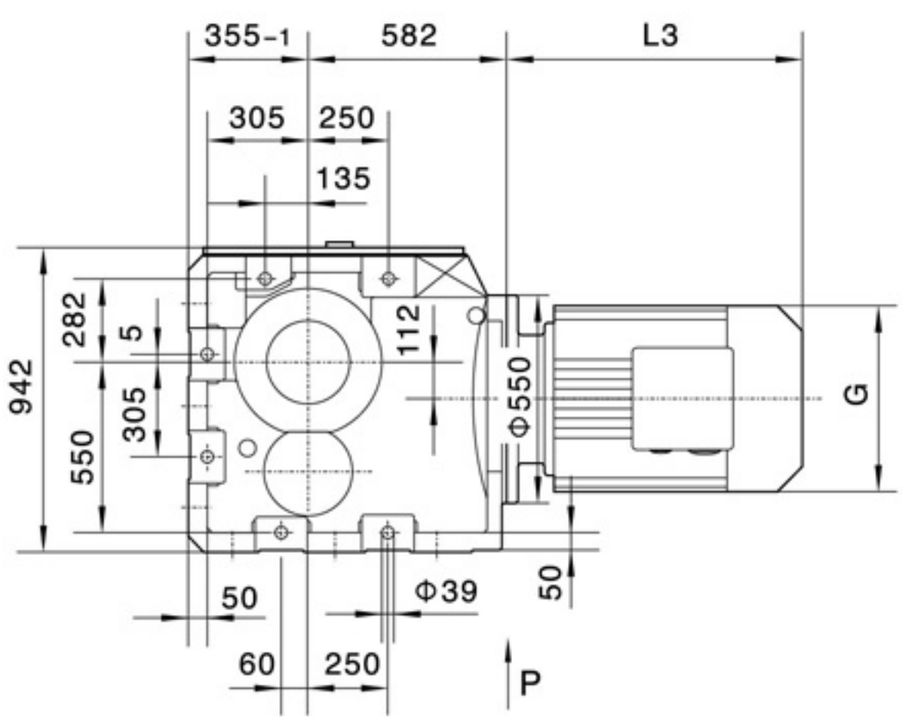
注:其余尺寸见相对应结构形式
Note:For other values please refer to the opposited structure.

	K..167R97	K..167R107
L	320	370

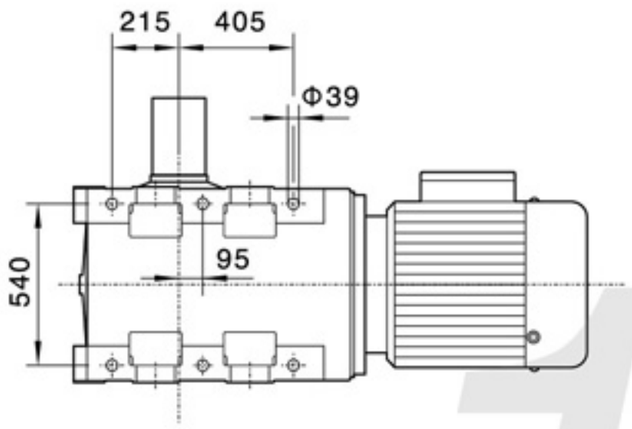
Y2电机机座号 Motor size	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M	315S	315M	315L	
功率/4P Power/(kW)	11	15	18.5	22	30	37	45	55	75	90	110	132	160	200
L3	492	537	593	633	646	673	698	779	847	847	1100	1180	1270	
G	330	330	380	380	420	470	470	510	580	580	645	645	645	
L2	145	145	145	145	150	150	150	165	165	165	230	230	230	

注:1.以上壳体为通用件，安装尺寸均可相互参照。 2."K.."表示K、KA、KF、KAF、KAZ、KAB.
Note:1.The housings of KA、KF、KAF、KAZ are common parts.The mounting dimensions may consult each other. 2."K.."mean K、KA、KF、KAF、KAZ、KAB.

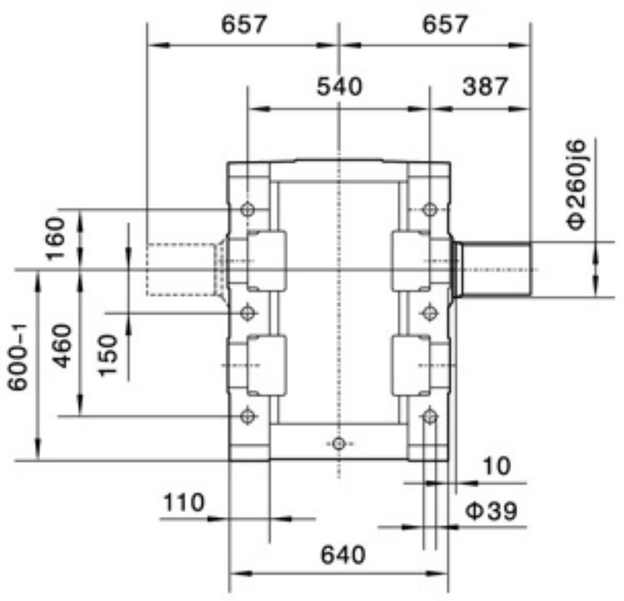
K



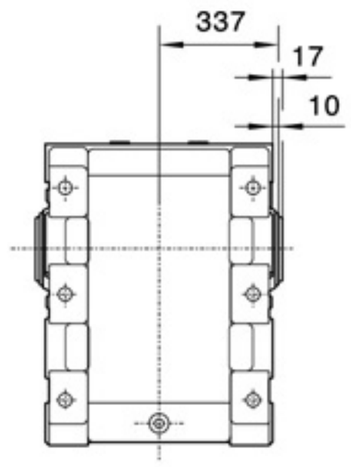
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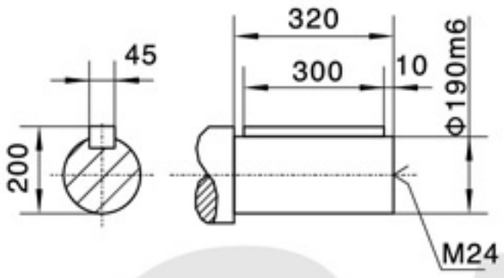


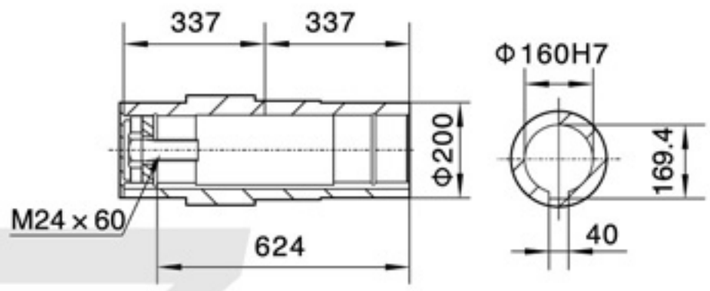
K187



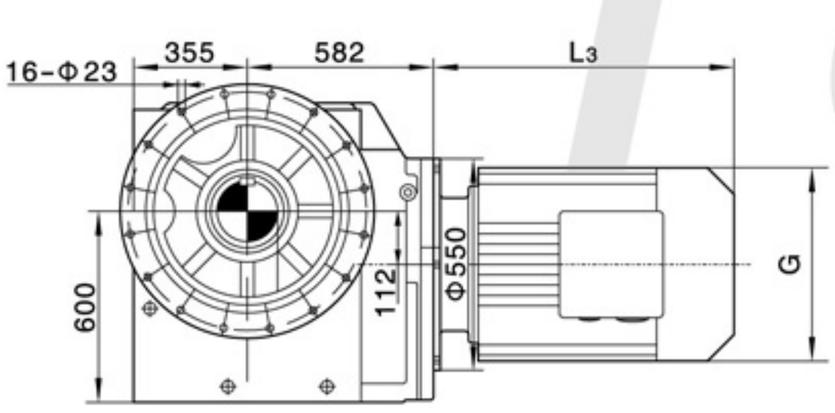
KA187

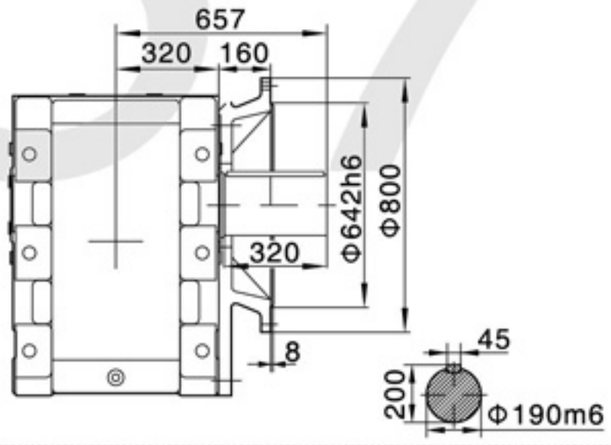




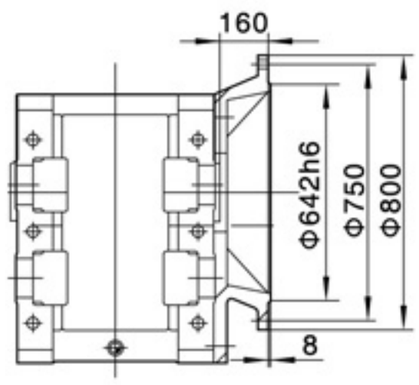


KF187



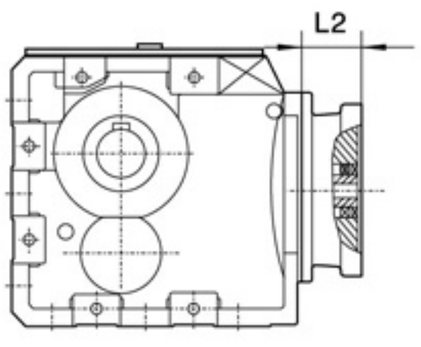


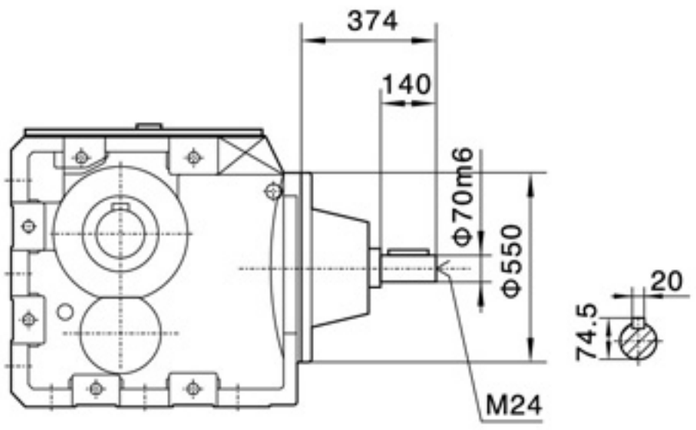
KAF187



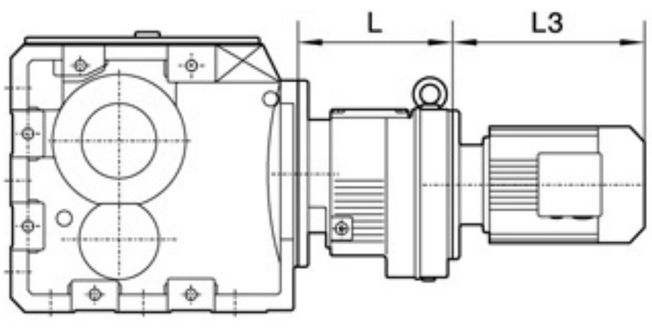
电机需方配或配特殊电机时
需加联接法兰

K..S187





K..187R97(R107)



When equipping the user's motor or the special one,the flange is required to connected.

注:其余尺寸见相对应结构形式
Note:For other values please refer to the opposited structure.

	K..187R97	K..187R107
L	320	370

Y2电机机座号 Motor size	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M	315S	315M	315L	
功率/4P Power/(kW)	11	15	18.5	22	30	37	45	55	75	90	110	132	160	200
L3	492	537	593	633	646	673	698	779	847	847	1100	1180	1270	
G	330	330	380	380	420	470	470	510	580	580	645	645	645	
L2	145	145	145	145	150	150	150	165	165	165	230	230	230	

注:1.以上壳体为通用件，安装尺寸均可相互参照。 2."K.."表示K、KA、KF、KAF、KAZ、KAB.
Note:1.The housings of KA、KF、KAF、KAZ are common parts.The mounting dimensions may consult each other. 2."K.."mean K、KA、KF、KAF、KAZ、KAB.



H、B 系列工业齿轮箱概述

- H、B齿轮箱采用通用设计方案，可按客户需求变型为行业专用的齿轮箱。
- 实现平行轴、直交轴、立式、卧式通用箱体，零部件种类减少，规格型号增加。
- 采用吸音箱体结构、较大的箱体表面积和大风扇、圆柱齿轮和螺旋锥齿轮均采用先进的磨齿工艺，使整机的温升、噪声降低、传动的可靠性得到提高，传递功率增大。
- 输入方式：电机联接法兰、轴输入。
- 输出方式：带平键的实心轴、带平键的空心轴、胀紧盘联结的空心轴、花键联结的空心轴、花键联结的实心轴和法兰联结的实心轴。
- 安装方式：卧式、立式、摆动底座式、扭力臂式。
- H、B系列产品有3～26型规格，减速传动级数有1～4级，速比1.25～450，和R、K系列组合得到更大的速比。

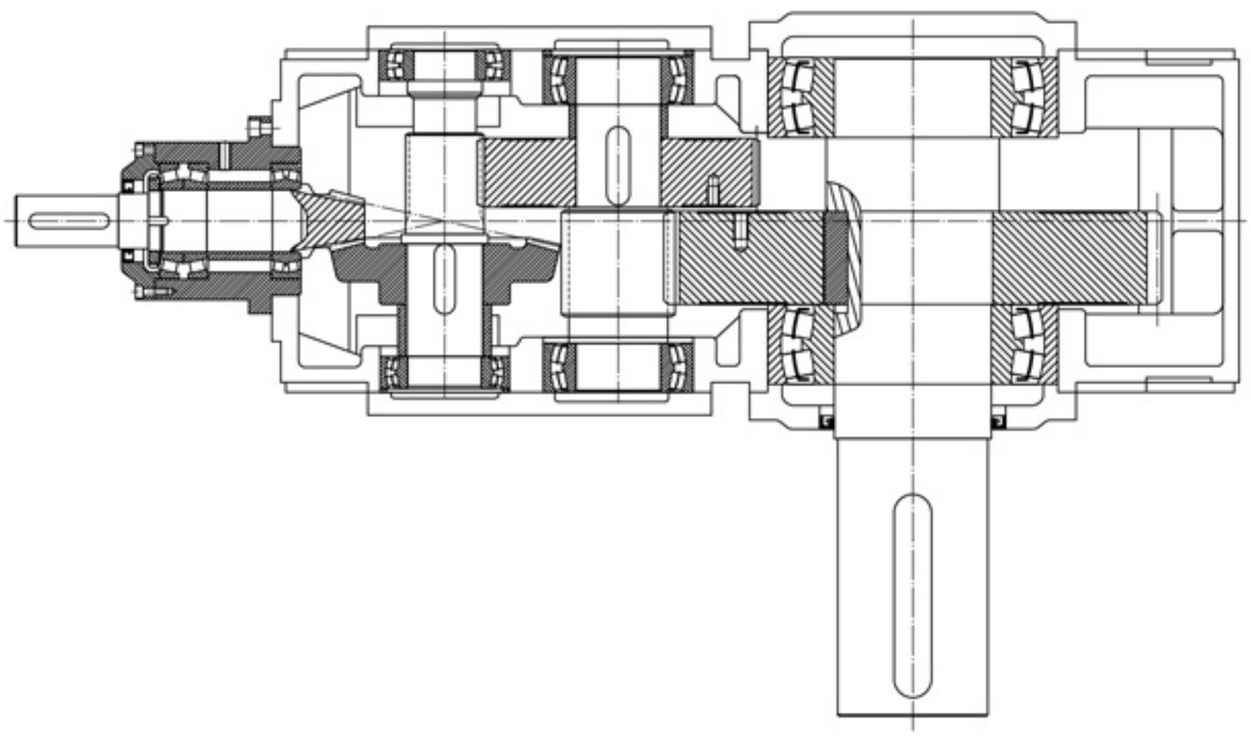
H、B series gear units overview:

- H.B series gear units adopt currency layout and may transform into speeral reducer according to customer's requirement.
- The housing of one size can realize parallel shaft,right-angle shaft modes and horizontal,vertical mounting modes.Variety of components is reducible, the number of reducer's mode is augmentable.
- Sound-absorbable structure, lager surface, big fan reduce temperature and noise, advanced grinding process of cylindrical gear and bevel gear improve stability and transmit power more efficeintly.
- Input mode: motor connected flange, shaft input.
- Output mode: solid shaft with flat key, hollow shaft with flat key, hollow shaft with shrink disk, hollow or solid shaft with involute splines, solid shaft with flange.
- Mounting mode: Foot-mounted, flange-mounted, swing base-mounted, torque-arm-mounted.
- H.B series include sizes 3~26, number of stages is 1~4, ratio is 1.25~450, combining with R series and K series, ratio will be higher.

HB

H、B 系列结构图：

H.B series reducer structure drawing:



H、B 系列型号规格表示方法举例：

H.B series model expressing example:

B 3 S H 10 - 56-A

- B：类型(H=平行轴;B=直交轴) Mode(H=Parallel shaft; B=right angle shaft)
- 3：传动级数(1、2、3和4级) Stage (1, 2, 3, 4)
- S：输出轴形式 (S=实心轴;H=带键空心轴;D=带胀紧盘空心轴) Output shaft mode(S=solid shaft;H=Parallel shaft with keyway D=hollow shaft with shrink disk)
- H：安装形式 (H=卧式安装；M=不带底脚的卧式安装；V=立式安装) Mounting mode (H=Foot-mounted, M=Horizontal design without feet V=Flange-mounted)
- 10：机座号 Gear unit size
- 56：公称减速比 Natio
- A：布置形式 Arrangement of output shaft (A、B、C、D、E、F、G、H、I)

符号说明：

ED=每小时工作周期，以百分比表示，如ED=60%/h

f1=被驱动设备系数（表1）

f2=原动机系数

f3=峰值扭矩系数

f4、f5=环境温度系数（表2、3）

f6、f7=海拔高度系数（表4、5）

f8=齿轮箱供油系数（表6）

f9、f10、f11、f12=热容量系数（表7、8、9、10）

a1=型号系数（表11）

a2=速比系数（表12）

P1=输入功率

PG1=不带辅助冷却装置的齿轮箱热容量

PG2=带冷却风扇装置的齿轮箱热容量

PG3=带内置式冷却盘管的齿轮箱热容量

PG4=带内置式冷却盘管和风扇的齿轮箱热容量

Symbol description:

ED=operating cycle per hour, express as percent, for example ED=60%/h

f1=Factor for driven machine (table 1)

f2=Factor for prime mover

f3=Peak torque factor

f4,f5=Ambient temperature factor (table 2,3)

f6,f7=Altitude factor (table 4,5)

f8=Applying oil factor of gear box (table 6)

f9,f10,f11,f12=Thermal capacity factor (table 7,8,9,10)

a1=Size factor (table 11)

a2=Transmission ratio factor (table 12)

P1=Power rating of driven machine

PG1=Thermal capacity for gear units without auxiliary cooling,

PG2=Thermal capacity for gear units with fan cooling,

PG3=Thermal capacity for gear units with built-in cooling coil

PG4=Thermal capacity for gear units with built-in cooling coil and fan



HB系列选型及举例：

HB series type selection example:

序号 Steps	说　明 Specification	代 号 Symbol	参　数　计　算 Calculate parameter
1	被驱动设备系数 Driven machine factor	f1	查163页f1表 See P163 f1 table
2	原动机系数 Factor for prime mover	f2	原动机系数 Factor for prime mover：f_2 电机、液压马达、汽轮机 Electric motors, hydraulic motors, turbines：1.0 4-6缸活塞发动机，周期变化1：100至1：200 Piston engines 4 - 6 cylinders cyclic variation 1 : 100 to 1 : 200：1.25 1-3缸活塞发动机，周期变化1：100 Piston engines 1 - 3 cylinders cyclic variation up to 1 : 100：1.5
3	齿轮箱许用输入转速 Permissible input speed	n1	≤1500
4	输入与输出轴关系 Position of input and output	H、B	平行选H系列，垂直选B系列 H:Parallel shaft, B: Right-angled shaft.
5	确定减速比 Determine ration	i	$i=n_1/n_2$
6	齿轮箱传动效率 Efficiency	η	单级sigle stage:98%，二级2-stage:96%，三级3-stage:94%，四级4-stage:92%
7	以被驱动设备所需的扭矩或功率，确认齿轮箱输入功率 Determine input power	P1	$P1=T2 \cdot n1/(9550 \cdot i \cdot \eta)$ 或 or $P1=P2/\eta$
8	根据计算，查传动能力表,确定齿轮箱规格 By calculation, defermine type in reference to transmission table	T2N、P1N	$T_{2N} \geqslant T2 \cdot f1 \cdot f2$ 或 (or) $P1N \geqslant P1 \cdot f1 \cdot f2$ 如果不满足条件：$3.33 \cdot P1 \geqslant P1N$，请向我们咨询。 If not meet: $3.33 \cdot P1 \geqslant P1N$ please consult us.
9	确认输出形式 Determine output mode		输出轴形式及安装方位 Output mode & mounting position
10	峰值扭矩校核 * Check for maximum torque	TA	$P_{IN} \geqslant T_A \cdot n1 \cdot f3/9550$ f3：单向载荷 Steady direction of load：0.5 / 0.65 / 0.7 / 0.85；交变载荷 Altemating direction of load：0.7 / 0.95 / 1.10 / 1.25 每小时峰值负荷次数 Load peaks per hour：1-5 / 6-30 / 31-100 / > 100
11	选定连接安装和附件后、校核轴许用强度 Verify intensity of shaft	Fr、Fa	见第166页 See P166
12	确认润滑方式、选择润滑油（见附录） Determine lubrication method and lubrication oil(see attachment)		卧式安装 Horizontal：所有需要润滑的零部件均浸在润滑油中，或采用飞溅润滑方式，也可按用户要求提供强制润滑方式。 Immersion, splash, forced lubrication. 立式安装 Vertical：可选润滑油供给方式：A.浸油润滑 B.通过法兰联按泵或电动泵进行强制润滑。根据n1值确定（P223） A: immersion B: Pump-forced lubrication
13	确认冷却方式 Cooling method		1 如满足以下条件，则齿轮箱不带辅助冷却装置 Adequate for gear units without auxiliary cooling, if: $P1 \leqslant PG1 \times f4 \times f6 \times f8 \times f9$ 2 如满足以下条件，则齿轮箱带冷却风扇可满足要求， Adequate for gear units with fan cooling, if: $P1 \leqslant PG2 \times f4 \times f6 \times f8 \times f10$ 3 如满足以下条件，则齿轮箱需带冷却盘管可满足要求， Adequate for gear units with fitted cooling coil, if: $P1 \leqslant PG3 \times f5 \times f7 \times f8 \times f11$ 4 如满足以下条件，则齿轮箱需带冷却盘管和风扇可满足要求， Adequate for gear units with cooling coil and fan, if: $P1 \leqslant PG4 \times f5 \times f7 \times f8 \times f12$ 5 如需要较高的热容量，则可按用户要求提供外部润滑油冷却装置进行冷却。 For higher thermal capacities, cooling by external oil cooler on request.: (f4、f5、f6、f7、f8、f9、f10、f11、f12 查refer to P164,165)

* 峰值扭矩：最大负载扭矩，是指启动、制动或最大脉动载荷所引起的最大扭矩。（一般工况条件下峰值扭矩为启动或制动时的最大扭矩）

* Peak torque: Maximum torque is maximum starting torque, maximum braking torque.

选　型　举　例
Selection example

已知条件：

原动机:

Pm=75KW

n1=1500rpm

TA=720N·m

工作机（皮带输送机）：

P2=66KW

n2=26rpm

工作制为=12小时/天

每小时起动次数：10次

每小时工作周期ED=100%

环境温度：30℃

室外安装

海拔高度：500m

直交齿轮箱

安装方式：卧式

布置方式：C

选型步骤：

1.计算速比：

i=n1/n2=1500/26=57.7　　iN=56

2.确定减速机的额定功率：

P1N≥P1·f1·f2=P2·f1·f2/η

=66×1.3×1/0.94=91.3kW

根据传动能力表可选B3，9型，P1N为96kW

校核：3.33×P1≥P1N

3.33×P1=3.33×P2/η=3.33×66/0.94

= 233.8 kW > P1N　满足要求。

3.校核峰值扭矩：

$P_{1N} \geq T_A \cdot n1 \cdot f3/9550$

=720×1500×0.65/9550=73.5kW

P1N=96kW>73.5kW　　符合条件

4.校核热容量：

PG1×f4×f6×f8×f9

=70.7kW×0.88×1×1×(1.23-2.80×0.085×0.15)

=74.3kW

P1=P2/η=66kW/0.94=70.2 <74.3kW

所以齿轮箱不带辅助冷却装置。

型号表示为: B3SH9-56-C

Given condition:

Driving machine:

Pm=75KW

n1=1500rpm

TA=720N·m

Driven machine(belt conveyor):

P2=66KW

n2=26rpm

service duration: 12h/day

Start-up: 10times/hour

Working circle ED=100% per hour

Ambient temperature: 30℃

installed in open field

Altitude: 500m

Right-angled shaft

Mounting mode: Horizontal

Shaft amangement: C

Selecting steps:

1.Calculate ratio:

i=n1/n2=1500/26=57.7　　iN=56

2.Determine nominal power:

P1N≥P1·f1·f2=P2·f1·f2/η

=66×1.3×1/0.94=91.3kW

Choose B3, size: 9, P1N: 96kW

Verify: 3.33×P1≥P1N

3.33×P1=3.33×P2/η=3.33×66/0.94

= 233.8 kW > P1N

3.Verify peak torque:

$P_{1N} \geq T_A \cdot n1 \cdot f3/9550$

=720×1500×0.65/9550=73.5kW

P1N=96kW>73.5kW　　Meet requirement.

4.Verify thermal capacity:

PG1×f4×f6×f8×f9

=70.7kW×0.88×1×1×(1.23-2.80×0.085×0.15)

=74.3kW

P1=P2/η=66kW/0.94=70.2 <74.3kW

So auxiliary cooling devece is unnecessary.

TYPE: B3SH9-56-C



服务系数 Service Factors

表1 Table 1 — 工作机系数 Factor for driven machine — f1

工作机 Driven machines		日带载运行时间（小时）Effective daily operating period under load in hours 0.5	>0.5-10	>10
污水处理	**Waste water treatment**			
浓缩器（中心传动）	Thickeners (central drive)	–	–	1.2
压滤器	Filter presses	1.0	1.3	1.5
絮凝器	Flocculation apparata	0.8	1.0	1.3
曝气机	Aerators	–	1.8	2.0
搂集设备	Raking equipment	1.0	1.2	1.3
纵向、回转组合式接集装置	Combined longitudinal and rotary rakes	1.0	1.3	1.5
浓缩器	Pre-thickeners	–	1.1	1.3
螺杆泵	Screw pumps	–	1.3	1.5
水轮机	Water turbines	–	–	2.0
泵	Pumps			
离心泵	Centrifugal pumps	1.0	1.2	1.3
容积式泵	Positive-displacement pumps			
1个活塞	1 piston	1.3	1.4	1.8
>1个活塞	> 1piston	1.2	1.4	1.5
挖泥机	**Dredgers**			
斗式运输机	Bucket conveyors	–	1.6	1.6
倾卸装置	Dumping devices	–	1.3	1.5
Carterpillar行走机构	Carterpillar travelling gears	1.2	1.6	1.8
斗式挖掘机	Bucket wheel excavators			
用于捡拾	as pick-up	–	1.7	1.7
用于粗料	for primitive material	–	2.2	2.2
切碎机	Cutter heads	–	2.2	2.2
行走机构 *	Traversing gears	–	1.4	1.8
弯板机	**Plate bending machines**	–	1.0	1.0
化学工业	**Chemical industry**			
挤压机	Extruders	–	–	1.6
调浆机	Dough mills	–	1.8	1.8
橡胶研光机	Rubber calenders	–	1.5	1.5
冷却圆筒	Cooling drums	–	1.3	1.4
混料机，用于	Mixers for			
均匀介质	uniform media	1.0	1.3	1.4
非均匀介质	non-uniform media	1.4	1.6	1.7
搅拌机，用于	Agitators for media with			
密度均匀介质	uniform density	1.0	1.3	1.5
不均匀介质	non-uniform density	1.2	1.4	1.6
不均匀气体吸收	non-uniform gas absorption	1.4	1.6	1.8
烘炉	Toasters	1.0	1.3	1.5
离心机	Centrifuges	1.0	1.2	1.3
金属加工设备	**Metal working mills**			
翻板机	Plate tilters	1.0	1.0	1.2
推钢机	Ingot pushers	1.0	1.2	1.2
绕线机	Winding machines	–	1.6	1.6
冷床横移架	Cooling bed transfer frames	–	1.5	1.5
辊式矫直机	Roller straighteners	–	1.6	1.6
辊道	Roller tables			
连续式	continuous	–	1.5	1.5
间歇式	intermittent	–	2.0	2.0
可逆式轧管机	Reversing tube mills	–	1.8	1.8
剪切机	Shears			
连续式 *	continuous	–	1.5	1.5
曲柄式 *	crank type	1.0	1.0	1.0
连铸机驱动装置	Continuous casting drivers	–	1.4	1.4
轧机	Rolls			
可逆式开坯机	Reversing blooming mills	–	2.5	2.5
可逆式板坯轧机	Reversing slabbing mills	–	2.5	2.5
可逆式线材轧机	Reversing wire mills	–	1.8	1.8
可逆式薄板轧机	Reversing sheet mills	–	2.0	2.0
可逆式中厚板轧机	Reversing plate mills	–	1.8	1.8
辊缝调节驱动装置	Roll adjustment drives	0.9	1.0	–

工作机 Driven machines			日带载运行时间（小时）Effective daily operating period under load in hours 0.5	>0.5-10	>10
输送机械	**Conveyors**				
斗式输送机	Bucket conveyors		–	1.4	1.5
绞车	Hauling winches		1.4	1.6	1.6
卷扬机	Hoists		–	1.5	1.8
皮带输送机≤150kW	Belt conveyors	150 kW	1.0	1.2	1.3
皮带输送机≥150kW	Belt conveyors	150 kW	1.1	1.3	1.4
货用电梯 *	Goods lifts		–	1.2	1.5
客用电梯 *	Passenger lifts		–	1.5	1.8
刮板式输送机	Apron conveyors		–	1.2	1.5
自动扶梯	Escalators		1.0	1.2	1.4
轨道行走机构	Rail travelling gears		–	1.5	–
变频装置	**Frequency converters**		–	1.8	2.0
往复式压缩机	**Reciprocating compressors**		–	1.8	2.0
起重机械 **	**Cranes**				
回转机构 *	Slewing gears		1.0	1.4	1.8
俯仰机构	Luffing gears		1.0	1.1	1.4
行走机构	Travelling gears		1.1	1.6	2.0
提升机构	Hoisting gears		1.0	1.1	1.4
转臂式起重机	Derricking jib cranes		1.0	1.2	1.6
冷却塔	**Cooling towers**				
冷却塔风扇	Cooling tower fans		–	–	2.0
风机（轴流和离心式）	Blowers (axial and radial)		–	1.4	1.5
食品工业	**Food industry**				
蔗糖生产	Cane sugar production				
甘蔗切碎机 *	Cane knives		–	–	1.7
甘蔗碾磨机	Cane mills		–	–	1.7
甜菜糖生产	Beet sugar production				
甜菜绞碎机	Beet cossettes macerators,		–	–	1.2
榨取机，机械致冷机、蒸煮机	Extraction plants, Mechanical refrigerators, Juice boilers,		–	–	1.4
甜菜清洗机	Sugar beet washing machines,				
甜菜切碎机	Sugar beet cutters		–	–	1.5
造纸机械	**Paper machines**				
各种类型 ***	of all-kind		–	1.8	2.0
碎浆机驱动装置	Pulper drives		根据客户要求供货 On request		
离心式压缩机	**Centrifugal compressors**		–	1.4	1.5
索道缆车	**Cableways**				
运货索道	Material ropeways		–	1.3	1.4
往返系统空中索道	To- and fro system aerial ropeways		–	1.6	1.8
T型杆升降机	T-bar lifts		–	1.3	1.4
连续索道	Continuous ropeways		–	1.4	1.6
水泥工业	**Cement industry**				
混凝土搅拌器	Concrete mixers		–	1.5	1.5
破碎机 *	Breakers		–	1.2	1.4
回转窑	Rotary kilns		–	–	2.0
管式磨机	Tube mills		–	–	2.0
选粉机	Separators		–	1.6	1.6
辊压机	Roll crushers		–	–	2.0

1. 工作机额定功率P2的确定：
   *）按最大的扭矩确定额定功率。
   **）可交载荷准确地分类。
   ***）检验热容量是绝对必要的。
2. 所列各项系数均为经验值。使用这些系数的前提条件是，所述机械设备应符合通常的设计规范和载荷条件。如遇特殊情况，请及时与我们取得联系。
3. 对于那些未列入此表的工作机械，请与我们联系。

1. Design for power rating of driven machine P2
   *) Designed power corresponding to max. torque
   **) Load can be exactly classified, for Instance.
   ***) A check for thermal capacity is absolutely essential
2. The listed factors are empirical values. Prerequisite for their application is that the machinery and equipment mentioned correspond to generally accepted design and load specifications. In case of deviations from standard conditions, please refer to us.
3. For driven machines which are not listed in this table,please refer to us.

表2 Table 2 **环境温度系数 Thermal factor** f4

不带辅助冷却装置或仅带冷却风扇
Without auxiliary cooling or with fan cooling

环境温度 Ambient temperature	每小时工作周期（ED）百分比% Operating cycle per hour (ED) in %				
	100	80	60	40	20
10 ℃	1.11	1.31	1.60	2.14	3.64
20 ℃	1.00	1.18	1.44	1.93	3.28
30 ℃	0.88	1.04	1.27	1.70	2.89
40 ℃	0.75	0.89	1.08	1.45	2.46
50 ℃	0.63	0.74	0.91	1.22	2.07

表3 Table 3 **环境温度系数 Thermal factor** f5

带冷却盘管或带冷却盘管和风扇
For cooling with cooling coil, or with fan and cooling coil

环境温度 Ambient temperature	每小时工作周期（ED）百分比% Operating cycle per hour (ED) in %				
	100	80	60	40	20
10 ℃	1.05	1.23	1.50	2.03	3.41
20 ℃	1.00	1.17	1.43	1.93	3.25
30 ℃	0.93	1.09	1.33	1.79	3.02
40 ℃	0.87	1.02	1.24	1.68	2.83
50 ℃	0.81	0.95	1.16	1.56	2.63

表4 Table 4 **海拔高度系数 Factor for altitude** f6

不带辅助冷却装置或仅带冷却风扇
Without auxiliary cooling or with fan cooling

系数 Factor	海拔高度（m, 高于海平面） Altitude (metres above MSL)				
	up to 1000	up to 2000	up to 3000	up to 4000	up to 5000
f6	1.0	0.95	0.90	0.85	0.80

表5 Table 5 **海拔高度系数 Factor for altitude** f7

带冷却盘管或带冷却盘管和风扇
For cooling with cooling coil, or with fan and cooling coil

系数 Factor	海拔高度（m, 高于海平面） Altitude (metres above MSL)				
	up to 1000	up to 2000	up to 3000	up to 4000	up to 5000
f7	1.0	0.98	0.96	0.94	0.92

表6 Table 6 **立式安装齿轮箱供油系数。对于卧式安装齿轮箱f 8=1. 0； 当采用强制润滑时，f 8=1. 05**
Oil supply factor for vertical gear units. For horizontal gear units f_8 = 1.0, and in case of forced lubrication f_8 = 1.05 **f8**

齿轮箱类型 Gear unit type	供油方式 Oil supply	Sizes 4 ... 12				Sizes 13 ... 18			
		不带辅助冷却装置 Without auxiliary cooling	带冷却风扇 With fan	带冷却盘管 With cooling coil	带风扇和冷却盘管 With fan and cooling coil	不带辅助冷却装置 Without auxiliary cooling	带冷却风扇 With fan	带冷却盘管 With cooling coil	带风扇和冷却盘管 With fan and cooling coil
H2.V, H3.V H4.V	浸油润滑 Dip lubrication	0.95	*	0.95	*	*	*	*	*
	强制润滑 Forced lubrication	1.15	*	1.05	*	1.15	*	1.05	*
B2.V, B3.V B4.V	浸油润滑 Dip lubrication	0.95	0.95	0.95	0.95	*	*	*	*
	强制润滑 Forced lubrication	1.15	1.10	1.10	1.10	1.15	1.10	1.10	1.10

表7 Table 7 **不带辅助冷却装置齿轮箱的热容量系数 Thermal capacity factor for gear units without auxiliary cooling** f9

类型 Gear unit type	n 1/min	安装空间 Place of installation		
		狭小空间安装 风速≥0. 5 m/s Small confined spaces Wind velocity ≥ 0.5 m/s	大厅或大车间安装 风速≥1. 4 m/s Large halls, workshops Wind velocity ≥ 1.4 m/s	室外安装 风速≥4. 0 m/s In the open Wind velocity ≥ 4.0 m/s
H1	750	0.68 - 0.26 x a_1 x a_2	0.79 - 0.27 x a_1 x a_2	1.00
	1000	0.70 - 0.79 x a_1 x a_2	0.84 - 0.85 x a_1 x a_2	1.14 - 0.81 x a_1 x a_2
	1500	0.72 - 2.50 x a_1 x a_2	0.89 - 2.60 x a_1 x a_2	1.25 - 2.60 x a_1 x a_2
H2	750	0.70 - 0.08 x a_1 x a_2	0.79 - 0.21 x a_1 x a_2	1.00
	1000	0.76 - 1.00 x a_1 x a_2	0.87 - 1.40 x a_1 x a_2	1.12 - 1.30 x a_1 x a_2
	1500	0.83 - 4.10 x a_1 x a_2	0.96 - 4.60 x a_1 x a_2	1.25 - 4.20 x a_1 x a_2
H3	750	0.76	0.81 - 0.06 x a_1 x a_2	1.00
	1000	0.83 - 1.20 x a_1 x a_2	0.90 - 1.36 x a_1 x a_2	1.11 - 1.30 x a_1 x a_2
	1500	0.93 - 4.70 x a_1 x a_2	1.00 - 4.80 x a_1 x a_2	1.27 - 5.10 x a_1 x a_2
H4	750	0.78	0.83	1.00
	1000	0.85	0.91 - 1.60 x a_1 x a_2	1.10 - 2.40 x a_1 x a_2
	1500	0.97 - 10.0 x a_1 x a_2	1.03 - 12.5 x a_1 x a_2	1.27 - 14.0 x a_1 x a_2
B2	750	0.66 - 0.09 x a_1 x a_2	0.77 - 0.14 x a_1 x a_2	1.00
	1000	0.69 - 0.70 x a_1 x a_2	0.81 - 0.77 x a_1 x a_2	1.08 - 0.64 x a_1 x a_2
	1500	0.74 - 3.20 x a_1 x a_2	0.88 - 3.30 x a_1 x a_2	1.20 - 2.90 x a_1 x a_2
B3	750	0.73	0.80 - 0.05 x a_1 x a_2	1.00
	1000	0.79 - 0.63 x a_1 x a_2	0.87 - 0.81 x a_1 x a_2	1.10 - 0.73 x a_1 x a_2
	1500	0.86 - 2.40 x a_1 x a_2	0.95 - 2.60 x a_1 x a_2	1.23 - 2.80 x a_1 x a_2
B4	750	0.77	0.82	1.00
	1000	0.83	0.88	1.09 - 0.29 x a_1 x a_2
	1500	0.92 - 1.70 x a_1 x a_2	0.99 - 2.20 x a_1 x a_2	1.24 - 2.60 x a_1 x a_2

◂当f9小于0.5时， 请咨询。 For factor f9<0.5,please refer to us!

表8 Table 8 **带冷却风扇齿轮箱的热容量系数 Thermal capacity factor for gear units with fan** f10

类型 Gear unit type	n 1/min	安装空间 Place of installation		
		狭小空间安装 风速≥0. 5 m/s Small confined spaces Wind velocity ≥ 0.5 m/s	大厅或大车间安装 风速≥1. 4 m/s Large halls, workshops Wind velocity ≥ 1.4 m/s	室外安装 风速≥4. 0 m/s In the open Wind velocity ≥ 4.0 m/s
H1	750	0.97 - 0.05 x a_1 x a_2	0.97 - 0.04 x a_1 x a_2	1.00
	1000	1.18 - 0.33 x a_1 x a_2	1.20 - 0.33 x a_1 x a_2	1.23 - 0.32 x a_1 x a_2
	1500	1.53 - 1.00 x a_1 x a_2	1.53 - 0.95 x a_1 x a_2	1.56 - 0.94 x a_1 x a_2
H2	750	0.95 - 0.07 x a_1 x a_2	0.96 - 0.06 x a_1 x a_2	1.00
	1000	1.16 - 0.65 x a_1 x a_2	1.17 - 0.63 x a_1 x a_2	1.21 - 0.55 x a_1 x a_2
	1500	1.54 - 2.40 x a_1 x a_2	1.55 - 2.40 x a_1 x a_2	1.58 - 2.20 x a_1 x a_2
H3	750	0.89 - 0.29 x a_1 x a_2	0.91 - 0.25 x a_1 x a_2	1.00
	1000	1.06 - 1.30 x a_1 x a_2	1.08 - 1.20 x a_1 x a_2	1.17 - 0.93 x a_1 x a_2
	1500	1.38 - 4.20 x a_1 x a_2	1.40 - 4.10 x a_1 x a_2	1.48 - 3.70 x a_1 x a_2
B2	750	0.95	0.96	1.00
	1000	1.13 - 0.15 x a_1 x a_2	1.14 - 0.16 x a_1 x a_2	1.19 - 0.19 x a_1 x a_2
	1500	1.47 - 0.95 x a_1 x a_2	1.48 - 0.92 x a_1 x a_2	1.52 - 0.95 x a_1 x a_2
B3	750	0.94	0.96	1.00
	1000	1.13 - 0.17 x a_1 x a_2	1.14 - 0.18 x a_1 x a_2	1.18 - 0.25 x a_1 x a_2
	1500	1.48 - 1.40 x a_1 x a_2	1.49 - 1.40 x a_1 x a_2	1.52 - 1.40 x a_1 x a_2

当f10小于0.5时， 请咨询。 For factor f10<0.5,please refer to us!

注： “*” 按客户要求供货 On request。



表9 带冷却盘管齿轮箱的热容量系数 f_{11}

Table 9 Thermal capacity factor for gear units with cooling coil

类型 Gear unit type	n 1/min	安装空间 Place of installation		
		狭小空间安装 风速≥0.5 m/s Small confined spaces Wind velocity≥0.5m/s	大厅或大车间安装 风速≥1.4 m/s Large halls,workshops Wind velocity ≥ 1.4 m/s	室外安装 风速≥4.0 m/s In the open Wind velocity ≥ 4.0 m/s
H1	750	0.87	0.91	1.00
	1000	0.97 - 0.02 x a_1 x a_2	1.03 - 0.05 x a_1 x a_2	1.16 - 0.10 x a_1 x a_2
	1500	1.15 - 0.19 x a_1 x a_2	1.22 - 0.23 x a_1 x a_2	1.39 - 0.33 x a_1 x a_2
H2	750	0.88	0.91	1.00
	1000	1.01	1.06 - 0.08 x a_1 x a_2	1.17 - 0.24 x a_1 x a_2
	1500	1.27 - 0.79 x a_1 x a_2	1.33 - 0.88 x a_1 x a_2	1.47 - 1.10 x a_1 x a_2
H3	750	0.89	0.91	1.00
	1000	1.04	1.07	1.18 - 0.38 x a_1 x a_2
	1500	1.38 - 0.78 x a_1 x a_2	1.34 - 1.10 x a_1 x a_2	1.47 - 1.60 x a_1 x a_2
B2	750	0.86	0.90	1.00
	1000	0.98	1.02	1.15 - 0.09 x a_1 x a_2
	1500	1.14	1.19 - 0.05 x a_1 x a_2	1.38 - 0.37 x a_1 x a_2
B3	750	0.88	0.91	1.00
	1000	1.03	1.06	1.17 - 0.18 x a_1 x a_2
	1500	1.28 - 0.35 x a_1 x a_2	1.32 - 0.48 x a_1 x a_2	1.46 - 0.84 x a_1 x a_2

当f11小于0.5时，请咨询。 For factor f11<0.5,please refer to us!

表10 带冷却风扇和冷却盘管的齿轮箱的热容量 f_{12}

Table 10 Thermal capacity factor for gear units with fan and cooling coil

类型 Gear unit type	n 1/min	安装空间 Place of installation		
		狭小空间安装 风速≥0.5 m/s Small confined spaces Wind velocity≥0.5m/s	大厅或大车间安装 风速≥1.4 m/s Large halls,workshops Wind velocity ≥ 1.4 m/s	室外安装 风速≥4.0 m/s In the open Wind velocity ≥ 4.0 m/s
H1	750	0.98	0.98	1.00
	1000	1.19 - 0.09 x a_1 x a_2	1.20 - 0.09 x a_1 x a_2	1.22 - 0.09 x a_1 x a_2
	1500	1.56 - 0.31 x a_1 x a_2	1.56 - 0.30 x a_1 x a_2	1.57 - 0.29 x a_1 x a_2
H2	750	0.97	0.98	1.00
	1000	1.19 - 0.25 x a_1 x a_2	1.20 - 0.25 x a_1 x a_2	1.22 - 0.25 x a_1 x a_2
	1500	1.59 - 1.06 x a_1 x a_2	1.59 - 1.00 x a_1 x a_2	1.61 - 1.00 x a_1 x a_2
H3	750	0.94	0.95	1.00
	1000	1.14 - 0.46 x a_1 x a_2	1.15 - 0.47 x a_1 x a_2	1.20 - 0.48 x a_1 x a_2
	1500	1.51 - 2.10 x a_1 x a_2	1.52 - 2.00 x a_1 x a_2	1.57 - 2.00 x a_1 x a_2
B2	750	0.97	0.98	1.00
	1000	1.17 - 0.08 x a_1 x a_2	1.18 - 0.08 x a_1 x a_2	1.21 - 0.12 x a_1 x a_2
	1500	1.55 - 0.47 x a_1 x a_2	1.55 - 0.47 x a_1 x a_2	1.58 - 0.52 x a_1 x a_2
B3	750	0.97	0.97	1.00
	1000	1.17 - 0.08 x a_1 x a_2	1.18 - 0.10 x a_1 x a_2	1.21 - 0.19 x a_1 x a_2
	1500	1.56 - 0.84 x a_1 x a_2	1.57 - 0.85 x a_1 x a_2	1.60 - 0.92 x a_1 x a_2

当f12小于0.5时，请咨询。 For factor f12<0.5,please refer to us!

表11 型号系数 a_1

Table 11 Size factor

Size	3	4	5	6	7	8	9	10	11	12	13	14
a_1	0.024	0.030	0.050	0.055	0.065	0.075	0.085	0.095	0.135	0.160	0.190	0.200
Size	15	16	17	18	19	20	21	22	23	24	25	26
a_1	0.270	0.290	0.320	0.345	0.370	0.390	0.530	0.610	请来电咨询 Please refer to us.			

表12 速比系数 a_2

Table 12 Transmission ratio factor

i	H1SH	i	H2SH	i	H3SH	i	H4SH	i	B2SH	i	B3SH	i	B4SH
1.25	13.000	6.3	1.800	22.4	0.320	100	0.020	5	3.500	12.5	0.950	80	0.110
1.4	12.000	7.1	1.600	25	0.310	112	0.015	5.6	2.800	14	0.850	90	0.100
1.6	10.000	8	1.400	28	0.270	125	0.012	6.3	2.400	16	0.800	100	0.090
1.8	8.500	9	1.100	31.5	0.230	140	0.009	7.1	1.900	18	0.750	112	0.080
2	8.000	10	0.890	35.5	0.190	160	0.007	8	1.600	20	0.700	125	0.070
2.24	7.000	11.2	0.740	40	0.170	180	0.004	9	1.350	22.4	0.650	140	0.060
2.5	6.500	12.5	0.630	45	0.160	200	0.002	10	1.200	25	0.550	160	0.050
2.8	6.000	14	0.530	50	0.110	224	0	11.2	1.100	28	0.450	180	0.040
3.15	3.500	16	0.450	56	0.080	250	0	12.5	0.950	31.5	0.380	200	0.030
3.55	3.300	18	0.370	63	0.050	280	0	14	0.850	35.5	0.330	224	0.020
4	2.900	20	0.330	71	0.045	315	0	16	0.800	40	0.300	250	0.010
4.5	2.100	22.4	0.320	80	0.040	355	0	18	0.750	45	0.270	280	0
5	1.600	25	0.310	90	0.035	400	0			50	0.200	315	0
5.6	1.600	28	0.270	100	0.020	450	0			56	0.150	355	0
				112	0.015					63	0.130	400	0
										71	0.120		
										80	0.110		
										90	0.100		

注：减速机在户外安装时，应该避免阳光的直接照射，应该按需采取防护措施，如加盖等，应避免热力集中。

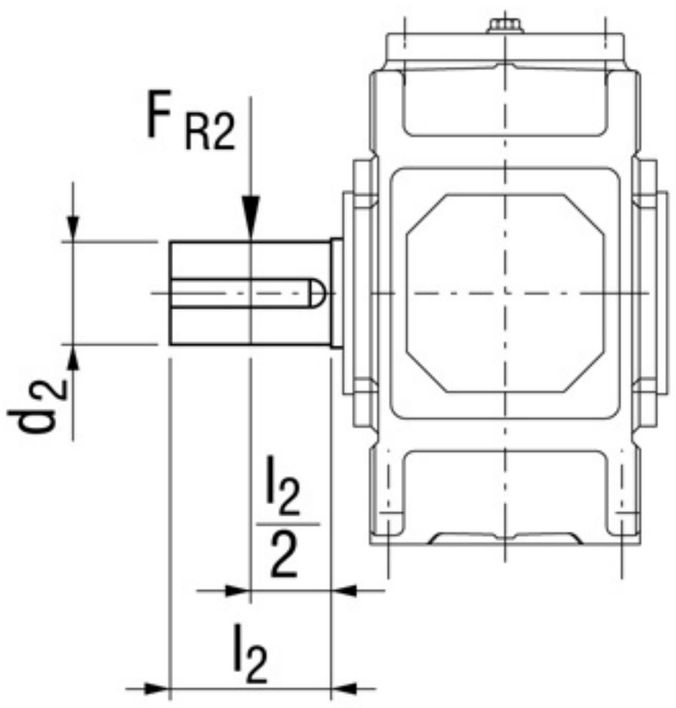
Note: Gear units installed in open field will avoid direct sunshine by equiping a shelter.

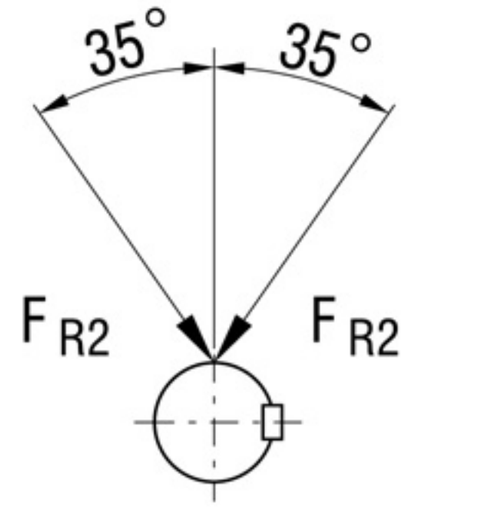
输出轴允许的附加径向力：

Permissible Additional Radial Forces on Output Shaft:

输出轴d2上允许的附加径向力：

Permissible Additional Radial Forces on Output Shaft d2





允许的作用力方向
Permissible direction of force

允许的附加径向力Fr2（kN），作用于输出轴端中部**
Permissible additional radial forces FR2 in kN with application of force on centre of shaft end

型号 Type	布置形式 Design	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
H1SH	A / B	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—
H2S.	A / B / G / H	—	10	22	22	30	30	30	45	64	64	150	150	140	205	205	205
	C / D	—	10	13	13	18	18	10	28	35	35	112	112	85	135	135	135
H3S.	A / B / G / H	—	—	29	29	40	40	40	60	85	85	190	190	185	265	265	265
	C / D	—	—	18	18	26	26	18	40	50	50	150	150	120	185	185	190
H4S.	A / B	—	—	—	—	26	26	18	40	50	50	150	150	120	185	185	190
	C / D	—	—	—	—	40	40	40	60	85	85	190	190	185	265	265	265
B2S.	A / C	—	13	27	27	37	37	38	55	78	78	160	160	150	210	210	210
	B / D	—	12	15	15	17	17	10	30	35	38	110	110	75	145	100	100
B3S.	A / C	—	14	29	29	40	40	40	60	85	85	190	190	185	265	265	265
	B / D	—	9	18	18	26	26	18	40	50	50	150	150	120	185	185	190
B4S.	A / C	—	—	29	29	40	40	40	60	85	85	190	190	185	265	265	265
	B / D	—	—	18	18	26	26	18	40	50	50	150	150	120	185	185	190

注：1) 表中数据为最小值。如果给定了力的作用角和回转方向，通常情况下，可允许承受较大的附加力。请与我们取得联系。

2) *按客户要求供货。

3) **当作用力不在轴端中部时，请参见167页。

4) 基础螺栓的最低性能等级为8.8级。基础必须干燥，不得有油脂。如用户要求，允许输入轴d1上附加径向力。

Note: 1)Values in tables are minimum values. If the angle of application of force and the direction of rotation are given, significantly higher additional forces can mostly be allowed. Please consult us.

2)* On request.

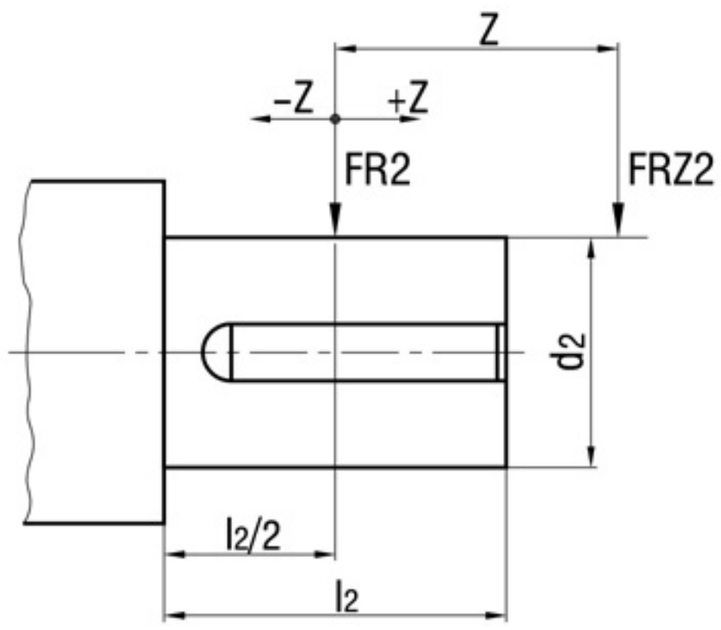
3)**For application of force outside the centre of the shaft end, see P167.

4)Use foundation bolts of min. property class 8.8.Foundation must be dry and grease-free.Permissible additional radial forces on input shaft d1 on request.

输出轴d2上允许的附加径向力：　Permissible Additional Radial Forces on Output Shaft d2

作用力不在轴端中部
Application of force outside the centre of the shaft end

$$F_{RZ2} = F_{R2} \times k$$



F_{RZ2} 允许的轴端外部径向力
Permissible external radial force

F_{R2} 允许的附加径向力
根据上一页的表确定。
Permissible additional radial force acc. to table

k 作用力系数根据下表确定
Factor of application of force acc. to table

HB

作用力系数k　Factor of application of force k

机座号 Size	距离 Distance z （mm）														
	- 200	- 150	- 100	- 75	- 50	- 25	0	25	50	75	100	150	200	250	300
3					1.21	1.09	1.00	0.85	0.74	0.65	0.58	0.48			
4					1.17	1.08	1.00	0.86	0.76	0.68	0.62	0.52	0.44		
5、6				1.22	1.14	1.06	1.00	0.88	0.79	0.72	0.66	0.56	0.49	0.43	
7、8				1.19	1.12	1.06	1.00	0.89	0.81	0.74	0.68	0.58	0.51	0.46	0.41
9、10			1.22	1.15	1.10	1.05	1.00	0.90	0.82	0.76	0.70	0.61	0.54	0.48	0.44
11、12			1.18	1.13	1.08	1.04	1.00	0.91	0.84	0.78	0.73	0.64	0.57	0.51	0.47
13、14		1.24	1.15	1.11	1.07	1.03	1.00	0.92	0.86	0.80	0.75	0.67	0.60	0.55	0.50
15、16		1.20	1.12	1.09	1.06	1.03	1.00	0.93	0.87	0.82	0.77	0.69	0.63	0.58	0.53
17、18	1.25	1.17	1.11	1.08	1.05	1.03	1.00	0.94	0.88	0.84	0.79	0.72	0.66	0.60	0.56

H1系列传动能力表(i=1.25-5.6):

H1 series transmission capacity table(i=1.25-5.6):

n_1 (r/min)	n_{2N} (r/min)	i_N	H1-3			H1-5			H1-7			H1-9			H1-11			H1-13			H1-15			H1-17			H1-19		
			T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)
1500	1200				327			880			1671			2702															
1000	800	1.25	2.6	1.243	218	7	1.256	586	13.3	1.263	1114	21.5	1.270	1801															
750	600				163			440			836			1351															
1500	1071				303			807			1559			2501															
1000	714	1.4	2.7	1.371	202	7.2	1.378	538	13.9	1.389	1039	22.3	1.400	1667															
750	536				152			404			780			1252															
1500	938				285			737			1395			2318			3929												
1000	625	1.6	2.9	1.594	190	7.5	1.588	491	14.2	1.606	929	23.6	1.625	1545	40	1.636	2618	63	1.588	4123									
750	469				142			368			697			1159			1964			3094									
1500	833				209			672			1326			2128			3611												
1000	556	1.8	2.4	1.829	140	7.7	1.839	448	15.2	1.774	885	24.4	1.800	1421	41.4	1.806	2410	66.3	1.839	3860									
750	417				105			336			664			1065			1808			2895									
1500	750				196			644			1217			1963			3353												
1000	500	2.0	2.5	2.000	131	8.2	2.034	429	15.5	1.966	812	25	2.000	1309	42.7	2.000	2236	68.2	2.034	3571	121	2.000							
750	375				98			322			609			982			1677			2678			4751						
1500	670				175			589			1087			1754			3087												
1000	446	2.24	2.5	2.194	117	8.4	2.259	392	15.5	2.308	724	25	2.231	1168	44	2.222	2055	70.3	2.259	3283	122	2.231							
750	335				88			295			544			877			1543			2466			4280						
1500	600				163			528			974			1571			2764												
1000	400	2.5	2.6	2.536	109	8.4	2.520	352	15.5	2.583	649	25	2.500	1047	44	2.480	1843	72	2.520	3016	110	2.481	4607						
750	300				82			264			487			785			1382			2262			3455						
1500	536				152			471			836			1330			2470												
1000	357	2.8	2.7	2.808	101	8.4	2.826	314	14.9	2.800	557	23.7	2.741	886	44	2.783	1645	72	2.826	2692	113	2.760	4224	171	2.760				
750	268				76			236			418			665			1235			2021			3171			4799			
1500	476				135			419			758			1221			2088			3409									
1000	317	3.15	2.7	3.125	90	8.4	3.190	279	15.2	3.130	505	24.5	3.208	813	41.9	3.080	1391	68.4	3.208	2270	116	3.087	3850	173	3.087				
750	238				67			209			379			611			1044			1705			2891			4311			
1500	423				124			368			687			1103			1936			3083									
1000	282	3.55	2.8	3.500	83	8.3	3.591	245	15.5	3.524	458	24.9	3.591	735	43.7	3.478	1290	69.6	3.591	2055	118	3.476	3484	173	3.476				
750	211				62			183			342			550			966			1538			2607			3822			
1500	375				110			330			609			982			1728			2780									
1000	250	4.0	2.8	3.950	73	8.4	4.050	220	15.5	4.000	406	25	4.050	654	44	3.905	1152	70.8	4.050	1853	122	3.947	3194	173	3.947	4529	245	3.994	
750	188				55			165			305			492			866			1394			2402			3406			4823
1500	333				77			234			481			746			1395			2008			3557						
1000	222	4.5	2.2	4.435	51	6.7	4.619	156	13.8	4.400	321	21.4	4.381	497	40	4.421	930	57.6	4.619	1339	102	4.579	2371	146	4.526	3394	216	4.400	
750	167				38			117			241			374			699			1007			1784			2553			3777
1500	300				66			198			377			644			1059			1712			2790						
1000	200	5.0	2.1	4.952	44	6.3	4.900	132	12	4.905	251	20.5	4.947	429	33.7	5.150	706	54.5	4.900	1141	88.8	5.100	1860	124	4.900	2597	174	4.950	3644
750	150				33			99			188			322			529			856			1395			1948			2733
1500	268				56			168			320			491			892			1454			2371						
1000	179	5.6	2	5.579	37	6	5.556	112	11.4	5.526	214	17.5	5.684	328	31.8	5.474	596	51.8	5.556	971	84.5	5.778	1584	118	5.556	2212	150	5.700	2812
750	134				28			84			160			246			446			727			1186			1656			2105

注：▭卧式安装齿轮箱要求采用强制润滑。

Note: ▭ Forced lubrication required on horizontal gear units.



H系列传动能力表(i=6.3-35.5):

H series transmission capacity table(i=6.3-35.5):

n_1 (r/min)	n_{2N} (r/min)	i_N	H-4			H-5			H-6			H-7			H-8			H-9		
			T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)
1500	238				157			262						474						785
1000	159	6.3	6.3	6.319	105	10.5	6.286	175				19	6.088	316				31.5	6.260	524
750	119				79			131						237						393
1500	211				139			232						420						696
1000	141	7.1	6.3	6.857	93	10.5	7.213	155				19	7.048	281				31.5	7.247	465
750	106				70			117						211						350
1500	188				124			207			266			374			472			620
1000	125	8.0	6.3	7.778	82	10.5	7.889	137	13.5	7.792	177	19	7.799	249	24	7.676	314	31.5	8.018	412
750	94				62			103			133			187			236			310
1500	167				110			184			236			332			420			551
1000	111	9	6.3	8.485	73	10.5	8.652	122	13.5	8.940	157	19	8.660	221	24	8.887	279	31.5	8.904	366
750	83				55			91			117			165			209			274
1500	150				99			165			212			298			377			495
1000	100	10	6.3	9.722	66	10.5	10.002	110	13.5	9.778	141	19	9.660	199	24	9.833	251	31.5	9.932	330
750	75				49			82			106			149			188			247
1500	134				88			147			189			267			337			442
1000	89	11.2	6.3	10.694	59	10.5	11.075	98	13.5	10.724	126	19	10.648	177	24	10.920	224	31.5	11.138	294
750	67				44			74			95			133			168			221
1500	120				79			132			170			239			302			396
1000	80	12.5	6.3	12.444	53	10.5	12.326	88	13.5	12.397	113	19	11.807	159	24	12.180	201	31.5	12.574	264
750	60				40			66			85			119			151			198
1500	107				71			118			151			213			269			353
1000	71	14	6.3	13.865	47	10.5	13.806	78	13.5	13.726	100	19	13.939	141	24	13.426	178	31.5	14.152	234
750	54				36			59			76			107			136			178
1500	94				62			103			133			187			236			310
1000	63	16	6.3	15.556	42	10.5	15.581	69	13.5	15.278	89	19	15.717	125	24	14.887	158	31.5	15.962	208
750	47				31			52			66			94			118			155
1500	83				55			91			117			165			209			274
1000	56	18	6.3	17.602	37	10.5	17.493	62	13.5	17.111	79	19	17.598	111	24	17.576	141	31.5	18.204	185
750	42				28			46			59			84			106			139
1500	75				49			82			106			149			188			247
1000	50	20	6.3	19.444	33	10.5	19.534	55	13.5	19.311	71	19	19.742	99	24	19.817	126	31.5	19.312	165
750	38				25			42			54			76			95			125
1500	67				43			72			95			130			168			217
1000	45	22.4	6.2	22.037	29	10.2	22.006	48	13.5	21.681	64	18.6	20.982	88	24	22.189	113	31	21.895	146
750	33				21			35			47			64			83			107
1500	60							69			85			129			151			214
1000	40	25				11	25.011	46	13.5	24.212	57	20.5	25.540	86	24	24.892	101	34	25.439	142
750	30							35			42			64			75			107
1500	54							62			74			116			133			192
1000	36	28				11	28.490	41	13	27.275	49	20.5	27.711	77	23.5	26.456	89	34	29.187	128
750	27							31			37			58			66			96
1500	48							55			73			103			128			171
1000	32	31.5				11	31.161	37	14.5	30.999	49	20.5	31.433	69	25.5	32.202	85	34	31.924	114
750	24							28			36			52			64			85
1500	42							48			64			90			112			150
1000	28	35.5				11	34.177	32	14.5	35.312	43	20.5	34.291	60	25.5	34.940	75	34	35.013	100
750	21							24			32			45			56			75

H2
H3

H系列传动能力表(i=6.3-35.5): (续前页) H series transmission capacity table(i=6.3-35.5):

H-10			H-11			H-12			H-13			H-14			H-15			i_N	n_{2N} (r/min)	n_1 (r/min)
T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)			
					1383						2143						3564		238	1500
			55.5	6.246	924				86	6.410	1432				143	6.449	2381	6.3	159	1000
					692						1072						1782		119	750
					1226						1900						3159		211	1500
			55.5	6.900	819				86	7.100	1270				143	7.120	2111	7.1	141	1000
					616						955						1587		106	750
		778			1093			1358			1693			2106			2815		188	1500
39.5	7.848	517	55.5	7.644	726	69	7.941	903	86	7.889	1126	107	7.944	1401	143	7.882	1872	8.0	125	1000
		389			546			679			846			1053			1408		94	750
		691			971			1207			1504			1871			2501		167	1500
39.5	9.085	459	55.5	8.974	645	69	8.772	802	86	8.799	1000	107	8.800	1244	143	8.758	1662	9	111	1000
		343			482			600			747			930			1243		83	750
		620			872			1084			1351			1681			2246		150	1500
39.5	10.053	414	55.5	10.046	581	69	9.718	723	86	9.861	901	107	9.778	1120	143	9.774	1497	10	100	1000
		310			436			542			675			840			1123		75	750
		554			779			968			1207			1501			2006		134	1500
39.5	11.163	368	55.5	10.889	517	69	11.410	643	86	10.811	801	107	10.906	997	143	10.967	1333	11.2	89	1000
		277			389			484			603			751			1003		67	750
		496			697			867			1081			1345			1797		120	1500
39.5	12.452	331	55.5	12.174	465	69	12.773	578	86	12.655	720	107	12.222	896	143	12.139	1198	12.5	80	1000
		248			349			434			540			672			898		60	750
		443			622			773			964			1199			1602		107	1500
39.5	13.964	294	55.5	13.704	413	69	13.844	513	86	14.164	639	107	13.399	795	143	13.708	1063	14	71	1000
		223			314			390			486			605			809		54	750
		389			546			679			846			1053			1408		94	1500
39.5	15.765	261	55.5	15.556	366	69	15.478	455	86	15.975	567	107	15.685	706	143	15.389	943	16	63	1000
		194			273			340			423			527			704		47	750
		343			482			600			747			930			1243		83	1500
39.5	17.743	232	55.5	17.111	325	69	17.423	405	86	17.280	504	107	17.556	627	143	17.424	839	18	56	1000
		174			244			303			378			471			629		42	750
		310			436			542			675			840			1123		75	1500
39.5	20.012	207	55.5	19.074	291	69	19.778	361	86	19.515	450	107	19.800	560	143	20.297	749	20	50	1000
		157			221			275			342			426			569		38	750
		277			382			484			617			751			1073		67	1500
39.5	22.824	186	54.5	21.491	257	69	21.756	325	88	22.020	415	107	21.418	504	153	21.374	721	22.4	45	1000
		136			188			238			304			370			529		33	750
		248			377			434			553			672			961		60	1500
39.5	24.212	165	60	24.706	251	69	24.251	289	88	25.372	369	107	24.187	448	153	24.716	641	25	40	1000
		124			188			217			276			336			481		30	750
		220			339			383			498			616			865		54	1500
38.9	27.451	147	60	28.602	226	67.8	27.325	256	88	29.373	332	109	27.292	411	153	27.304	577	28	36	1000
		110			170			192			249			308			433		27	750
		216			302			377			442			548			769		48	1500
43	31.894	144	60	31.648	201	75	31.412	251	88	32.501	295	109	31.447	365	153	30.248	513	31.5	32	1000
		108			151			188			221			274			385		24	750
		189			264			330			387			479			673		42	1500
43	36.593	126	60	35.144	176	75	36.366	220	88	36.092	258	109	36.406	320	153	35.514	449	35.5	28	1000
		95			132			165			194			240			336		21	750

注：▭卧式安装齿轮箱要求采用强制润滑。 Note: ▭ Forced lubrication required on horizontal gear units.



n_1 (r/min)	n_{2N} (r/min)	i_N	H-16			H-17			H-18			H-19			H-20			H-21		
			T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)
1500	238	6.3				195	6.154	4860				292	6.410						6.500	
1000	159							3247						4862						
750	119							2430						3639						
1500	211	7.1	160	7.316	3535	195	7.125	4308	230	7.147	5082	292	7.100		335	7.312		410	7.200	
1000	141				2362			2879			3396			4311			4946			
750	106				1776			2164			2553			3241			3718			4551
1500	188	8.0	160	8.076	3150	195	7.884	3839	230	8.274	4528	292	7.889		335	8.100		410	8.000	
1000	125				2094			2552			3010			3822			4385			5366
750	94				1575			1919			2264			2874			3297			4036
1500	167	9	160	8.941	2798	195	8.755	3410	230	9.155	4022	292	8.799		335	9.000		410	8.923	
1000	111				1860			2266			2673			3394			3894			4765
750	83				1391			1695			1999			2538			2912			3563
1500	150	10	160	9.935	2513	195	9.765	3063	230	10.167	3613	292	9.788		335	10.038		410	9.926	
1000	100				1675			2042			2408			3058			3508			4293
750	75				1257			1531			1806			2293			2631			3220
1500	134	11.2	160	11.087	2245	195	10.951	2736	230	11.340	3227	292	10.887		335	11.167		410	11.040	
1000	89				1491			1817			2143			2721			3122			3821
750	67				123			1368			1614			2049			2350			2876
1500	120	12.5	160	12.440	2010	195	12.432	2450	230	12.717	2890	292	12.176	3669	335	12.420		410	12.348	
1000	80				1340			1634			1927			2446			2806			3435
750	60				1005			1225			1445			1835			2105			2576
1500	107	14	160	13.769	1793	195	13.914	2185	230	14.438	2577	292	13.712	3272	335	13.891	3753	410	13.905	
1000	71				190			1450			1710			2171			2491			3048
750	54				905			1103			1301			1651			1894			2318
1500	94	16	160	15.550	1575	195	15.694	1919	230	16.159	2264	292	15.570	2874	335	15.643	3297	410	15.789	
1000	63				1055			1286			1517			1926			2210			2705
750	47				787			960			132			1437			1649			2018
1500	83	18	160	17.457	1391	195	17.899	1695	230	18.225	1999	292	18.061	2538	335	17.763	2912	410	18.316	
1000	56				938			1143			1349			1712			1964			2404
750	42				704			858			1012			1284			1473			1803
1500	75	20	160	19.765	1257	195	18.988	1531	230	20.786	1806	292	20.117	2293	335	20.605	2631	410	20.400	
1000	50				838			1021			1204			1529			1754			2147
750	38				637			776			915			1162			1333			1631
1500	67	22.4	160	23.024	123	200	20.930	1403	230	22.050	1614	300	21.782	2105	335	22.950	2350	420	22.368	2947
1000	45				754			942			1084			1414			1579			1979
750	33				553			691			795			1037			158			1451
1500	60	25	173	24.245	1087	200	24.202	1257	240	24.306	1508	300	25.283	1885	345	24.850	2168	420	25.837	2639
1000	40				725			838			1005			1257			1445			1759
750	30				543			628			754			942			1084			1319
1500	54	28	173	28.036	978	200	26.736	1131	240	28.106	1357	300	28.006	1696	345	28.844	1951	420	28.523	2375
1000	36				652			754			905			1131			1301			1583
750	27				489			565			679			848			975			1187
1500	48	31.5	173	30.971	870	200	29.619	1005	240	31.048	1206	300	31.117	1508	345	31.950	1734	420	31.579	2111
1000	32				580			670			804			1005			156			1407
750	24				435			503			603			754			867			1055
1500	42	35.5	173	34.311	761	200	34.776	880	240	34.397	1055	300	34.708	1319	345	35.500	1517	420	35.088	1847
1000	28				507			586			704			880			1012			1231
750	21				308			440			528			660			759			924

注：□卧式安装齿轮箱要求采用强制润滑。

Note: □ Forced lubrication required on horizontal gear units.

H2
H3

H系列传动能力表(i=6.3-35.5): (续前页) H series transmission capacity table(i=6.3-35.5):

H-22			H-23			H-24			H-25			H-26			i_N	n_{2N} (r/min)	n_1 (r/min)
T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)			
																238	1500
				6.306						6.280					6.3	159	1000
																119	750
																211	1500
	7.265			7.038			7.059			6.915			7.232		7.1	141	1000
																106	750
																188	1500
458	8.047			7.882			7.878			7.635			7.963		8.0	125	1000
		4508														94	750
																167	1500
458	8.941	5323	540	8.868			8.824			8.915			8.792		9	111	1000
		3981			4693											83	750
																150	1500
458	9.973	4796	540	9.780		620	9.926			9.939			10.266		10	100	1000
		3597			4241			4869								75	750
																134	1500
458	11.094	4268	540	10.878	5032	620	10.948		780	11.141			11.445		11.2	89	1000
		3213			3788			4350								67	750
																120	1500
458	12.339	3837	540	12.166	4524	620	12.176		780	12.571		880	12.829		12.5	80	1000
		2877			3393			3895			4900					60	750
																107	1500
458	13.801	3405	540	13.700	4015	620	13.619	4609	780	13.394		880	14.476		14	71	1000
		2590			3053			3506			4410			4976		54	750
																94	1500
458	15.541	3021	540	15.557	3562	620	15.336	4090	780	15.314	5146	880	15.424		16	63	1000
		2254			2658			3051			3839			4331		47	750
																83	1500
458	17.647	2686	540	17.839	3166	620	17.415	3636	780	17.082	4574	880	17.634	5160	18	56	1000
		2014			2375			2727			3430			3870		42	750
																75	1500
458	20.471	2398	540	19.312	2827	620	19.969	3246	780	19.218	4084	880	19.671	4607	20	50	1000
		1822			2149			2467			3104			3502		38	750
					3929											67	1500
458	22.800	2158	560	22.039	2639	620	21.618	2921	800	21.108	3770	880	22.129	4147	22.4	45	1000
		1583			1935			2142			2764			3041		33	750
		2953			3518			4021			5026					60	1500
470	25.000	1969	560	25.457	2346	640	24.671	2681	800	24.322	3351	900	24.306	3770	25	40	1000
		1476			1759			2010			2513			2827		30	750
		2658			3166			3619			4524			5089		54	1500
470	28.877	1772	560	28.103	2111	640	28.497	2413	800	28.157	3016	900	28.007	3393	28	36	1000
		1329			1583			1809			2262			2545		27	750
		2362			2815			3217			4021			4524		48	1500
470	31.879	1575	560	31.115	1876	640	31.459	2145	800	31.156	2681	900	32.424	3016	31.5	32	1000
		181			1407			1608			2010			2262		24	750
		2067			2463			2815			3518			3958		42	1500
470	35.294	1378	560	34.572	1642	640	34.830	1876	800	34.598	2346	900	35.876	2639	35.5	28	1000
		1034			1231			1407			1759			1979		21	750

注：□卧式安装齿轮箱要求采用强制润滑。 Note: □ Forced lubrication required on horizontal gear units.

H2
H3



H系列传动能力表(i=40-450):

H series transmission capacity table(i=40-450):

n_1 (r/min)	n_{2N} (r/min)	i_N	H-5			H-6			H-7			H-8			H-9		
			T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)
1500	38	40	11	39.508	44	14.5	38.622	58	20.5	39.292	82	25.5	39.633	101	34	40.474	135
1000	25				29			38			54			67			89
750	18.8				22			29			40			50			67
1500	33	45	11	43.745	38	14.5	42.360	50	20.5	43.221	71	25.5	43.236	88	34	44.816	117
1000	22				25			33			47			59			78
750	16.7				19			25			36			45			59
1500	30	50	11	48.689	35	14.5	48.967	46	20.5	50.293	64	25.5	49.542	80	34	49.881	107
1000	20				23			30			43			53			71
750	15				17			23			32			40			53
1500	27	56	11	54.532	31	14.5	54.220	41	20.5	56.033	58	25.5	54.496	72	34	55.866	96
1000	17.9				21			27			38			48			64
750	13.4				15			20			29			36			48
1500	24	63	11	61.543	28	14.5	60.347	36	20.5	62.867	52	25.5	63.413	64	34	63.049	85
1000	15.9				18			24			34			42			57
750	11.9				14			18			26			32			42
1500	21	71	11	69.742	24	14.5	67.589	32	20.5	71.139	45	25.5	70.651	56	34	70.787	75
1000	14.1				16			21			30			38			50
750	10.6				12			16			23			28			38
1500	18.8	80	11	78.723	22	14.5	76.279	29	20.5	78.583	40	25.5	79.267	50	34	79.049	67
1000	12.5				14			19			27			33			45
750	9.4				11			14			20			25			33
1500	16.7	90	11	86.806	19	14.5	86.440	25	20	89.061	35	25.5	89.696	45	33.5	89.050	59
1000	11.1				13			17			23			30			39
750	8.3				10			13			17			22			29
1500	15	100				14.5	97.572	23	20.5	101.554	32	25.5	99.083	40	34	101.210	53
1000	10							15			21			27			36
750	7.5							11			16			20			27
1500	13.4	112				14.1	107.590	20	20.5	115.256	29	25.2	112.294	35	34	115.290	48
1000	8.9							13			19			23			32
750	6.7							10			14			18			24
1500	12	125							20.5	125.733	26	25.5	128.046	32	34	126.098	43
1000	8										17			21			28
750	6										13			16			21
1500	10.7	140							20.5	143.985	23	25.5	145.322	29	34	138.301	38
1000	7.1										15			19			25
750	5.4										12			14			19
1500	9.4	160							20.5	158.251	20	25.5	158.533	25	34	159.874	33
1000	6.3										14			17			22
750	4.7										10			13			17
1500	8.3	180							20.5	174.630	18	25.5	181.546	22	34	177.022	30
1000	5.6										12			15			20
750	4.2										9.0			11			15
1500	7.5	200							20.5	193.629	16	25.5	199.533	20	34	197.028	27
1000	5										11			13			18
750	3.8										8.2			10			14
1500	6.7	224							20.5	228.606	14	25.5	220.185	18	34	220.671	24
1000	4.5										10			12			16
750	3.3										7.1			8.8			12
1500	6	250							20.5	257.753	13	25.5	244.141	16	34	249.043	21
1000	4										8.6			11			14
750	3										6.4			8.0			11
1500	5.4	280							20.5	288.615	12	25.5	288.242	14	34	282.219	19
1000	3.6										7.7			9.6			13
750	2.7										5.8			7.2			10
1500	4.8	315							20.5	305.352	10.3	25.5	324.993	13	34	318.563	17
1000	3.2										7			8.5			11
750	2.4										5.2			6.4			8.5
1500	4.2	355							19.6	344.112	8.6	25.5	363.906	11	33	351.273	15
1000	2.8										5.7			7.5			9.7
750	2.1										4.3			5.6			7.3
1500	3.8	400										25.5	385.010	10.1			
1000	2.5													6.7			
750	1.9													5.1			
1500	3.3	450										24.8	433.881	8.6			
1000	2.2													5.7			
750	1.7													4.4			

H3
H4

H系列传动能力表(i=40-450): (续前页) H series transmission capacity table(i=40-450):

H-10			H-11			H-12			H-13			H-14			H-15			i_N	n_{2N} (r/min)	n_1 (r/min)
T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)			
43	40.024	171	60	39.200	239	75	40.238	298	88	40.257	350	109	40.283	434	153	39.756	609	40	38	1500
		113			157			196			230			285			401		25	1000
		85			118			148			173			215			301		18.8	750
43	43.897	149	60	43.210	207	75	44.683	259	88	45.147	304	109	44.733	377	153	43.090	529	45	33	1500
		99			138			173			203			251			352		22	1000
		75			105			131			154			191			268		16.7	750
43	50.744	135	60	47.911	188	75	49.840	236	88	50.968	276	109	49.896	342	153	48.175	481	50	30	1500
		90			126			157			184			228			320		20	1000
		68			94			118			138			171			240		15	750
43	56.187	122	60	56.566	170	75	54.938	212	88	57.365	249	109	55.957	308	153	54.229	433	56	27	1500
		81			112			141			165			204			287		17.9	1000
		60			84			105			123			153			215		13.4	750
43	62.537	108	60	63.778	151	75	60.916	188	88	64.699	221	109	63.171	274	153	61.557	385	63	24	1500
		72			100			125			147			181			255		15.9	1000
		54			75			93			110			136			191		11.9	750
43	70.041	95	60	71.414	132	75	71.919	165	88	73.789	194	109	71.100	240	153	67.713	336	71	21	1500
		63			89			111			130			161			226		14.1	1000
		48			67			83			98			121			170		10.6	750
43	79.046	85	60	80.111	118	75	81.089	148	88	78.278	173	109	80.190	215	153	75.481	301	80	18.8	1500
		56			79			98			115			143			200		12.5	1000
		42			59			74			87			107			151		9.4	750
43	88.748	75	60	85.146	105	75	90.798	131	88	88.750	154	109	91.457	191	153	85.046	268	90	16.7	1500
		50			70			87			102			127			178		11.1	1000
		37			52			65			76			95			133		8.3	750
43	99.106	68	60	103.639	94	75	101.856	118	88	103.114	138	109	97.020	171	153	97.768	240	100	15	1500
		45			63			79			92			114			160		10	1000
		34			47			59			69			86			120		7.5	750
42	111.645	59	60	112.450	84	75	108.257	105	88	118.306	123	109	110.000	153	153	113.186	215	112	13.4	1500
		39			56			70			82			102			143		8.9	1000
		29			42			53			62			76			107		6.7	750
43	126.890	54	60	127.556	75	75	131.769	94	88	129.398	111	109	127.803	137	153	125.238	192	125	12	1500
		36			50			63			74			91			128		8	1000
		27			38			47			55			68			96		6	750
43	144.542	48	60	139.152	67	75	142.973	84	88	141.920	99	109	146.633	122	153	139.074	171	140	10.7	1500
		32			45			56			65			81			114		7.1	1000
		24			34			42			50			62			87		5.4	750
43	158.093	42	60	159.444	59	75	162.178	74	88	164.058	87	109	160.380	107	153	155.125	151	160	9.4	1500
		28			40			49			58			72			101		6.3	1000
		21			30			37			43			54			75		4.7	750
43	173.392	37	60	175.389	52	75	176.921	65	88	181.654	76	109	175.901	95	153	170.993	133	180	8.3	1500
		25			35			44			52			64			90		5.6	1000
		19			26			33			39			48			67		4.2	750
43	200.439	34	60	204.089	47	75	202.722	59	88	202.184	69	109	203.339	86	153	189.597	120	200	7.5	1500
		23			31			39			46			57			80		5	1000
		17			24			30			35			43			61		3.8	750
43	221.938	30	60	227.382	42	75	222.994	53	88	226.446	62	109	225.149	76	153	223.845	107	224	6.7	1500
		20			28			35			41			51			72		4.5	1000
		15			21			26			30			38			53		3.3	750
43	247.020	27	60	255.111	38	75	259.484	47	88	255.560	55	109	250.594	68	153	252.385	96	250	6	1500
		18			25			31			37			46			64		4	1000
		14			19			24			28			34			48		3	750
43	276.663	24	60	288.678	34	75	289.100	42	88	286.925	50	109	280.665	62	153	282.605	87	280	5.4	1500
		16			23			28			33			41			58		3.6	1000
		12			17			21			25			31			43		2.7	750
43	312.234	22	60	318.889	30	75	324.356	38	88	320.413	44	109	316.751	55	153	317.021	77	315	4.8	1500
		14			20			25			29			37			51		3.2	1000
		11			15			19			22			27			38		2.4	750
43	353.827	19	59	361.407	26	75	367.034	33	88	360.951	39	109	355.625	48	140	336.946	62	355	4.2	1500
		13			17			22			26			32			41		2.8	1000
		9.5			13			16			19			24			31		2.1	750
43	399.393	17				75	405.444	30				109	397.131	43				400	3.8	1500
		11						20						29					2.5	1000
		8.6						15						22					1.9	750
41.6	440.402	14				74	459.504	26				109	447.376	38				450	3.3	1500
		9.6						17						25					2.2	1000
		7.4						13						19					1.7	750

HB
H3
H4



n_1 (r/min)	n_{2N} (r/min)	i_N	H-16			H-17			H-18			H-19			H-20		
			T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)
1500	38	40	173	40.284	688	200	38.929	796	240	40.385	955	300	38.897	1194	345	39.596	1373
1000	25				453			524			628			785			903
750	18.8				341			394			472			591			679
1500	33	45	173	45.096	598	200	42.194	691	240	45.208	829	300	42.642	1037	345	44.375	1192
1000	22				399			461			553			691			795
750	16.7				303			350			420			525			603
1500	30	50	173	48.878	543	200	47.174	628	240	49.000	754	300	49.917	942	345	48.648	1084
1000	20				362			419			503			628			723
750	15				272			314			377			471			542
1500	27	56	173	54.647	489	200	53.102	565	240	54.783	679	300	55.870	848	345	56.948	975
1000	17.9				324			375			450			562			647
750	13.4				243			281			337			421			484
1500	24	63	173	61.514	435	200	60.278	503	240	61.667	603	300	63.013	754	345	63.739	867
1000	15.9				288			333			400			499			574
750	11.9				216			249			299			374			430
1500	21	71	173	69.826	380	200	66.306	440	240	70.000	528	300	68.162	660	345	71.888	759
1000	14.1				255			295			354			443			509
750	10.6				192			222			266			333			383
1500	18.8	80	173	76.809	341	200	73.912	394	240	77.000	472	300	76.974	591	345	77.762	679
1000	12.5				226			262			314			393			452
750	9.4				170			197			236			295			340
1500	16.7	90	173	85.620	303	200	83.279	350	240	85.833	420	290	88.439	507	345	87.816	603
1000	11.1				201			232			279			337			401
750	8.3				150			174			209			252			300
1500	15	100	173	96.471	272	200	95.735	314	226	96.711	355	300	100.079	471	335	100.895	526
1000	10				181			209			237			314			351
750	7.5				136			157			177			236			263
1500	13.4	112	173	110.901	243	200	110.833	281	240	111.176	337	300	115.862	421	345	114.174	484
1000	8.9				161			186			224			280			322
750	6.7				121			140			168			210			242
1500	12	125	173	128.390	217	200	122.634	251	240	128.710	302	300	128.198	377	345	132.180	434
1000	8				145			168			201			251			289
750	6				109			126			151			188			217
1500	10.7	140	173	142.060	194	200	136.183	224	240	142.414	269	300	142.362	336	345	146.254	387
1000	7.1				129			149			178			223			256
750	5.4				98			113			136			170			195
1500	9.4	160	173	157.756	170	200	151.900	197	240	158.148	236	300	158.792	295	345	162.413	340
1000	6.3				114			132			158			198			228
750	4.7				85			98			118			148			170
1500	8.3	180	173	175.962	150	200	167.438	174	240	176.400	209	300	178.079	261	345	181.156	300
1000	5.6				101			117			141			176			202
750	4.2				76			88			106			132			152
1500	7.5	200	173	193.962	136	200	185.656	157	240	194.444	188	300	201.040	236	345	203.160	271
1000	5				91			105			126			157			181
750	3.8				69			80			95			119			137
1500	6.7	224	173	215.065	121	200	219.192	140	240	215.600	168	300	226.272	210	345	229.355	242
1000	4.5				82			94			113			141			163
750	3.3				60			69			83			104			119
1500	6	250	173	253.914	109	200	247.139	126	240	254.545	151	300	255.201	188	345	258.141	217
1000	4				72			84			101			126			145
750	3				54			63			75			94			108
1500	5.4	280	173	286.288	98	200	276.730	113	240	287.000	136	300	291.058	170	345	291.144	195
1000	3.6				65			75			90			113			130
750	2.7				49			57			68			85			98
1500	4.8	315	173	320.566	87	200	310.431	101	240	321.364	121	300	308.761	151	345	332.052	173
1000	3.2				58			67			80			101			116
750	2.4				43			50			60			75			87
1500	4.2	355	173	359.606	76	192	329.942	84	240	360.500	106	290	350.069	128	345	352.249	152
1000	2.8				51			56			70			85			101
750	2.1				38			42			53			64			76
1500	3.8	400	158	382.207	63				223	383.158	89				335	399.375	133
1000	2.5				41						58						88
750	1.9				31						44						67
1500	3.3	450															
1000	2.2																
750	1.7																

H3
H4

H系列传动能力表(i=40-450): (续前页) H series transmission capacity table(i=40-450):

H-21			H-22			H-23			H-24			H-25			H-26			i_N	n_{2N} (r/min)	n_1 (r/min)
T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)			
420	39.158	1671	470	39.216	1870	560	38.582	2228	640	38.700	2547	800	38.591	3183	900	39.840	3581	40	38	1500
		1099			1230			1466			1675			2094			2356		25	1000
		827			925			1102			1260			1575			1772		18.8	750
420	43.936	1451	470	43.765	1624	560	43.290	1935	640	43.189	2212	800	43.278	2764	900	44.438	3110	45	33	1500
		968			1083			1290			1474			1843			2073		22	1000
		734			822			979			1119			1399			1574		16.7	750
420	48.632	1319	470	49.105	1476	560	47.916	1759	640	48.459	2010	800	49.132	2513	900	49.835	2827	50	30	1500
		880			984			1173			1340			1675			1885		20	1000
		660			738			880			1005			1257			1414		15	750
420	54.920	1187	470	54.353	1329	560	54.112	1583	640	53.638	1809	800	54.990	2262	900	56.576	2545	56	27	1500
		787			881			1050			1200			1499			1687		17.9	1000
		589			659			786			898			1123			1263		13.4	750
420	61.654	1055	470	61.381	1181	560	60.747	1407	640	60.573	1608	800	62.021	2010	900	63.322	2262	63	24	1500
		699			783			932			1066			1332			1498		15.9	1000
		523			586			698			797			997			1121		11.9	750
420	69.806	924	470	68.908	1034	560	68.780	1231	640	68.001	1407	800	70.735	1759	900	71.418	1979	71	21	1500
		620			694			827			945			1181			1329		14.1	1000
		466			522			622			710			888			999		10.6	750
420	81.316	827	470	78.019	925	560	80.120	1102	640	76.992	1260	800	75.037	1575	900	81.452	1772	80	18.8	1500
		550			615			733			838			1047			1178		12.5	1000
		413			463			551			630			787			886		9.4	750
410	86.427	717	470	90.882	822	560	85.156	979	640	89.687	1119	800	85.076	1399	900	86.407	1574	90	16.7	1500
		477			546			651			744			930			1046		11.1	1000
		356			408			487			556			695			782		8.3	750
420	99.020	660	465	96.594	730	560	97.564	880	640	95.323	1005	800	100.783	1257	900	97.967	1414	100	15	1500
		440			487			586			670			838			942		10	1000
		330			365			440			503			628			707		7.5	750
420	109.386	589	470	110.670	659	560	107.778	786	640	109.214	898	800	111.637	1123	900	116.054	1263	112	13.4	1500
		391			438			522			596			746			839		8.9	1000
		295			330			393			449			561			631		6.7	750
420	121.182	528	470	122.255	591	560	119.400	704	640	120.647	804	800	124.041	1005	900	128.552	1131	125	12	1500
		352			394			469			536			670			754		8	1000
		264			295			352			402			503			565		6	750
420	142.279	471	470	135.439	527	560	140.186	627	640	133.657	717	800	138.354	896	900	142.835	1008	140	10.7	1500
		312			349			416			476			595			669		7.1	1000
		237			266			317			362			452			509		5.4	750
420	159.273	413	470	159.017	463	560	156.931	551	640	156.925	630	800	155.051	787	900	159.316	886	160	9.4	1500
		277			310			369			422			528			594		6.3	1000
		207			231			276			315			394			443		4.7	750
420	172.632	365	470	178.011	408	560	170.093	487	640	175.669	556	800	169.982	695	900	178.544	782	180	8.3	1500
		246			276			328			375			469			528		5.6	1000
		185			207			264			281			352			396		4.2	750
420	193.004	330	470	192.941	369	560	190.166	440	640	190.402	503	800	198.983	628	900	195.737	707	200	7.5	1500
		220			246			293			335			419			471		5	1000
		167			187			223			255			318			358		3.8	750
420	217.257	295	470	215.711	330	560	214.062	393	640	212.872	449	800	222.710	561	900	229.132	631	224	6.7	1500
		198			221			264			302			377			424		4.5	1000
		145			162			194			221			276			311		3.3	750
420	246.617	264	470	242.817	295	560	242.990	352	640	239.622	402	800	251.183	503	900	256.454	565	250	6	1500
		176			197			235			268			355			377		4	1000
		132			148			176			201			251			283		3	750
420	271.278	237	470	275.630	266	560	267.289	317	640	272.004	362	800	271.709	452	900	289.241	509	280	5.4	1500
		158			177			211			241			302			339		3.6	1000
		119			133			158			181			226			254		2.7	750
420	302.399	211	470	303.193	236	560	297.952	281	640	299.204	322	800	306.839	402	900	312.877	452	315	4.8	1500
		141			157			188			214			268			302		3.2	1000
		106			118			141			161			201			226		2.4	750
410	340.720	180	470	337.975	207	560	335.710	246	640	333.528	281	800	352.538	352	900	353.329	396	355	4.2	1500
		120			138			164			188			235			264		2.8	1000
		90			103			123			141			176			198		2.1	750
			465	380.805	185				640	375.794	255				900	405.953	358	400	3.8	1500
					122						168						236		2.5	1000
					93						127						179		1.9	750
																		450	3.3	1500
																			2.2	1000
																			1.7	750

H3
H4



B系列传动能力表(i=5-28):

B series transmission capacity table(i=5-28):

n_1 (r/min)	n_{2N} (r/min)	i_N	B-4			B-5			B-6			B-7			B-8			B-9		
			T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)
1500	300				182			295						559						880
1000	200	5	5.8	4.936	121	9.4	5.006	197				17.8	4.865	373				28	5.002	586
750	150				91			148						280						440
1500	268				163			264						500						786
1000	179	5.6	5.8	5.480	109	9.4	5.488	176				17.8	5.333	334				28	5.483	525
750	134				81			132						250						393
1500	238				145			234			299			444			556			698
1000	159	6.3	5.8	6.296	97	9.4	6.386	157	12	6.205	200	17.8	6.206	296	22.3	6.135	371	28	6.381	466
750	119				72			117			150			222			278			349
1500	211				128			208			265			393			493			619
1000	141	7.1	5.8	6.959	86	9.4	7.058	139	12	6.802	177	17.8	6.860	263	22.3	6.725	329	28	7.053	413
750	106				64			104			133			198			248			311
1500	188				114			185			236			350			439			551
1000	125	8	5.8	7.549	76	9.4	7.657	123	12	7.915	157	17.8	7.880	233	22.3	7.825	292	28	8.101	366
750	94				57			93			811			175			219			276
1500	167				101			164			210			311			390			490
1000	111	9	5.8	8.693	67	9.4	8.817	109	12	8.749	139	17.8	8.569	207	22.3	8.649	259	28	8.810	325
750	83				50			82			104			155			194			243
1500	150				91			148			188			280			350			440
1000	100	10	5.8	9.872	61	9.4	10.108	98	12	9.490	126	17.8	9.823	186	22.3	9.935	234	28	10.099	293
750	75				46			74			94			140			175			220
1500	134				81			132			168			250			313			393
1000	89	11.2	5.8	10.769	54	9.4	10.923	88	12	10.928	112	17.8	10.615	166	22.3	10.804	208	28	10.914	261
750	67				41			66			84			125			156			196
1500	120				69			118			151			214			280			352
1000	80	12.5	5.5	12.034	46	9.4	12.703	79	12	12.528	101	17.0	12.433	142	22.3	12.385	187	28	12.554	235
750	60				35			59			75			107			140			176
1500	107				67			110			134			204			250			331
1000	71	14	6	13.484	45	9.8	13.964	73	12	13.538	89	18.2	13.515	135	22.3	13.385	166	29.5	14.137	219
750	54				34			55			68			103			126			167
1500	94				61			100			118			188			212			305
1000	63	16	6.2	15.601	41	10.2	15.835	67	12	15.826	79	19.1	16.275	126	21.5	15.773	142	31	15.952	205
750	47				31			50			59			94			106			153
1500	83				56			92			110			172			201			282
1000	56	18	6.4	17.482	38	10.6	17.407	62	12.6	17.307	74	19.8	17.692	116	23.1	17.041	135	32.5	17.963	191
750	42				28			47			55			87			102			143
1500	75				52			86			104			161			188			267
1000	50	20	6.6	19.614	35	11	19.645	58	13.2	19.729	69	20.5	19.948	107	23.9	20.648	125	34	20.259	178
750	38				26			44			53			82			95			135
1500	67				46			77			97			144			174			239
1000	45	22.4	6.6	21.919	31	11	21.954	52	13.8	21.575	65	20.5	22.146	97	24.8	22.308	117	34	22.208	160
750	33				23			38			48			71			86			117
1500	60				41			69			91			129			160			214
1000	40	25	6.6	25.380	28	11	25.421	46	14.5	24.349	61	20.5	25.446	86	25.5	25.152	107	34	25.843	142
750	30				21			35			46			64			80			107
1500	54				37			62			82			116			144			192
1000	36	28	6.6	27.836	25	11	27.881	41	14.5	27.211	55	20.5	28.125	77	25.5	27.923	96	34	28.563	128
750	27				19			31			41			58			72			96

B2
B3

B系列传动能力表(i=5-28): (续前页) B series transmission capacity table(i=5-28):

B-10			B-11			B-12			B-13			B-14			B-15			i_N	n_{2N} (r/min)	n_1 (r/min)
T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)			
					1351						2073								300	1500
			43	4.897	901				66	4.967	1382				122	4.963	2555	5	200	1000
					675						1037						1916		150	750
					1263						1880								268	1500
			45	5.534	843				67	5.613	1256				122	5.609	2287	5.6	179	1000
					631						940						1712		134	750
		887			1171			1371			1769			2044					238	1500
35.6	6.271	593	47	6.296	783	55	6.226	916	71	6.386	1182	82	6.156	1365	130	6.340	2164	6.3	159	1000
		444			586			685			885			1022			1620		119	750
		787			1083			1259			1613			1856					211	1500
35.6	6.875	526	49	7.037	723	57	7.036	842	73	7.138	1078	84	6.957	1240	132	7.132	1949	7.1	141	1000
		395			544			633			810			932			1465		106	750
		701			994			1161			1516			1732			2598		188	1500
35.6	8.000	466	50.5	7.994	661	59	8.005	772	77	8.108	1008	88	7.915	1152	132	8.101	1728	8	125	1000
		350			497			581			758			866			1299		94	750
		623			883			1067			1364			1591			2309		167	1500
35.6	8.842	414	50.5	8.693	587	61	8.947	709	78	8.817	907	91	8.847	1058	132	8.810	1534	9	111	1000
		309			439			530			678			791			1147		83	750
		559			793			974			1225			1492			2073		150	1500
35.6	10.157	373	50.5	9.965	529	62	10.164	649	78	10.108	817	95	10.049	995	132	10.099	1382	10	100	1000
		280			397			487			613			746			1037		75	750
		500			709			870			1094			1368			1852		134	1500
35.6	11.045	332	50.5	10.769	471	62	11.052	578	78	10.923	727	97.5	10.928	909	132	10.914	1230	11.2	89	1000
		250			354			435			547			684			926		67	750
		447			635			779			980			1225			1659		120	1500
35.6	12.662	298	50.5	12.334	423	62	12.670	519	78	12.482	653	97.5	12.528	817	132	12.172	1106	12.5	80	1000
		224			317			390			490			613			829		60	750
		399			594			695			896			1092			1535		107	1500
35.6	13.683	265	53	13.821	394	62	13.692	461	80	13.721	595	97.5	13.538	725	137	13.810	1019	14	71	1000
		201			300			351			452			551			775		54	750
		350			551			610			817			960			1398		94	1500
35.6	15.693	235	56	15.522	369	62	15.888	409	83	16.354	548	97.5	15.552	643	142	15.215	937	16	63	1000
		175			276			305			408			480			699		47	750
		326			504			565			739			869			1286		83	1500
37.5	17.724	220	58	17.393	340	65	17.572	381	85	17.978	498	100	17.007	586	148	17.262	868	18	56	1000
		165			255			286			374			440			651		42	750
		309			471			534			691			809			1202		75	1500
39.3	19.940	206	60	19.744	314	68	19.995	356	88	20.276	461	103	20.376	539	153	19.379	801	20	50	1000
		156			239			271			350			410			609		38	750
		288			421			505			617			744			1073		67	1500
41	22.520	193	60	21.643	283	72	22.114	339	88	22.226	415	106	22.282	499	153	21.900	721	22.4	45	1000
		142			207			249			304			366			529		33	750
		270			377			471			553			685			961		60	1500
43	25.400	180	60	25.185	251	75	25.103	314	88	25.864	369	109	25.131	457	153	24.916	641	25	40	1000
		135			188			236			276			342			481		30	750
		243			339			424			498			616			865		54	1500
43	27.842	162	60	27.836	226	75	27.517	283	88	28.587	332	109	27.548	411	153	27.847	577	28	36	1000
		122			170			212			249			308			433		27	750

注：□卧式安装齿轮箱要求采用强制润滑。 Note: □ Forced lubrication required on horizontal gear units.

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n_1 (r/min)	n_{2N} (r/min)	i_N	B-16			B-17			B-18			B-19			B-20			B-21		
			T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)
1500	300	5																		
1000	200																			
750	150																			
1500	268	5.6	135	5.630		195	5.514													
1000	179																			
750	134				1894			2736												
1500	238	6.3	141	6.362		195	6.234													
1000	159				2348															
750	119				1757			2430												
1500	211	7.1	145	7.192		195	7.012		230	7.239										
1000	141				2141			2879												
750	106				1609			2164			2553									
1500	188	8	148	8.090		195	7.965		230	8.143										
1000	125				1937			2552												
750	94				1457			1919			2264									
1500	167	9	148	9.190	2588	195	8.662		230	9.250										
1000	111				1720			2266			2673									
750	83				1286			1695			1999									
1500	150	10	148	9.993	2325	195	9.930		230	10.059										
1000	100				1550			2042			2408									
750	75				1162			1531			1806									
1500	134	11.2	148	11.456	2077	195	10.731		230	11.531										
1000	89				1379			1817			2143									
750	67				1038			1368			1614									
1500	120	12.5	148	12.380	1860	195	12.770	2450	230	12.462		250	12.062					340	12.256	
1000	80				1240			1634			1927			2094						2848
750	60				930			1225			1445			1571						2136
1500	107	14	148	13.832	1658	195	13.790	2185	230	14.654	2577	262	13.709		295	13.698		360	13.902	
1000	71				1100			1450			1710			1948			2193			2676
750	54				837			1103			1301			1481			1668			2036
1500	94	16	154	15.665	1516	200	16.226	1969	230	16.014	2264	275	15.192		308	15.640		380	15.436	
1000	63				1016			1319			1517			1814			2032			2507
750	47				758			984			132			1353			1516			1870
1500	83	18	160	17.290	1391	200	17.522	1738	240	18.620	2086	288	17.267		320	17.252		400	17.510	
1000	56				938			1173			1407			1689			1876			2346
750	42				704			880			1055			1267			1407			1759
1500	75	20	167	19.581	1312	200	19.762	1571	240	20.348	1885	300	19.607		332	19.698		420	19.883	
1000	50				874			1047			1257			1571			1738			2199
750	38				665			796			955			1194			1321			1671
1500	67	22.4	173	21.982	1214	200	22.333	1403	240	22.950	1684	300	22.158	2105	345	22.368	2420	420	22.470	
1000	45				815			942			1311			1414			1626			1979
750	33				598			691			829			1037			1192			1451
1500	60	25	173	24.842	1087	200	25.409	1257	240	25.936	1508	300	25.048	1885	345	25.278	2168	420	25.400	
1000	40				725			838			1005			1257			1445			1759
750	30				543			628			754			942			1084			1319
1500	54	28	173	28.263	978	200	28.398	1131	240	29.507	1357	300	28.175	1696	345	28.576	1950	420	28.571	2375
1000	36				652			754			905			1131			1301			1583
750	27				489			565			679			848			975			1187

注：▭卧式安装齿轮箱要求采用强制润滑。

Note: ▭ Forced lubrication required on horizontal gear units.

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B系列传动能力表(i=5-28): (续前页)

B series transmission capacity table(i=5-28):

B-22			B-23			B-24			B-25			B-26			i_N	n_{2N} (r/min)	n_1 (r/min)
T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)			
															5	300	1500
																200	1000
																150	750
															5.6	268	1500
																179	1000
																134	750
															6.3	238	1500
																159	1000
																119	750
															7.1	211	1500
																141	1000
																106	750
															8	188	1500
																125	1000
																94	750
															9	167	1500
																111	1000
																83	750
															10	150	1500
																100	1000
																75	750
															11.2	134	1500
																89	1000
																67	750
															12.5	120	1500
																80	1000
																60	750
405	13.719														14	107	1500
																71	1000
		2299														54	750
422	15.538														16	94	1500
		2784														63	1000
		2077														47	750
438	17.279														18	83	1500
		2568														56	1000
		1926														42	750
455	19.570														20	75	1500
		2382	560	19.591	2932											50	1000
		1810			2228											38	750
470	22.222														22.4	67	1500
		2215	560	22.139	2639	640	21.930	3015	800	21.793						45	1000
		1624			1935			2212			2764					33	750
470	25.113														25	60	1500
		1969	560	25.027	2346	640	24.783	2681	800	24.635		900	25.095			40	1000
		1476			1759			2010			2513			2827		30	750
470	28.389														28	54	1500
		1772	560	28.151	2111	640	28.015	2413	800	27.711	3016	900	28.368			36	1000
		1329			1583			1809			2262			2545		27	750

注: ▭ 卧式安装齿轮箱要求采用强制润滑。

Note: ▭ Forced lubrication required on horizontal gear units.



B系列传动能力表(i=31.5-400):

B series transmission capacity table(i=31.5-400):

n_1 (r/min)	n_{2N} (r/min)	i_N	B-4			B-5			B-6			B-7			B-8			B-9		
			T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)
1500	48	31.5	6.6	30.196	33	11	30.245	55	14.5	31.508	73	20.5	30.509	103	25.5	32.084	128	34	30.985	171
1000	32				22			37			49			69			85			114
750	24				17			28			36			52			64			85
1500	42	35.5	6.6	34.771	29	11	34.827	48	14.5	34.557	64	20.5	35.131	90	25.5	35.461	112	34	35.679	150
1000	28				19			32			43			60			75			100
750	21				15			24			32			45			56			75
1500	38	40	6.6	39.487	26	11	39.551	44	14.5	37.486	58	20.5	39.896	82	25.5	38.468	101	34	40.902	135
1000	25				17			29			38			54			67			89
750	18.8				13			22			29			40			50			67
1500	33	45	6.6	43.077	23	11	43.146	38	14.5	43.166	50	20.5	43.523	71	25.5	44.296	88	34	44.202	117
1000	22				15			25			33			47			59			78
750	16.7				12			19			25			36			45			59
1500	30	50	6.6	49.060	21	11	49.139	35	14.5	49.021	46	20.5	49.568	64	25.5	50.304	80	34	50.341	107
1000	20				14			23			30			43			53			71
750	15				10.4			17			23			32			40			53
1500	27	56	6.6	55.152	19	11	55.240	31	14.5	53.477	41	20.5	55.723	58	25.5	54.877	72	34	56.592	96
1000	17.9				12			21			27			38			48			64
750	13.4				9.3			15			20			29			36			48
1500	24	63	6.6	60.808	17	11	60.906	28	14.5	60.904	36	20	61.438	50	25.5	62.499	64	34	62.396	85
1000	15.9				11			18			24			33			42			57
750	11.9				8.2			14			18			25			32			42
1500	21	71	6.6	69.293	14.5	11	69.404	24	14.5	68.467	32	20	70.011	44	25.5	70.259	56	34	71.102	75
1000	14.1				9.7			16			21			30			38			50
750	10.6				7.3			12			16			22			28			38
1500	18.8	80				11	77.598	22	14	75.489	28	20.5	79.267	40	25.2	77.465	50	34	79.497	67
1000	12.5							14			18			27			33			45
750	9.4							11			14			20			25			33
1500	16.7	90				11	86.720	19	14	86.022	24	20.5	88.585	36	25.2	88.274	44	34	88.842	59
1000	11.1							13			16			24			29			40
750	8.3							9.6			12			18			22			30
1500	15	100				11	100.413	17.3	14.5	96.178	23	20.5	102.572	32	25.5	99.945	40	34	102.869	53
1000	10							12			15			21			27			36
750	7.5							8.6			11.4			16			20			27
1500	13.4	112				11	110.130	15	14.5	107.484	20	20.5	112.498	29	25.5	111.694	36	34	112.824	48
1000	8.9							10.3			13.5			19			24			32
750	6.7							7.7			10			14			18			24
1500	12	125				11	119.446	14	14.5	124.455	18	20.5	122.035	26	25.5	129.330	32	34	122.389	43
1000	8							9.2			12			17			21			28
750	6							6.9			9.1			13			16			21
1500	10.7	140				11	137.567	12	14.5	136.499	16.2	20.5	140.525	23	25.5	141.846	29	34	140.933	38
1000	7.1							8.2			11			15			19			25
750	5.4							6.2			8.2			12			14.4			19
1500	9.4	160				11	156.225	11	14.5	148.071	14.3	20.5	159.585	20	25.5	153.871	25	34	160.047	33
1000	6.3							7.3			9.6			14			17			22
750	4.7							5.4			7.1			10			13			17
1500	8.3	180				11	170.427	9.6	14.5	170.506	13	20.5	174.092	18	25.5	177.184	22	34	174.597	30
1000	5.6							6.5			8.5			12			15			20
750	4.2							4.8			6.4			9.0			11.2			15
1500	7.5	200				11	194.098	8.6	14.5	193.631	11.4	20.5	198.272	16	25.5	201.215	20	34	198.847	27
1000	5							5.8			7.6			11			13.4			18
750	3.8							4.4			5.8			8.2			10			14
1500	6.7	224				11	218.199	7.7	14.5	211.234	10	20.5	222.891	14.4	25.5	219.508	18	34	223.537	24
1000	4.5							5.2			6.8			9.7			12			16
750	3.3							3.8			5.0			7.1			9			12
1500	6	250				11	240.578	6.9	14.5	240.572	9.1	20.5	245.752	13	25.5	249.995	16	34	246.464	21
1000	4							4.6			6.1			8.6			11			14
750	3							3.5			4.6			6.4			8.0			11
1500	5.4	280				11	274.147	6.2	14.5	270.443	8.2	20.5	280.042	12	25.5	281.036	14.4	34	280.855	19
1000	3.6							4.1			5.5			7.7			9.6			13
750	2.7							3.1			4.1			5.8			7.2			10
1500	4.8	315				11	302.121	5.5	14.5	298.181	7.3	20.5	308.618	10.3	25.5	309.861	13	34	309.513	17
1000	3.2							3.7			4.9			6.9			8.5			11
750	2.4							2.8			3.6			5.2			6.4			8.5
1500	4.2	355							14.5	339.788	6.4				25.5	353.097	11.2			
1000	2.8										4.3						7.5			
750	2.1										3.2						5.6			
1500	3.8	400							14.5	374.460	5.8				25.5	389.127	10			
1000	2.5										3.8						6.7			
750	1.5										2.9						5.1			

B系列传动能力表(i=31.5-400): (续前页) B series transmission capacity table(i=31.5-400):

B-10			B-11			B-12			B-13			B-14			B-15			i_N	n_{2N} (r/min)	n_1 (r/min)
T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)			
43	32.400	216	60	31.975	302	75	32.021	377	88	32.838	442	109	32.057	548	153	31.634	769	31.5	48	1500
		144			201			251			295			365			513		32	1000
		108			151			188			221			274			385		24	750
43	35.811	189	60	34.771	264	75	35.392	330	88	35.709	387	109	35.432	479	153	34.400	673	35.5	42	1500
		126			176			220			258			320			449		28	1000
		95			132			165			194			240			336		21	750
43	38.846	171	60	39.861	239	75	40.654	298	88	40.936	350	109	40.700	434	153	39.435	609	40	38	1500
		113			157			196			230			285			401		25	1000
		85			118			148			173			215			301		18.8	750
43	44.732	149	60	43.077	207	75	44.209	259	88	44.238	304	109	44..259	377	153	42.617	529	45	33	1500
		99			138			173			203			251			352		22	1000
		75			105			131			154			191			268		16.7	750
43	51.280	135	60	49.060	188	75	50.681	236	88	50.383	276	109	50.737	342	153	48.536	481	50	30	1500
		90			126			157			184			228			320		20	1000
		68			94			118			138			171			240		15	750
43	55.417	122	60	55.152	170	75	54.769	212	88	56.639	249	109	54.831	308	153	54.562	433	56	27	1500
		81			112			141			165			204			287		17.9	1000
		60			84			105			123			153			215		13.4	750
43	63.114	108	60	60.808	151	75	62.376	188	88	62.448	221	109	62.446	274	153	60.158	385	63	24	1500
		72			100			125			147			181			255		15.9	1000
		54			75			93			110			136			191		11.9	750
43	70.951	95	60	69.293	132	75	70.121	165	88	71.161	194	109	70.200	240	153	68.553	336	71	21	1500
		63			89			111			130			161			226		14.1	1000
		48			67			83			98			121			170		10.6	750
43	78.228	85	60	80.949	118	75	77.313	148	88	82.118	173	109	77.400	215	153	78.131	301	80	18.8	1500
		56			79			98			115			143			200		12.5	1000
		42			59			74			87			107			151		9.4	750
43	89.143	75	60	89.869	105	75	88.101	131	88	90.016	154	109	88.200	191	153	85.645	268	90	16.7	1500
		50			70			87			102			127			178		11.1	1000
		37			52			65			76			95			133		8.3	750
43	99.667	68	60	103.259	94	75	102.921	118	88	104.750	138	109	101.780	171	153	99.664	240	100	15	1500
		45			63			79			92			114			160		10	1000
		34			47			59			69			86			120		7.5	750
43	111.384	60	60	114.129	84	75	114.262	105	88	115.777	123	109	111.569	153	153	110.155	215	112	13.4	1500
		40			56			70			82			102			143		8.9	1000
		30			42			53			62			76			107		6.7	750
43	128.971	54	60	123.804	75	75	131.287	94	88	125.592	111	109	129.831	137	153	126.535	192	125	12	1500
		36			50			63			74			91			128		8	1000
		27			38			47			55			68			96		6	750
43	141.452	48	60	142.562	67	75	145.106	84	88	144.621	99	109	143.498	122	153	137.599	171	140	10.7	1500
		32			45			56			65			81			114		7.1	1000
		24			34			42			50			62			87		5.4	750
43	153.443	42	60	161.897	59	75	157.408	74	88	165.791	87	109	155.663	107	153	157.741	151	160	9.4	1500
		28			40			49			58			72			101		6.3	1000
		21			30			37			43			54			75		4.7	750
43	176.692	37	60	176.615	52	75	181.258	65	88	179.166	76	109	179.248	95	153	170.467	133	180	8.3	1500
		25			35			44			52			64			90		5.6	1000
		19			26			33			39			48			67		4.2	750
43	200.656	34	60	201.145	47	75	205.841	59	88	204.050	69	109	205.487	86	153	194.143	120	200	7.5	1500
		23			31			39			46			57			80		5	1000
		17			24			30			35			43			61		3.8	750
43	218.898	30	60	226.121	42	75	224.554	53	88	229.386	62	109	222.065	76	153	218.249	107	224	6.7	1500
		20			28			35			41			51			72		4.5	1000
		15			21			26			30			38			53		3.3	750
43	249.300	27	60	249.313	38	75	255.742	47	88	252.913	55	109	252.907	68	153	240.634	96	250	6	1500
		18			25			31			37			46			64		4	1000
		14			19			24			28			34			48		3	750
43	280.256	24	60	284.101	34	75	287.497	42	88	288.204	50	109	284.310	62	153	274.210	87	280	5.4	1500
		16			23			28			33			41			58		3.6	1000
		12			17			21			25			31			43		2.7	750
43	309.000	22	60	313.091	30	75	316.984	38	88	317.612	44	109	313.470	55	153	302.191	77	315	4.8	1500
		14			20			25			29			37			51		3.2	1000
		11			15.1			19			22			27			38		2.4	750
43	352.116	19				75	361.214	33				109	357.210	48				355	4.2	1500
		13						22						32					2.8	1000
		9.5						16						24					2.1	750
43	388.046	17				75	398.073	30				109	393.660	43				400	3.8	1500
		11.3						20						29					2.5	1000
		8.6						15						22					1.5	750



n_1 (r/min)	n_{2N} (r/min)	i_N	B-16			B-17			B-18			B-19			B-20			B-21		
			T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)
1500	48	31.5	173	31.588	870	200	32.259	1005	240	32.979	1206	300	32.005	1508	345	32.143	1734	420	32.456	2111
1000	32				580			670			804			1005			1156			1407
750	24				435			503			603			754			867			1055
1500	42	35.5	173	35.883	761	200	35.080	880	240	37.463	1055	300	34.804	1319	345	36.513	1517	420	35.294	1847
1000	28				507			586			704			880			1012			1231
750	21				380			440			528			660			759			924
1500	38	40	173	39.021	688	200	40.215	796	240	40.738	955	300	39.899	1194	345	39.706	1373	420	40.461	1671
1000	25				453			524			628			785			903			1099
750	18.8				341			394			472			591			679			827
1500	33	45	173	44.732	598	200	43.460	691	240	46.702	829	300	43.117	1037	345	45.518	1192	420	43.725	1451
1000	22				399			461			553			691			795			968
750	16.7				303			350			420			525			603			734
1500	30	50	173	48.341	543	200	49.496	628	240	50.469	754	300	49.106	942	345	49.190	1083	420	49.798	1319
1000	20				362			419			503			628			723			880
750	15				272			314			377			471			542			660
1500	27	56	173	55.055	489	200	55.641	565	240	57.479	679	300	55.203	848	345	56.022	975	420	55.981	1187
1000	17.9				324			375			450			562			647			787
750	13.4				243			281			337			421			484			589
1500	24	63	173	61.892	435	200	61.348	503	240	64.616	603	300	60.865	754	345	62.978	867	420	61.722	1055
1000	15.9				288			333			400			499			574			699
750	11.9				216			249			299			374			430			523
1500	21	71	173	68.239	380	200	69.909	440	240	71.243	528	300	69.358	660	345	69.438	759	420	70.335	924
1000	14.1				255			295			354			443			509			620
750	10.6				192			222			266			333			383			466
1500	18.8	80	173	77.761	341	200	76.506	394	240	81.184	472	300	79.977	591	345	79.127	679	420	77.639	827
1000	12.5				226			262			314			393			452			550
750	9.4				170			197			236			295			340			413
1500	16.7	90	173	88.626	303	200	83.865	350	240	88.846	420	300	87.670	525	345	91.242	603	420	87.739	734
1000	11.1				201			232			279			349			401			488
750	8.3				150			174			209			261			300			365
1500	15	100	173	97.150	272	200	97.593	314	240	97.391	377	300	102.020	471	345	100.017	542	420	99.821	660
1000	10				181			209			251			314			361			440
750	7.5				136			157			188			236			271			330
1500	13.4	112	173	113.052	243	200	107.865	281	240	13.333	337	300	112.759	421	345	116.389	484	420	111.565	589
1000	8.9				161			186			224			280			322			391
750	6.7				121			140			168			210			242			295
1500	12	125	173	124.952	217	200	123.904	251	240	125.263	302	300	129.526	377	345	128.641	434	420	126.733	528
1000	8				145			168			201			251			289			352
750	6				109			126			151			188			217			264
1500	10.7	140	173	143.532	194	200	134.739	224	240	143.889	269	300	140.851	336	345	147.769	387	420	137.815	471
1000	7.1				129			149			178			223			256			312
750	5.4				98			113			136			170			195			237
1500	9.4	160	173	156.082	170	200	154.462	197	240	156.471	236	300	161.470	295	345	160.690	340	420	157.989	413
1000	6.3				114			132			158			198			228			277
750	4.7				85			98			118			148			170			207
1500	8.3	180	173	178.930	150	200	166.923	174	240	179.375	209	300	174.496	261	345	184.212	300	420	170.735	365
1000	5.6				101			117			141			176			202			246
750	4.2				76			88			106			132			152			185
1500	7.5	200	173	193.365	136	200	190.107	157	240	193.846	188	300	198.732	236	345	199.073	271	420	194.448	330
1000	5				91			105			126			157			181			220
750	3.8				69			80			95			119			137			167
1500	6.7	224	173	220.222	121	200	213.712	140	240	220.769	168	300	223.408	210	345	226.722	242	420	218.592	295
1000	4.5				82			94			113			141			163			198
750	3.3				60			69			83			104			119			145
1500	6	250	173	247.566	109	200	235.631	126	240	248.182	151	300	246.322	188	345	254.874	217	420	241.012	264
1000	4				72			84			101			126			145			176
750	3				54			63			75			94			108			132
1500	5.4	280	173	272.957	98	200	268.510	113	240	273.636	136	300	280.692	170	345	281.015	195	420	274.641	237
1000	3.6				65			75			90			113			130			158
750	2.7				49			57			68			85			98			119
1500	4.8	315	173	311.045	87	200	295.909	101	240	311.818	121	300	309.334	151	345	320.226	173	420	302.666	211
1000	3.2				58			67			80			101			116			141
750	2.4				43			50			60			75			87			106
1500	4.2	355	173	342.784	76				240	343.636	106				345	352.902	152			
1000	2.8				51						70						101			
750	2.1				38						53						76			
1500	3.8	400																		
1000	2.5																			
750	1.5																			

注：□卧式安装齿轮箱要求采用强制润滑。

Note: □ Forced lubrication required on horizontal gear units.

B系列传动能力表(i=31.5-400): (续前页) B series transmission capacity table(i=31.5-400):

B-22			B-23			B-24			B-25			B-26			i_N	n_{2N} (r/min)	n_1 (r/min)
T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)			
																48	1500
470	31.933	1575	560	31.979	1876	640	31.513	2145	800	31.478	2681	900	31.909	3016	31.5	32	1000
		181			1407			1608			2010			2262		24	750
		2067			2463			2815								42	1500
470	36.275	1378	560	34.775	1642	640	35.797	1876	800	34.231	2346	900	36.248	2639	35.5	28	1000
		1034			1231			1407			1759			1979		21	750
		1870			2228			2597								38	1500
470	39.446	1230	560	39.866	1466	640	38.927	1675	800	39.241	2094	900	39.417	2356	40	25	1000
		925			1102			1260			1575			1772		18.8	750
		1624			1935			2212			2764					33	1500
470	45.221	1083	560	43.082	1290	640	44.626	1474	800	42.407	1843	900	45.187	2073	45	22	1000
		822			979			1119			1399			1574		16.7	750
		1476			1759			2010			2513			2827		30	1500
470	48.869	984	560	49.065	1173	640	48.226	1340	800	48.297	1675	900	48.833	1885	50	20	1000
		738			880			1005			1257			1414		15	750
		1329			1583			1809			2262			2545		27	1500
470	55.656	881	560	55.158	1050	640	54.924	1200	800	54.294	1499	900	55.615	1687	56	17.9	1000
		659			786			898			1123			1263		13.4	750
		1181			1407			1608			2010			2262		24	1500
470	62.567	783	560	60.815	932	640	61.744	1066	800	59.863	1332	900	62.520	1498	63	15.9	1000
		586			698			797			997			1121		11.9	750
		1034			1231			1407			1759			1979		21	1500
470	68.984	694	560	69.301	827	640	68.076	945	800	68.216	1181	900	68.933	1329	71	14.1	1000
		522			622			710			888			999		10.6	750
		925			1102			1260			1575			1772		18.8	1500
470	78.610	615	560	76.497	733	640	77.575	838	800	78.100	1047	900	78.551	1178	80	12.5	1000
		463			551			630			787			886		9.4	750
		822			979			1119			1399			1574		16.7	1500
470	86.772	546	560	86.448	651	640	85.631	744	800	88.260	930	900	89.933	1046	90	11.1	1000
		408			487			556			695			782		8.3	750
		738			880			1005			1257			1414		15	1500
470	98.061	492	560	98.353	586	640	96.770	670	800	100.414	838	900	101.633	942	100	10	1000
		369			440			503			628			707		7.5	750
		659			786			898			1123			1263		13.4	1500
470	111.565	438	560	109.924	522	640	110.097	596	800	112.228	746	900	115.629	839	112	8.9	1000
		330			393			449			561			631		6.7	750
		591			704			804			1005			1131		12	1500
470	124.690	394	560	124.870	469	640	123.049	536	800	127.487	670	900	129.232	754	125	8	1000
		295			352			402			503			565		6	750
		527			627			717			896			1008		10.7	1500
470	141.643	349	560	135.788	416	640	139.780	476	800	138.634	595	900	146.803	669	140	7.1	1000
		266			317			362			452			509		5.4	750
		463			551			630			787			886		9.4	1500
470	154.029	310	560	155.665	369	640	152.002	422	800	158.928	528	900	159.639	594	160	6.3	1000
		231			276			315			394			443		4.7	750
		408			487			556			695			782		8.3	1500
470	176.576	276	560	168.224	328	640	174.252	375	800	171.749	469	900	183.008	528	180	5.6	1000
		207			246			281			352			396		4.2	750
		369			440			503			628			707		7.5	1500
470	190.821	246	560	191.588	293	640	188.310	335	800	195.603	419	900	197.772	471	200	5	1000
		187			223			255			318			358		3.8	750
		330			393			449			561			631		6.7	1500
470	217.324	221	560	215.377	264	640	214.464	302	800	219.891	377	900	225.240	424	224	4.5	1000
		162			194			221			276			311		3.3	750
		295			352			402			503			565		6	1500
470	244.309	197	560	237.467	235	640	241.094	268	800	242.444	335	900	253.208	377	250	4	1000
		148			176			201			251			283		3	750
		266			317			362			452			509		5.4	1500
470	269.366	177	560	270.602	211	640	265.822	241	800	276.274	302	900	279.178	339	280	3.6	1000
		133			158			181			226			254		2.7	750
		236			281			322			402			452		4.8	1500
470	306.952	157	560	298.215	188	640	302.913	214	800	304.465	268	900	318.133	302	315	3.2	1000
		118			141			161			201			226		2.4	750
		207						281						396		4.2	1500
470	338.273	138				640	333.823	188				900	350.596	264	355	2.8	1000
		103						141						198		2.1	750
																3.8	1500
															400	2.5	1000
																1.5	750

注：▭卧式安装齿轮箱要求采用强制润滑。

Note: ▭ Forced lubrication required on horizontal gear units.

B3
B4



H系列额定热容量(kW)：

H series rated thermal capacities(kW):

iN		H1-3	H1-5	H1-7	H1-9	H1-11	H1-13	H1-15	H1-17	H1-19
1.25	PG1	110	207	230	190					
	PG2	171	408	562	642					
	PG3	268	641	923	1322					
	PG4	322	819	1177	1621					
1.4	PG1	110	214	250	247					
	PG2	169	409	567	670					
	PG3	260	629	901	1305					
	PG4	312	800	1149	1589					
1.6	PG1	108	215	261	303	234				
	PG2	164	399	548	686	967	891			
	PG3	244	593	836	1246	2138	2631			
	PG4	295	754	1064	1519	2632	3220			
1.8	PG1	120	214	274	323	330				
	PG2	181	387	552	682	1000	1011			
	PG3	264	557	818	1195	2082	2547			
	PG4	319	712	1040	1454	2555	3095			
2	PG1	116	209	273	334	393	302			
	PG2	174	372	534	668	1010	1085	794		
	PG3	251	526	775	1135	2004	2483	2249		
	PG4	303	670	985	1382	2449	3001	3099		
2.24	PG1	112	202	263	335	433	416			
	PG2	166	353	496	643	999	1119	908		
	PG3	236	490	699	1063	1897	2377	2190		
	PG4	286	628	888	1296	2322	2874	2984		
2.5	PG1	103	192	252	328	452	486			
	PG2	153	332	466	611	971	1121	1001		
	PG3	212	453	644	984	1778	2246	2140		
	PG4	257	580	818	1201	2174	2714	2876		
2.8	PG1	97.0	180	263	347	456	525			
	PG2	143	309	477	630	928	1095	1063	884	
	PG3	195	413	649	990	1643	2091	2063	2359	
	PG4	237	529	824	1205	2010	2525	2744	3138	
3.15	PG1	95.1	185	293	371	520	620	464		
	PG2	138	305	535	664	976	1151	1291	1253	
	PG3	189	408	755	1075	1672	2082	2218	2585	
	PG4	227	517	967	1320	2030	2495	2847	3297	
3.55	PG1	87.5	182	272	349	493	607	527	420	
	PG2	126	297	490	616	902	1086	1259	1288	
	PG3	170	390	676	973	1508	1899	2057	2443	
	PG4	205	494	870	1198	1835	2277	2628	3088	
4	PG1	79.4	166	247	301	465	580	550	514	
	PG2	114	269	438	523	833	1006	1194	1267	1221
	PG3	151	346	592	806	1358	1171	1869	2249	
	PG4	182	439	763	998	1655	2055	2384	2829	
4.5	PG1	87.5	172	254	347	446	608	657	649	563
	PG2	122	272	437	585	789	1037	1273	1337	1351
	PG3	161	346	586	890	1290	1766	1905	2236	
	PG4	193	438	749	1093	1580	2126	2403	2782	
5	PG1	79.2	163	245	316	443	586	676	776	788
	PG2	111	257	419	527	770	989	1246	1495	1578
	PG3	143	325	551	783	1220	1662	1805	2414	
	PG4	172	411	707	964	1500	2003	2276	2988	
5.6	PG1	70.9	145	221	304	423	535	630	745	904
	PG2	98.3	227	374	503	730	890	1131	1374	1658
	PG3	125	281	483	729	1143	1457	1595	2148	
	PG4	150	357	621	902	1409	1761	2014	2660	

H系列额定热容量(kW)：

H series rated thermal capacities(kW):

iN		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
6.3	PG1	68.2	89.4		128		177		253		333		325		230		291							
	PG2	93.5	129		202		273		443		607		652		775									
	PG3	114	181		291		454		669		1164		1405		1713									
	PG4	137	218		357		539		835		1394		1653		2122									
7.1	PG1	69.9	91.1		124		173		256		340		351	342	315	260	375	321	372					
	PG2	95.7	131		194		264		440		601		659	672	807	802								
	PG3	115	180		273		427		650		1123		1358	1416	1658	1710								
	PG4	139	217		336		506		813		1344		1599	1670	2040	2129								
8	PG1	67.1	88.5	97.8	120	137	169	176	252	291	341	372	368	368	365	340	431	402	458	398				
	PG2	91.4	127	140	187	213	255	267	428	495	590	661	658	679	826	831								
	PG3	109	173	187	259	297	405	450	619	849	1069	1218	1310	1370	1611	1658								
	PG4	131	208	226	320	365	481	530	777	1023	1284	1468	1535	1614	1980	2042								
9	PG1	64.9	85.7	99.5	116	133	163	172	243	293	338	378	375	383	399	388	469	457	516	479	1037			
	PG2	88.2	123	141	180	204	245	257	406	491	573	652	647	676	829	848								
	PG3	104	165	187	246	280	383	421	572	824	1012	1175	1247	1321	1562	1615								
	PG4	126	198	225	302	344	456	496	717	994	1216	1407	1461	1550	1907	1983								
10	PG1	61.4	81.0	96.6	112	129	157	167	235	289	331	378	375	390	418	419	508	492	572	535	1076	1119		
	PG2	83.0	115	137	171	197	234	249	388	478	552	637	629	664	820	850								
	PG3	96.9	152	179	231	266	359	401	537	783	955	1116	1177	1254	1493	1556								
	PG4	117	183	215	285	327	428	472	672	950	1146	1343	1379	1475	1819	1908								
11.2	PG1	58.8	77.6	93.5	113	125	149	162	238	277	337	373	370	390	426	437	530	530	607	589	1118	1163		
	PG2	79.4	110	132	172	189	221	240	389	452	556	618	606	647	799	840								
	PG3	91.7	143	171	229	251	335	378	533	720	941	1062	1100	1187	1411	1494								
	PG4	111	173	206	283	310	400	447	668	872	1133	1275	1292	1391	1717	1822								
12.5	PG1	56.7	76.3	88.1	111	119	146	156	238	267	323	364	372	384	444	443	555	550	641	621	1118	1163	1337	
	PG2	75.7	107	124	167	180	215	229	381	430	523	595	600	622	799	817								
	PG3	88.5	141	157	224	237	324	356	522	675	863	997	1078	1114	1370	1410								
	PG4	106	169	190	275	292	384	421	650	818	1036	1199	1261	1305	1665	1716								
14	PG1	53.7	72.1	84.2	102	120	142	149	226	270	310	369	359	385	434	459	551	574	643	653	1110	1194	1327	1393
	PG2	71.5	101	118	153	181	207	217	359	433	495	598	569	615	766	816								
	PG3	82.7	131	148	200	235	305	331	483	670	799	987	1001	1087	1280	1369								
	PG4	99.1	156	179	247	290	364	392	602	813	963	1187	1173	1276	1557	1665								
16	PG1	49.2	67.6	82.6	95.3	118	133	145	212	269	283	354	361	371	420	448	536	568	627	653	1084	1127	1296	1361
	PG2	65.2	93.7	114	142	175	193	210	334	424	449	563	565	583	725	781								
	PG3	74.5	120	146	184	229	280	321	440	653	707	900	978	1009	1188	1281								
	PG4	89.6	144	175	226	282	334	378	549	789	855	1084	1147	1183	1444	1559								
18	PG1	47.0	64.5	78.1	91.1	108	125	140	196	255	285	338	340	373	415	433	534	551	617	637	1050	1092	1256	1318
	PG2	62.0	89.4	108	136	160	181	202	310	398	450	533	527	579	702	739								
	PG3	70.0	113	135	175	206	261	302	410	602	709	836	901	987	1132	1185								
	PG4	84.2	136	163	216	253	312	357	513	729	854	1007	1059	1159	1373	1446								
20	PG1	46.0	60.4	73.1	84.9	102	121	132	189	238	267	308	326	351	406	429	517	548	598	634	1015	1056	1214	1274
	PG2	60.4	83.5	100	126	149	174	189	297	369	419	482	498	540	681	717								
	PG3	67.7	105	124	160	189	250	278	387	547	646	740	828	910	1085	1124								
	PG4	81.4	126	150	198	232	298	329	484	663	780	893	970	1069	1318	1368								
22.4	PG1	42.5	56.1	69.8	81.8	97	111	124	176	220	240	310	330	336	355	420	440	531	524	607	775	1005	928	1210
	PG2	55.8	77.1	95.8	121	143	161	177	275	343	301	482	443	510	460	695								
	PG3	61.7	95.4	118	153	180	225	259	352	512	525	740	844	834	844	1078								
	PG4	74.3	115	142	188	221	269	307	441	620	580	893	941	980	934	1311								
25	PG1		56.8	65.4	84.3	90.6	115	120	173	213	234	290	322	341	344	367	435	453	537	535	760	790	908	945
	PG2		69.2	89.3	105	132	145	171	224	329	292	448	429	456	445	474								
	PG3		98.7	108	158	165	231	248	392	480	499	676	795	854	796	847								
	PG4		110	131	177	203	258	294	436	583	550	815	888	953	881	940								
28	PG1		54.5	60.7	84.7	87.1	114	111	167	198	225	259	318	333	339	355	427	447	540	548	778	809	930	967
	PG2		66.5	82.6	106	127	143	158	215	304	281	323	421	441	436	456								
	PG3		93.2	98.8	157	157	224	224	367	435	468	548	767	804	766	799								
	PG4		104	119	176	193	250	267	410	530	518	605	858	898	850	887								
31.5	PG1		52.9	61.2	81.2	90.3	111	115	161	194	219	252	310	328	329	349	417	439	537	549	773	804	925	962
	PG2		64.3	73.9	101	112	139	144	207	247	272	312	409	433	422	447								
	PG3		89.4	102	148	162	215	268	350	403	449	520	732	775	734	772								
	PG4		100	114	167	181	240	293	391	450	496	574	819	867	813	856								
35.5	PG1		51.0	58.7	78.6	90.6	107	114	155	186	212	243	295	320	313	339	405	429	530	545	766	797	916	953
	PG2		62.0	70.9	98.1	112	134	141	199	236	262	301	388	420	399	433								
	PG3		85.4	96.3	142	160	205	260	331	377	427	489	678	741	678	738								
	PG4		95.4	108	160	180	230	284	371	423	472	541	759	831	753	819								



H系列额定热容量(kW)：

H series rated thermal capacities(kW):

iN		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
40	PG1	48.1	56.6	74.6	86.8	101	110	149	180	204	236	284	304	300	322	390	416	517	537	754	784	902	938
	PG2	58.3	68.6	92.8	107	127	137	190	228	251	291	371	398	382	409								
	PG3	79.3	92.4	132	151	191	248	312	359	403	467	639	686	641	683								
	PG4	88.6	103	149	170	214	272	349	402	446	517	717	770	711	760								
45	PG1	46.0	54.9	71.8	84.1	97.2	107	148	173	195	227	282	293	297	309	386	401	501	524	745	775	891	927
	PG2	55.7	66.2	89	104	121	133	189	219	240	280	368	381	377	392								
	PG3	74.9	88.3	126	145	181	238	305	341	379	444	626	648	627	644								
	PG4	83.8	98.7	142	163	203	261	342	382	419	491	702	725	695	716								
50	PG1	44.4	51.7	67.6	79.8	94.9	101	145	166	191	219	281	291	292	306	379	395	500	508	736	765	880	915
	PG2	53.6	62.2	83.7	98.0	118	125	184	210	233	269	362	378	368	386								
	PG3	72.3	82.0	118	136	177	221	299	322	369	419	619	634	613	628								
	PG4	80.9	91.7	133	152	197	242	334	360	408	465	691	710	681	701								
56	PG1	42.1	49.6	64.4	76.7	90.3	97.0	134	165	184	209	267	289	278	300	362	388	477	506	720	749	861	895
	PG2	50.7	59.5	79.4	94.1	112	120	170	208	225	256	343	371	350	377								
	PG3	67.9	77.6	111	129	165	209	271	315	349	394	577	626	574	617								
	PG4	75.6	86.9	125	145	185	229	302	353	386	437	645	698	636	684								
63	PG1	39.6	47.7	60.0	72.4	85.3	94.7	127	161	174	204	252	275	262	286	338	371	456	482	697	724	834	867
	PG2	47.6	57.1	73.8	88.5	105	116	160	202	212	249	323	353	329	357								
	PG3	62.9	74.9	102	121	153	204	251	309	325	384	533	582	530	576								
	PG4	70.2	83.8	114	136	172	224	280	345	359	425	596	653	589	640								
71	PG1	39.2	45.2	58.2	68.9	83.4	90.1	124	150	169	197	245	260	252	270	333	346	431	461	669	696	800	832
	PG2	47.0	54.0	71.3	84.1	103	111	155	187	205	239	313	332	315	337								
	PG3	62.2	70.2	97.9	113	150	191	242	279	310	364	513	540	507	534								
	PG4	69.4	78.3	110	127	167	209	270	312	343	403	573	604	564	592								
80	PG1	37.2	42.6	56.8	64.3	78.9	85.1	117	141	164	186	236	252	242	259	315	341	411	435	655	681	783	814
	PG2	44.5	50.6	69.6	78.2	96.8	104	146	176	199	226	300	321	302	323								
	PG3	57.8	65.2	94.2	104	139	177	223	259	299	338	484	519	479	511								
	PG4	64.6	72.8	106	117	156	194	250	290	330	375	542	580	532	567								
90	PG1	36.7	42.2	53.7	62.2	74.9	83.0	113	138	153	180	222	243	228	248	299	322	399	415	627	652	750	780
	PG2	43.9	50.2	65.7	75.4	91.8	101	141	171	186	218	282	308	284	309								
	PG3	56.2	64.6	87.1	100	129	173	214	250	274	323	448	490	443	483								
	PG4	63.0	72.1	98.3	113	145	189	240	280	304	357	501	549	493	537								
100	PG1		40.0	48.1	60.9	67.1	78.8	99.5	130	133	175	179	228	201	234	282	306	388	403	509	632	611	756
	PG2		47.5		73.8		95.9		161		212		289		290								
	PG3		60.0		96.7		161		231		311		453		447								
	PG4		67.2		109		176		259		344		507		497								
112	PG1		39.5	46.3	57.6	64.2	74.9	98.7	126	130	164	171	184	192	206	270	289	379	392	498	518	596	620
	PG2		47.0		69.8		91.2		156		198												
	PG3		58.5		89.6		149		222		286												
	PG4		65.5		101		164		249		317												
125	PG1			44.9	51.6	62.1	67.3	94.6	110	126	142	165	177	185	197	261	276	367	383	488	508	584	607
140	PG1			42.6	49.5	60.1	64.4	91.5	109	122	138	159	170	178	190	251	267	347	371	475	494	568	591
160	PG1			41.0	48.0	56.8	62.4	87.0	105	115	134	153	164	171	183	241	257	333	351	455	473	544	566
180	PG1			39.4	45.6	54.4	60.4	83.9	101	111	130	150	157	167	175	230	247	328	336	439	457	525	546
220	PG1			37.9	43.9	52.6	57.0	79.2	96.4	108	123	146	154	161	172	222	236	309	331	432	449	516	537
224	PG1			35.7	42.0	50.5	54.6	75.9	92.8	103	118	136	150	150	166	213	227	295	312	428	445	512	532
250	PG1			34.1	40.7	48.2	53.0	72.1	87.6	98.0	115	129	139	143	155	202	218	279	297	409	425	489	509
280	PG1			33.1	38.2	46.8	50.8	69.4	84.3	94.9	109	125	132	139	147	194	207	268	281	388	404	467	486
315	PG1			32.4	38.6	44.6	48.5	67.7	79.9	91.0	105	119	128	133	143	190	199	257	270	374	389	447	465
355	PG1			30.9	35.5	43.8	47.1	64.4	76.9	86.8	101	117	123	130	137	181	195	245	260	363	378	435	452
400	PG1				34.8		44.9		75.1		97.1		120		134		185		248		359		429
450	PG1				33.1		44.1		71.4		92.6												

B系列额定热容量(kW)：

B series rated thermal capacities(kW):

iN		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
5	PG1	66.3	86.9		122		150		233		286		330											
	PG2	101	140		223		272		458		662		797											
	PG3	135	202		313		391		664		1318		1786											
	PG4	166	250		403		500		862		1632		2158											
5.6	PG1	64.1	85.2		117		144		233		295		349		328									
	PG2	96.9	137		209		256		446		653		789		862									
	PG3	130	196		288		360		631		1264		1729		2015									
	PG4	160	242		371		461		821		1573		2084		2427									
6.3	PG1	62.4	81.9	96.5	110	134	137	155	218	277	282	337	351	374	353									
	PG2	93.8	130	152	194	235	240	272	406	516	597	726	752	815	836									
	PG3	124	182	259	261	381	327	451	555	957	1110	1384	1596	1748	1872									
	PG4	153	225	307	337	471	421	554	723	1166	1377	1712	1922	2105	2262									
7.1	PG1	58.8	77.7	94.7	104	127	130	148	217	275	284	341	346	372	364	388								
	PG2	87.6	122	148	182	221	225	256	397	501	589	712	715	775	804	867								
	PG3	114	168	252	240	350	300	414	535	913	1076	1326	1479	1613	1752	1882								
	PG4	140	208	298	310	433	387	510	697	1106	1339	1649	1781	1941	2109	2269								
8	PG1	55.4	73.3	90.6	98.9	120	124	141	201	254	268	322	330	365	356	393								
	PG2	82.1	114	140	171	205	212	240	362	454	539	648	659	736	750	832								
	PG3	105	154	233	222	317	278	376	473	801	959	1162	1330	1501	1590	1758								
	PG4	130	192	277	287	393	359	464	619	974	1190	1441	1598	1802	1909	2115								
9	PG1	52.7	69.6	85.8	94.6	113	119	134	193	252	260	322	321	347	351	381								
	PG2	77.5	108	132	162	192	202	225	345	444	515	638	633	678	723	773								
	PG3	96.9	142	214	208	292	262	346	446	776	897	1130	1258	1342	1512	1593								
	PG4	120	176	255	270	362	339	428	583	941	1118	1403	1513	1614	1815	1915								
10	PG1	44.3	64.6	80.6	88.6	107	112	127	183	232	249	301	307	337	342	374								
	PG2	64.2	98.9	123	150	180	189	212	323	403	485	583	591	650	684	745								
	PG3	77.4	127	197	189	269	240	319	409	687	830	999	1148	1271	1403	1516								
	PG4	95.9	158	235	246	335	310	395	537	835	1033	1244	1383	1528	1684	1818								
11.2	PG1	42.8	57.9	76.6	79.3	102	101	122	164	223	224	290	280	322	315	363								
	PG2	61.9	88.0	116	133	171	167	202	285	384	431	555	532	608	618	705								
	PG3	73.9	111	180	165	252	208	301	354	647	720	934	1010	1159	1243	1411								
	PG4	91.7	138	215	215	314	270	374	465	788	900	1167	1221	1400	1494	1688								
12.5	PG1	45.0	61.1	70.9	97.2	95.7	129	115	183	210	238	277	334	293	377	334								
	PG2	58.5	83.0	106	133	159	182	189	288	359	379	522	533	546	684	636								
	PG3	72.5	117	160	206	230	305	275	431	593	674	865	1054	1019	1264	1251								
	PG4	85.2	137	192	239	287	353	342	526	724	795	1078	1222	1235	1518	1500								
14	PG1	43.7	59.2	63.4	93.9	85.8	125	103	180	187	240	248	322	349	363	411								
	PG2	56.8	80.3	94.4	128	141	176	168	282	316	382	462	512	552	657	734								
	PG3	70.3	113	140	199	201	296	239	422	512	679	749	1006	1066	1214	1331								
	PG4	82.6	132	167	230	250	341	297	514	627	801	937	1166	1241	1455	1598								
16	PG1	41.5	57.2	66.4	89.5	105	122	137	171	203	221	259	318	334	365	379								
	PG2	54.0	77.3	88.6	122	140	172	190	268	311	349	404	503	528	652	672								
	PG3	66.8	109	121	189	211	287	324	401	526	617	699	984	1018	1194	1219								
	PG4	78.3	127	141	219	243	331	371	487	621	727	824	1142	1181	1433	1460								
18	PG1	40.3	55.4	64.3	86.4	101	118	126	168	203	222	261	306	332	351	399								
	PG2	52.4	74.9	85.8	118	136	166	175	262	311	352	407	482	521	626	698								
	PG3	64.7	105	116	182	205	277	298	393	527	621	703	945	1003	1142	1257								
	PG4	76.0	123	136	211	236	320	341	477	622	732	829	1091	1161	1371	1506								
20	PG1	38.0	53.1	61.9	82.8	96	113	129	160	189	209	239	296	317	340	366	411		475		795			
	PG2	49.4	71.8	82.6	113	129	159	180	250	289	329	371	464	497	602	639	745		838		993			
	PG3	61.2	101	112	174	193	265	305	374	487	581	639	907	953	1099	1146								
	PG4	71.6	118	131	201	223	307	350	454	575	684	753	1047	1104	1316	1375								
22.4	PG1	37.1	52.2	60.0	80.0	93.2	110	119	153	189	201	242	289	306	337	354	409	431	473	492	814	847	974	
	PG2	48.1	70.6	80.1	109	125	155	165	237	289	313	374	450	478	586	614	725	762	818	849	993	1033	1188	
	PG3	59.5	99.8	109	168	187	257	279	347	486	542	645	859	912	1051	1099								
	PG4	69.8	117	127	193	216	297	320	423	574	639	759	994	1057	1261	1318								
25	PG1	35.2	49.4	57.5	77.3	89.3	105	114	145	181	190	226	273	300	322	350	399	427	461	487	783	814	936	983
	PG2	45.5	66.6	76.6	105	119	147	158	222	275	294	349	419	462	548	598	692	741	778	828	955	993	1142	1199
	PG3	56.1	93.8	104	160	179	239	268	318	462	498	602	777	867	956	1053								
	PG4	65.7	109	121	185	207	276	306	388	547	588	708	899	1004	1147	1264								
28	PG1	33.8	47.7	56.5	73.4	86.3	100	111	138	173	181	217	266	283	318	334	388	415	446	473	762	793	912	958
	PG2	43.5	64.0	75.3	98.8	115	139	154	211	262	278	332	406	430	535	559	659	706	740	786	952	991	1140	1197
	PG3	52.9	88.7	103	148	173	222	259	286	431	462	560	745	785	925	958								
	PG4	62.1	103	120	171	199	257	297	362	509	547	660	863	909	1109	1148								



B系列额定热容量(kW)：

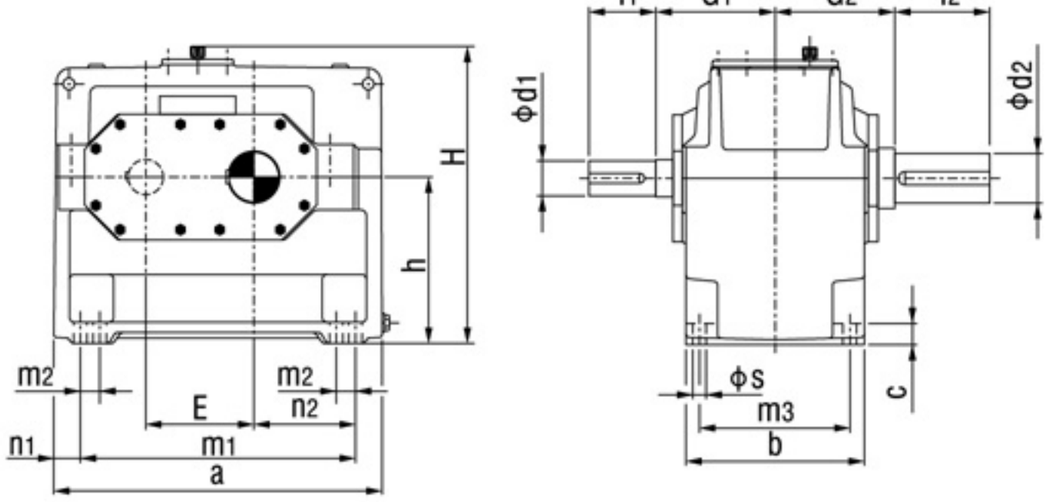
B series rated thermal capacities(kW):

iN		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
31.5	PG1	32.0	45.2	53.4	69.7	83.1	95.6	106	131	163	172	205	250	276	301	328	370	403	423	458	742	772	888	932
	PG2	41.2	60.5	71.0	93.6	111	132	146	199	245	263	311	378	418	499	545	618	673	688	748	927	965	1110	1165
	PG3	49.6	82.7	96.7	138	165	208	240	275	394	428	513	675	752	846	927								
	PG4	58.2	96.5	113	160	189	240	276	337	467	508	606	784	873	1014	1111								
35.5	PG1	30.1	42.6	51.5	66.2	78.9	90.8	101	126	155	166	195	241	259	291	311	361	383	409	433	726	755	868	911
	PG2	38.5	56.6	68.2	88.4	105	125	138	190	232	252	295	363	388	480	509	596	630	660	695	885	921	1059	1111
	PG3	45.6	75.7	91.4	128	153	190	224	261	367	407	478	642	684	805	847								
	PG4	53.6	88.7	107	148	176	221	257	318	434	483	565	746	794	966	1017								
40	PG1	26.3	37.0	48.9	57.9	75.3	84.9	96.4	119	147	156	186	228	250	278	301	343	373	388	419	703	731	841	883
	PG2	33.5	48.8	64.5	76.7	99.4	116	132	178	218	237	279	341	373	453	489	560	607	618	667	844	877	1009	1060
	PG3	38.4	63.0	85.3	106	143	172	210	239	340	375	445	592	649	749	805								
	PG4	45.2	73.9	99.8	126	164	200	241	293	403	446	526	690	755	900	968								
45	PG1	25.7	36.0	45.9	56.2	71.4	78.0	91.5	109	141	144	178	211	236	258	287	321	355	359	396	665	692	796	836
	PG2	32.7	47.5	60.3	74.0	93.8	106	124	163	209	216	267	313	351	418	463	519	570	569	624	778	810	931	978
	PG3	37.3	60.7	78.3	102	132	155	192	215	321	336	421	533	599	679	753								
	PG4	44.0	71.3	91.6	118	152	180	221	265	382	398	499	621	698	816	903								
50	PG1	25.9	35.8	40.0	55.4	62.5	76.6	85.6	109	133	146	169	216	218	268	266	317	331	386	367	611	635	730	767
	PG2	32.9	46.9	52.2	72.6	81.4	103	116	160	195	216	250	315	322	424	427	498	529	596	574	670	724	832	874
	PG3	37.3	59.1	65.3	98.6	110	148	174	210	295	333	389	535	539	686	684								
	PG4	43.8	69.5	76.6	114	127	173	201	256	350	397	462	620	629	820	821								
56	PG1	23.9	33.0	39.0	51.4	60.6	70.7	78.9	99.1	122	134	155	198	223	247	276	305	326	365	393	599	623	717	753
	PG2	30.2	43.3	50.8	67.4	78.8	95.3	106	145	179	197	228	287	323	388	432	478	506	560	601	683	710	817	858
	PG3	33.6	53.3	63.0	89.4	105	133	157	186	264	298	346	479	541	617	688								
	PG4	39.7	62.9	74.0	104	122	155	181	228	315	354	413	555	628	738	823								
63	PG1	23.0	31.7	38.7	49.7	59.8	68.2	77.4	95.5	121	129	157	189	204	237	254	295	314	353	371	567	590	679	713
	PG2	29.1	41.6	50.2	65.1	77.4	91.9	103	139	175	189	229	273	294	370	395	460	486	540	563	635	661	760	798
	PG3	31.8	50.3	61.4	84.8	102	125	150	175	256	280	345	449	482	581	620								
	PG4	37.6	59.5	72.2	99.0	119	147	173	215	304	334	409	521	561	698	740								
71	PG1	21.3	30.2	35.7	47.3	55.5	63.9	71.7	88.4	111	121	144	180	195	224	244	279	304	333	360	547	569	654	687
	PG2	27.0	39.5	46.2	62	71.8	86.0	95.6	129	159	177	208	258	281	347	377	431	468	505	544	602	626	719	756
	PG3	28.9	46.6	55.5	78.4	92.8	113	135	157	227	253	309	413	454	537	585								
	PG4	34.3	55.3	65.4	92.1	108	134	156	194	271	303	366	482	528	644	701								
80	PG1		32.5	34.2	48.2	53.6	68.2	69.2	103	106	138	138	185	186	208	231	285	287	399	339	560	538	670	650
	PG2			44.5		69.4		92.3		153		200		266		353		438		509		592		715
	PG3			52.3		88.0		127		212		290		417		538								
	PG4			61.8		103		148		255		346		487		647								
90	PG1		31.8	32.6	46.7	51.0	66.7	64.9	99.9	98.7	135	129	177	190	199	214	273	292	386	404	554	576	662	695
	PG2			42.3		66.0		86.5		142		187												
	PG3			48.5		81.5		115		190		262												
	PG4			57.6		95.4		135		230		314												
100	PG1		30.3	34.8	44.2	51.5	63.2	68.7	96.0	115	128	148	167	182	187	205	258	280	363	391	549	571	657	690
112	PG1		29.2	34.0	42.5	50.0	60.8	67.1	91.4	111	122	144	159	172	179	193	246	264	352	367	497	517	595	625
125	PG1		27.9	32.5	40.6	47.3	58.0	63.7	87.5	106	117	136	151	164	170	184	234	252	331	356	497	517	595	625
140	PG1		26.6	31.3	38.6	45.6	54.7	61.3	82.8	101	111	130	146	156	164	175	225	240	320	335	467	486	559	587
160	PG1		24.5	29.9	35.2	43.5	50.0	58.4	75.5	96.8	105	125	138	150	155	169	213	231	302	323	453	471	542	569
180	PG1		24.0	28.6	34.3	41.4	48.8	55.4	73.5	91.6	99.2	118	130	142	146	159	199	218	282	306	433	450	518	544
200	PG1		23.2	26.3	34.0	37.8	47.8	50.7	71.9	83.7	96.9	112	128	134	144	151	198	204	273	286	401	417	480	504
224	PG1		21.6	25.8	31.7	36.9	44.7	49.4	67.6	81.6	90.8	106	120	132	134	148	186	204	255	277	400	416	478	502
250	PG1		21.1	24.8	30.6	36.5	43.1	48.4	65.4	79.7	87.9	103	116	123	130	139	180	191	247	259	371	386	444	466
280	PG1		20.1	23.2	28.7	34.1	41.1	45.3	62.5	74.8	83.0	96.9	108	119	122	134	169	184	236	250	354	368	423	444
315	PG1		18.8	22.6	26.9	32.8	38.6	43.7	58.4	72.4	79.2	93.7	102	112	115	126	160	174	220	239	333	346	398	418
355	PG1			21.6		30.8		41.7		69.1		88.5		105		119		164		223		317		383
400	PG1			20.2		28.9		39.3		64.5		84.3												

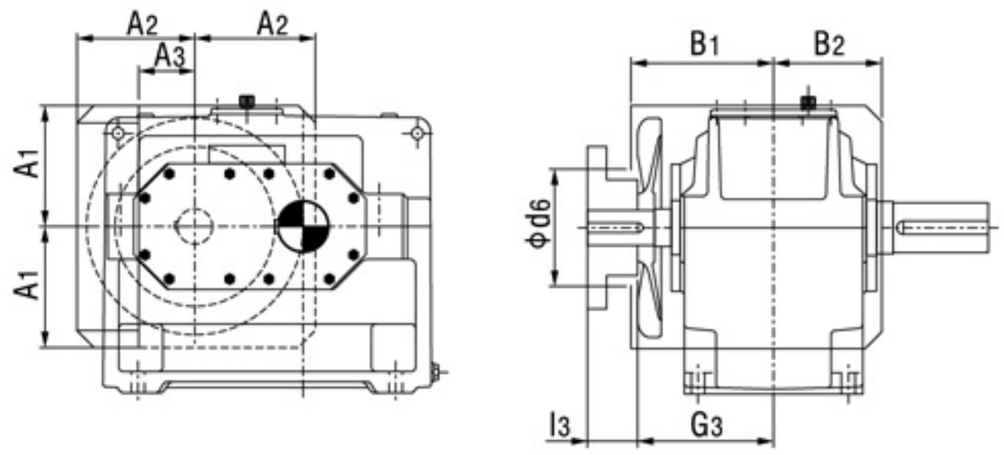
H1SH3 ~ H1SH19

HB

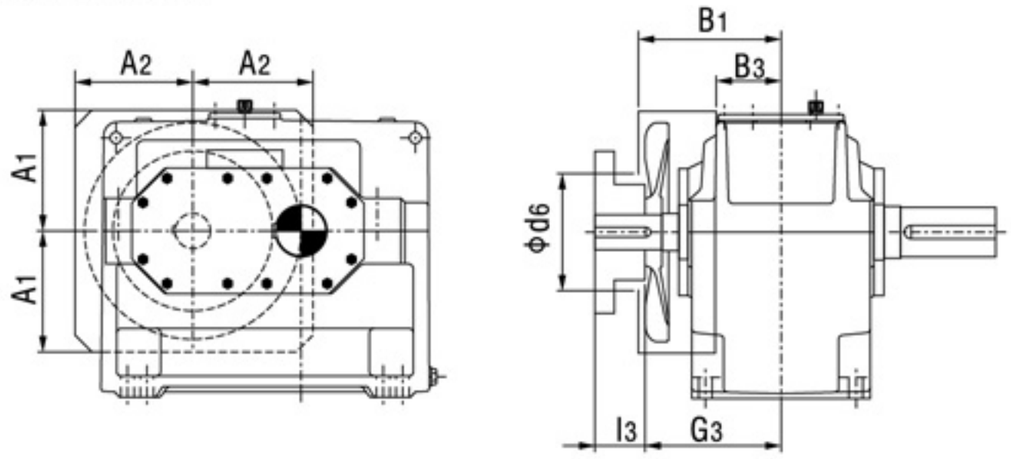
H1SH



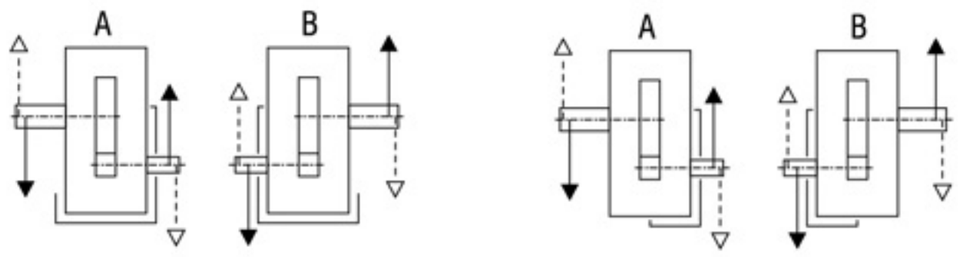
H1SH 3 ... 11



H1SH 13...19



布置形式 Design



Sizes3 ... 11

Sizes13 ... 19

机座号 Size	i_N = 1.25 - 2.8			i_N = 1.6 - 2.8			i_N = 2 - 2.8			i_N = 3.15 - 4			i_N = 4.5 - 5.6			a	A1	A2	A3	b	B1	B2
	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3							
3	60	125	105							45	100	80	32	80	60	420	150	145	80	200	205	130
5	85	160	130							60	135	105	50	110	80	580	225	215	115	285	255	185
7	100	200	165							75	140	105	60	140	105	690	225	250	120	375	300	230
9	110	200	165							90	165	130	75	140	105	805	300	265	140	425	330	265
11				130	240	205				110	205	170	90	170	135	960	360	330	190	515	375	320
13				150	245	200				130	245	200	100	210	165	1100	415	350	-	580	430	-
15							180	290	240	150	250	200	125	250	200	1295	500	430	-	545	430	-
17							200	330	280	170	290	240	140	250	200	1410	550	430	-	615	470	-
19							220	340	290	190	340	290	160	300	250	1590	630	475	-	690	510	-

机座号 Size	B3	c	d_2	d6	E	G_1	G_2	G3	h	H	l_2	m_1	m_2	m_3	n_1	n_2	s	润滑油oil (l)		重 量 weight (kg)
																		(1)*	(2)*	
3	-	28	60	130	130	170	170	190	200	375	125	310	-	160	55	110	19	7	5.5	128
5	-	35	85	190	185	210	210	240	290	525	160	440	-	240	70	160	24	22	19	302
7	-	45	105	245	225	250	250	285	350	625	200	540	-	315	75	195	28	42	36	547
9	-	50	125	280	265	280	270	315	420	735	210	625	-	350	90	225	35	68	60	862
11	-	60	150	350	320	325	320	360	500	875	240	770	-	440	95	280	35	120	106	1515
13	150	70	180	350	370	365	360	410	580	1020	310	870	-	490	115	315	42	175	155	2395
15	120	80	220	450	442	360	360	410	600	1115	350	1025	-	450	135	370	48	190	156	3200
17	150	80	240	445	490	400	400	450	670	1235	400	1170	130	530	120	425	42	270	225	4250
19	190	90	270	445	555	440	440	490	760	1395	450	1290	150	590	150	465	48	390	330	5800

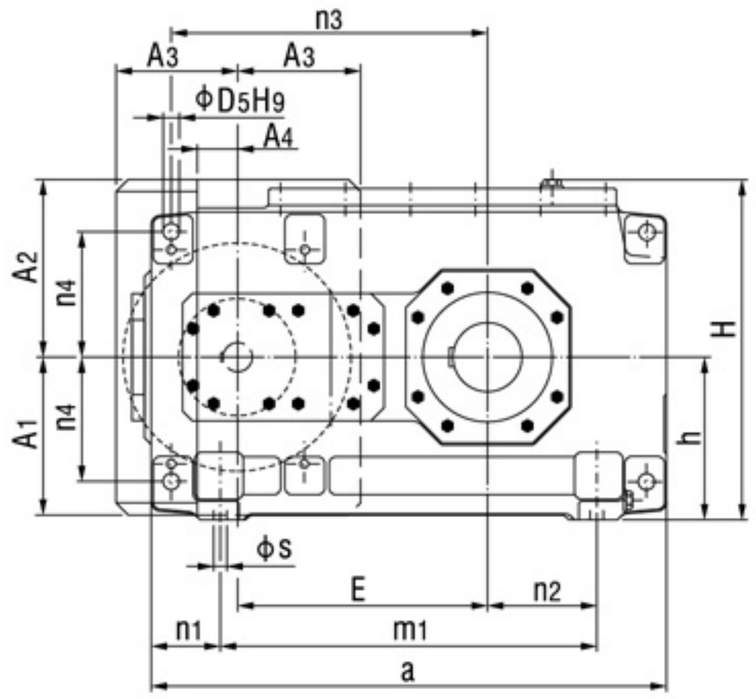
(1)*轴封；(2)*迷宫式密封。

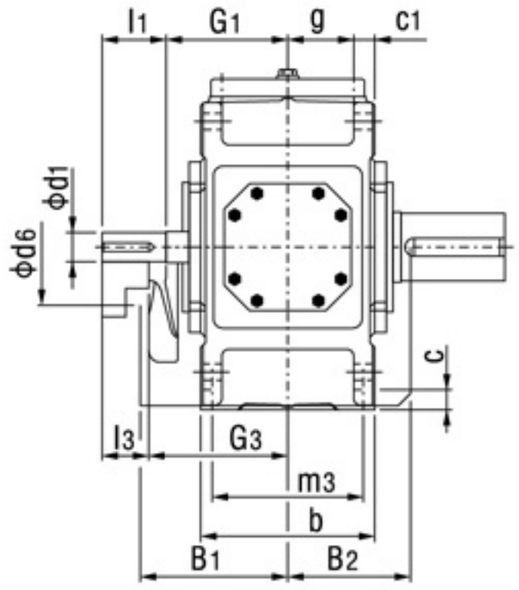
(1)*Shaft seal, (2)*Labyrinth seal.



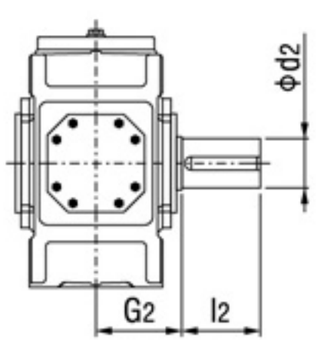
H2.H4 ~ H2.H12

H2SH、H2HH、H2DH

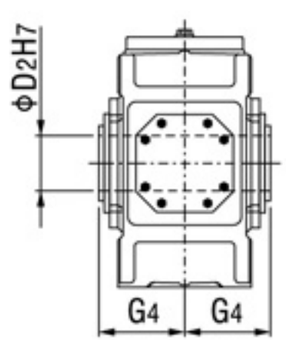




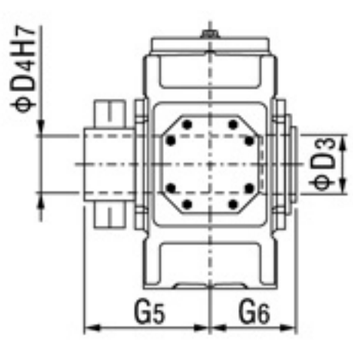
H2SH
实心轴
Solid shaft



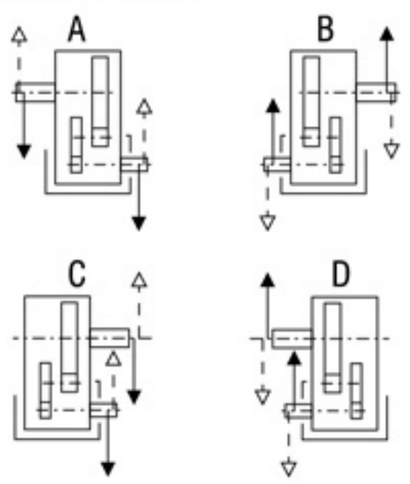
H2HH
空心轴
Hollow shaft



H2DH
带胀紧盘的空心轴
Hollow shaft for shrink disk



布置形式 Design:



机座号 Size	i_N = 6.3 – 11.2			i_N = 8 – 14			i_N = 12.5 – 22.4			i_N = 16 – 28			a	A1	A2	A3	A4	b	B1	B2	c	c_1	d_2	d6	D_2	D_3
	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3															
4	45	100	80				32	80	60				565	195	225	150	30	215	205	158	28	30 ±1	80	136	80	85
5	50	100	80				38	80	60				640	225	260	175	55	255	230	177.5	28	30 ±1	100	150	95	100
6				50	100	80				38	80	60	720	225	260	175	55	255	230	177.5	28	30 ±1	110	150	105	110
7	60	135	105				50	110	80				785	272	305	210	70	300	255	210	35	36 ±1	120	200	115	120
8				60	135	105				50	110	80	890	272	305	210	70	300	255	210	35	36 ±1	130	200	125	130
9	75	140	110				60	140	110				925	312	355	240	100	370	285	245	40	45 ±1.5	140	200	135	140
10				75	140	110				60	140	110	1025	312	355	240	100	370	285	245	40	45 ±1.5	160	200	150	150
11	90	165	130				70	140	105				1105	372	420	285	135	430	325	285	50	54 ±1.5	170	210	165	165
12				90	165	130				70	140	105	1260	372	420	285	135	430	325	285	50	54 ±1.5	180	210	180	180

机座号 Size	D_4	D_5	E	g	G_1	G_2	G_3	G_4	G_5	G_6	h	H	l_2	m_1	m_3	n_1	n_2	n_3	n_4	s	润滑油oil (l)		重 量 weight (kg)
																					(1)*	(2)*	
4	85	24	270	77.5	170	140	190	140	205	140	200	415	170	355	180	105	85	345	150	19	10	7	190
5	100	24	315	97.5	195	165	215	165	240	165	230	482	210	430	220	105	100	405	180	19	15	11	300
6	110	24	350	97.5	195	165	215	165	240	165	230	482	210	510	220	105	145	440	180	19	16	12	355
7	120	28	385	114	210	195	240	195	280	195	280	572	210	545	260	120	130	500	215	24	27	21	505
8	130	28	430	114	210	195	240	195	285	195	280	582	250	650	260	120	190	545	215	24	30	23	590
9	140	36	450	140	240	235	270	235	330	235	320	662	250	635	320	145	155	585	245	28	42	33	830
10	150	36	500	140	240	235	270	235	350	235	320	662	300	735	320	145	205	635	245	28	45	34	960
11	165	40	545	161	275	270	310	270	400	270	380	782	300	775	370	165	180	710	300	35	71	58	1335
12	180	40	615	161	275	270	310	270	405	270	380	790	300	930	370	165	265	780	300	35	76	60	1615

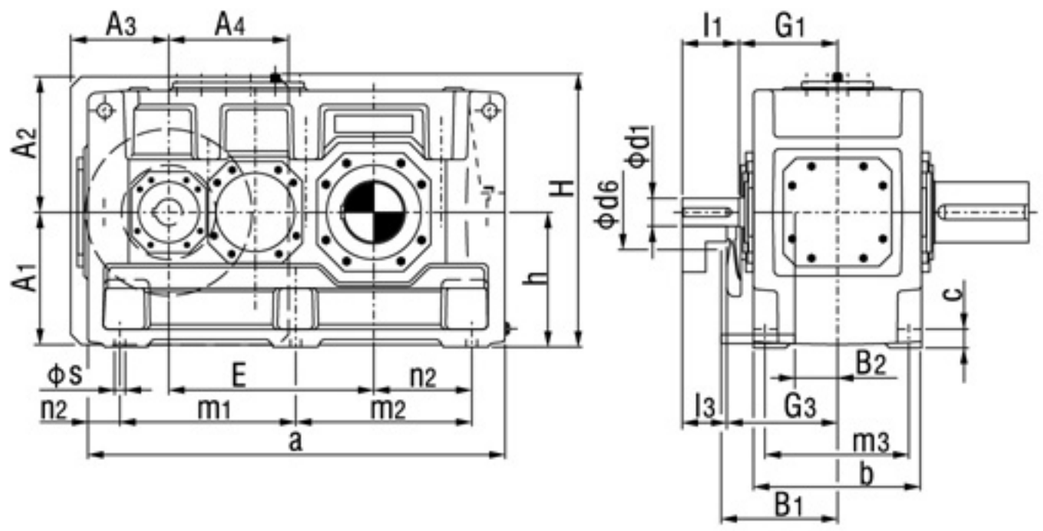
(1)*轴封；(2)*迷宫式密封。

(1)*Shaft seal, (2)*Labyrinth seal.

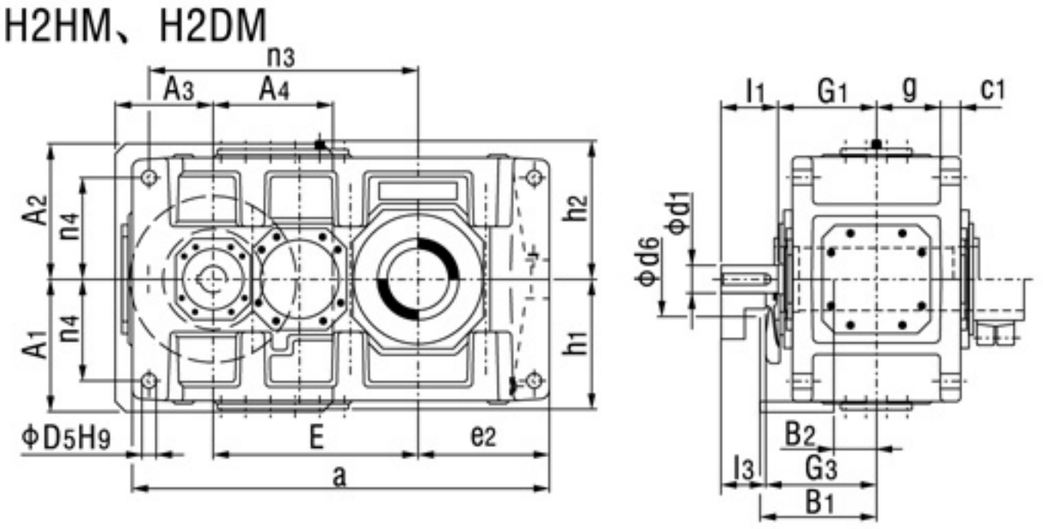
H2.H13 ~ H2.H26

HB

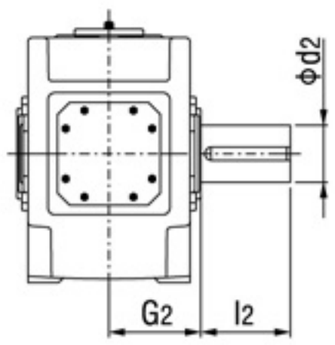
H2SH、H2HH、H2DH



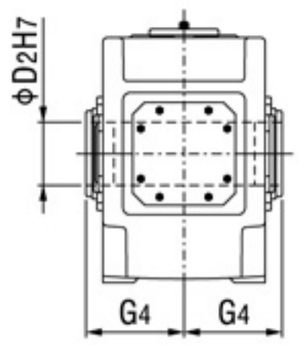
H2HM、H2DM



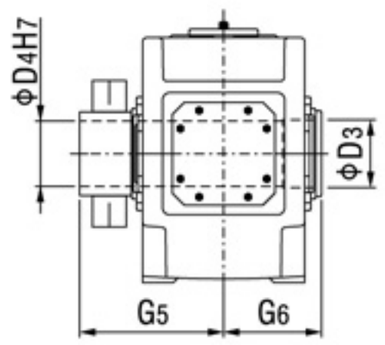
H2SH
实心轴
Solid shaft



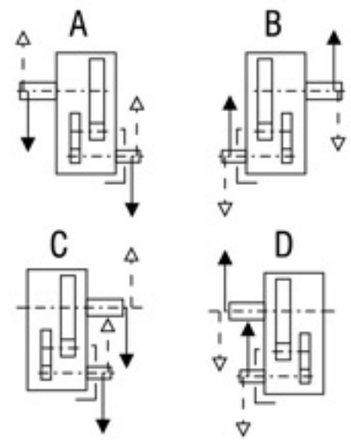
H2HH, H2HM
空心轴
Hollow shaft



H2DH, H2DM
带胀紧盘的空心轴
Hollow shaft for shrink disk



布置形式 Design:



机座号 Size	i_N=6.3-11.2			i_N=7.1-12.5			i_N=8-14			i_N=12.5-20			i_N=14-22.4			i_N=16-25			a	A_1	A_2	A_3	A_4	b	B_1	B_2	c	c_1	d_2	d6	D_2	D_3
	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3														
13	100	205	170							85	170	135							1290	430	460	330	365	550	385	135	60	61±2	200	250	190	190
14							100	205	170							85	170	135	1430	430	460	330	365	550	385	135	60	61±2	210	250	210	210
15	120	210	165							100	210	165							1550	490	500	370	440	625	430	155	70	72±2	230	280	230	230
16				120	210	165							100	210	165				1640	490	500	370	440	625	430	155	70	72±2	240	280	240	240
17	125	245	200							110	210	165							1740	540	565	435	505	690	485	140	80	81±2	250	280	250	250
18				125	245	200							110	210	165				1860	540	565	435	505	690	485	140	80	81±2	270	280	275	280
19	150	245	200							120	210	165							2010	600	600	500	450	790	540	190	90	91±2	290	310	–	285
20				150	245	200							120	210	165				2130	600	600	500	450	790	540	190	90	91±2	300	310	–	310
21	170	290	240							140	250	200							2140	680	680	500	610	830	565	200	100	100±2	320	450	–	330
22				170	290	240							140	250	200				2250	680	680	500	610	830	565	200	100	100±2	340	450	–	340
23	190	330	280							150	250	200							2380	770	770	550	550	930	630	220	115	120±2	360	450	–	360
24				190	330	280							150	250	200				2510	770	770	550	550	930	630	220	115	120±2	380	450	–	380
25	200	340	290							170	300	250							2580	845	860	550	550	1045	670	240	130	120±2	400	450	–	400
26				200	340	290							170	300	250				2760	845	860	550	550	1045	670	240	130	120±2	420	450	–	430

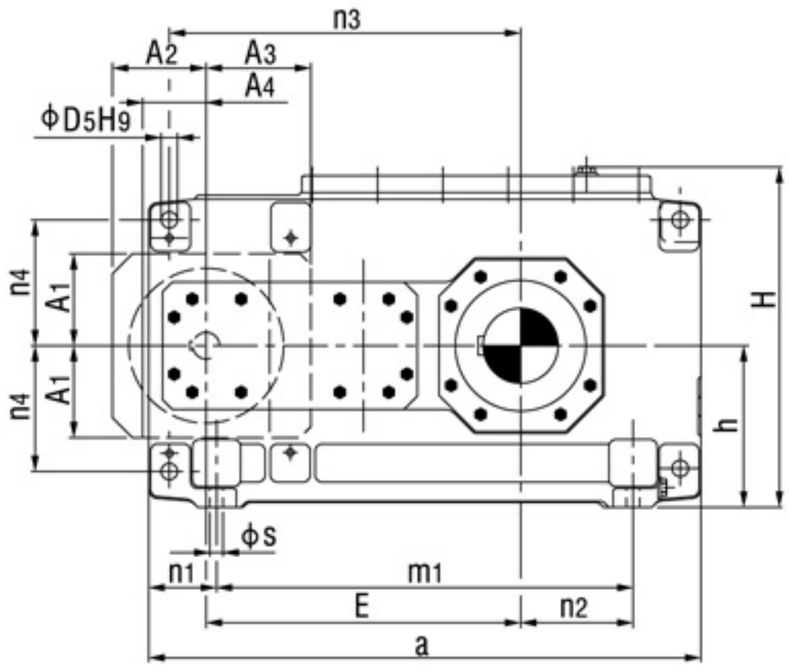
机座号 Size	D_4	D_5	e_2	E	g	G_1	G_2	G_3	G_4	G_5	G_6	h	h_1	h_2	H	l_2	m_1	m_2	m_3	n_1	n_2	n_3	n_4	s	润滑油oil (l) H2.H (1)*	润滑油oil (l) H2.H (2)*	润滑油oil (l) H2.M	重量 weight (kg) H2.H	重量 weight (kg) H2.M
13	190	48	405	635	211.5	330	335	365	335	480	335	440	450	460	900	350	545	545	475	100	305	835	340	35	135	120	110	2000	1880
14	210	48	475	705	211.5	330	335	365	335	480	335	440	450	460	900	350	545	685	475	100	375	905	340	35	140	130	115	2570	2430
15	230	55	485	762	238	365	380	410	380	550	380	500	490	500	1000	410	655	655	535	120	365	1005	375	42	210	190	160	3430	3240
16	240	55	530	808	238	365	380	410	380	550	380	500	490	500	1000	410	655	745	535	120	410	1050	375	42	215	200	165	3655	3465
17	250	55	525	860	259	420	415	465	415	600	415	550	555	560	1110	410	735	735	600	135	390	1145	425	42	290	260	230	4650	4420
18	280	55	585	920	259	420	415	465	415	600	415	550	555	560	1110	470	735	855	600	135	450	1205	425	42	300	270	240	5125	4870
19	285	65	590	997	299	475	465	520	–	670	465	620	615	620	1240	470	850	850	690	155	435	1345	475	48	320	–	300	6600	6300
20	310	65	650	1057	299	475	465	520	–	670	465	620	615	620	1240	500	850	970	690	155	495	1405	475	48	340	–	320	7500	7200
21	330	75	655	1067	310	495	490	545	–	715	490	700	685	690	1390	500	900	900	720	170	485	1400	520	56	320	–	350	8900	8400
22	340	75	710	1122	310	495	490	545	–	725	490	700	685	690	1390	550	900	1010	720	170	540	1455	520	56	340	–	370	9600	9200
23	360	80	730	1185	342	560	540	610	–	785	540	780	770	770	1550	590	1010	1010	810	180	550	1560	580	56	430	–	470	11600	11000
24	380	80	795	1250	342	560	540	610	–	805	540	780	770	770	1550	590	1010	1140	810	180	615	1625	580	56	450	–	500	13000	12300
25	400	90	790	1325	400	600	605	650	–	875	605	860	860	860	1720	650	1090	1090	910	200	590	1685	660	66	600	–	660	15500	14700
26	430	90	880	1415	400	600	605	650	–	900	605	860	860	860	1720	650	1090	1270	910	200	680	1775	660	66	640	–	700	17200	16200

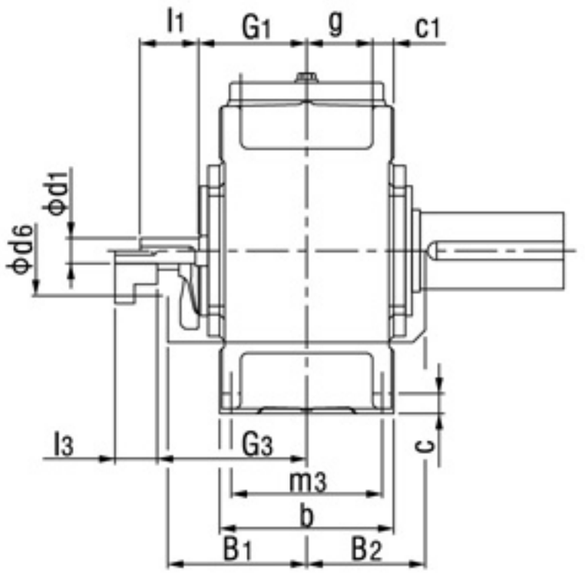
(1)*轴封；(2)*迷宫式密封。

(1)*Shaft seal, (2)*Labyrinth seal.

H3.H5 ~ H3.H12

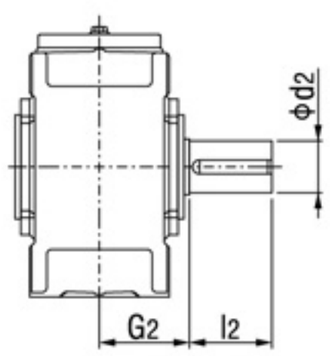
H3SH、H3HH、H3DH



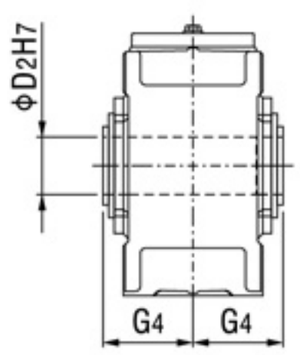


HB

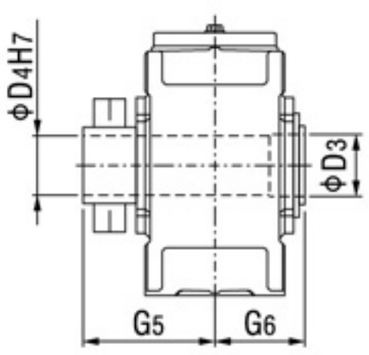
H3SH
实心轴
Solid shaft



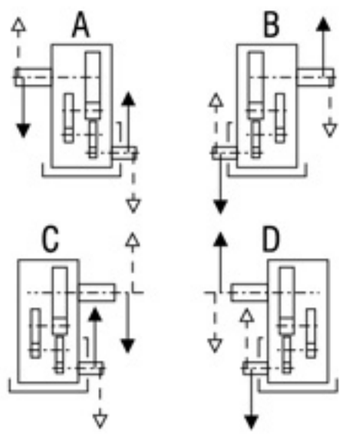
H3HH
空心轴
Hollow shaft



H3DH
带胀紧盘的空心轴
Hollow shaft for shrink disk



布置形式 Design:

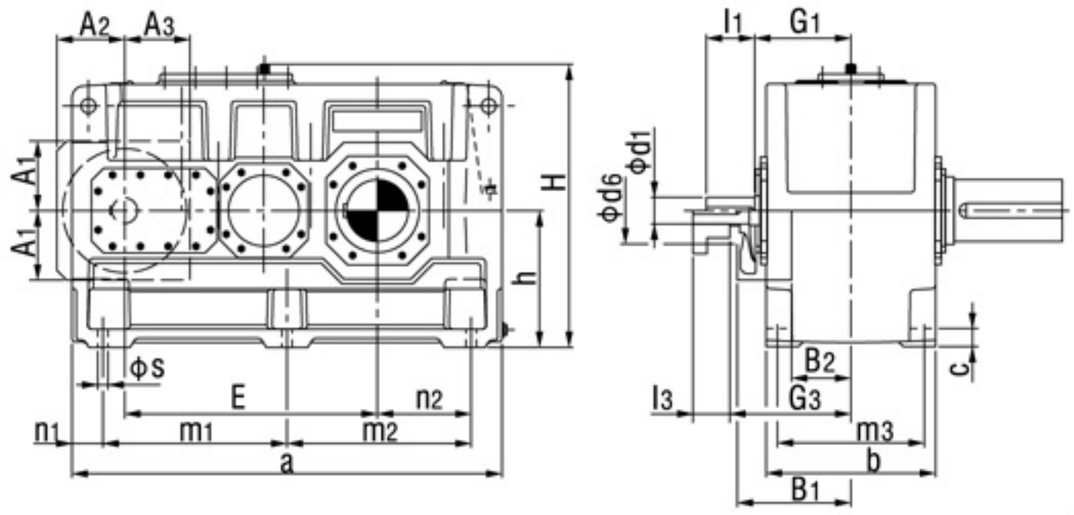


机座号 Size	i_N = 25 – 45			i_N = 31.5 – 56			i_N = 50 – 63			i_N = 63 – 80			i_N = 71 – 90			i_N = 90 – 112			a	A_4	A_1	A_2	A_3	b	B_1	B_2	c_1	c	d_2
	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3											
5	40	70	70				30	50	50				24	40	40				690	80	137	135	140	255	215	175	30±1	28	100
6				40	70	70				30	50	50				24	40	40	770	80	137	135	140	255	215	175	30±1	28	110
7	45	80	80				35	60	60				28	50	50				845	100	157	160	180	300	245	205	36±1	35	120
8				45	80	80				35	60	60				28	50	50	950	100	157	160	180	300	245	205	36±1	35	130
9	60	125	105				45	100	80				32	80	60				1000	120	182	190	205	370	295	240	45±1.5	40	140
10				60	125	105				45	100	80				32	80	60	1100	120	182	190	205	370	295	240	45±1.5	40	160
11	70	120	120				50	80	80				42	70	70				1200	150	218	220	255	430	325	280	54±1.5	50	170
12				70	120	120				50	80	80				42	70	70	1355	150	218	220	255	430	325	280	54±1.5	50	180

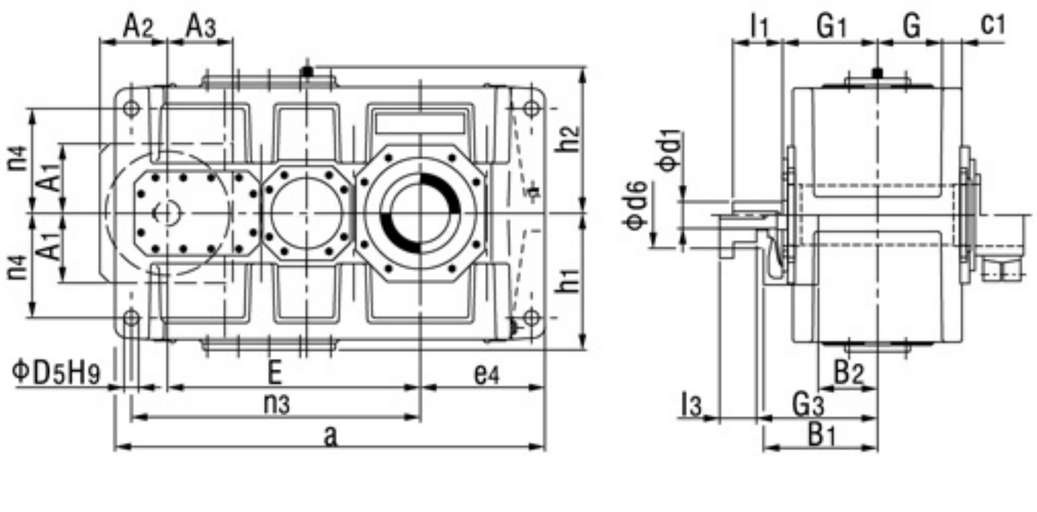
机座号 Size	d_6	D_2	D_3	D_4	D_5	E	g	G_1	G_2	G_3	G_4	G_5	G_6	h	H	l_2	m_1	m_3	n_1	n_2	n_3	n_4	s	润滑油oil (l)	重 量 weight (kg)
5	60	95	100	100	24	405	97.5	160	165	220	165	240	165	230	482	210	480	220	105	100	455	180	19	15	320
6	60	105	110	110	24	440	97.5	160	165	220	165	240	165	230	482	210	560	220	105	145	490	180	19	17	365
7	75	115	120	120	28	495	114	185	195	250	195	280	195	280	572	210	605	260	120	130	560	215	24	28	540
8	75	125	130	130	28	540	114	185	195	250	195	285	195	280	582	250	710	260	120	190	605	215	24	30	625
9	90	135	140	140	36	580	140	230	235	300	235	330	235	320	662	250	710	320	145	155	660	245	28	45	875
10	90	150	150	150	36	630	140	230	235	300	235	350	235	320	662	300	810	320	145	205	710	245	28	46	1020
11	100	165	165	165	40	705	161	255	270	330	270	400	270	380	782	300	870	370	165	180	805	300	35	85	1400
12	100	180	180	180	40	775	161	255	270	330	270	405	270	380	790	300	1025	370	165	265	875	300	35	90	1675

H3.H13 ~ H3.H26

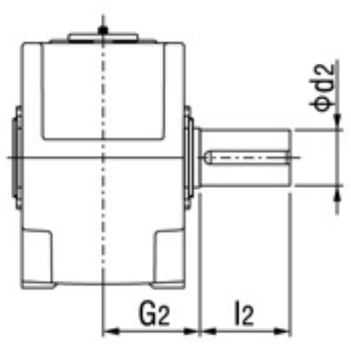
H3SH、H3HH、H3DH



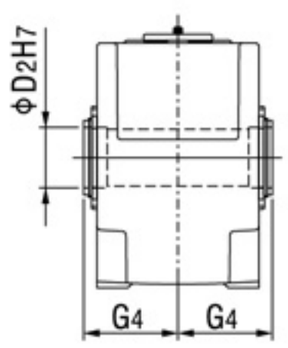
H3HM、H3DM



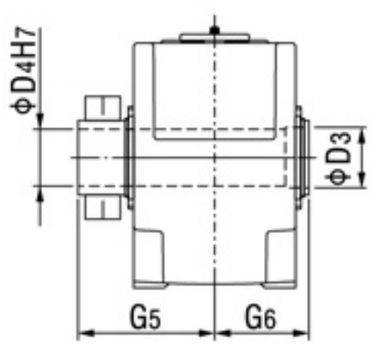
H3SH
实心轴
Solid shaft



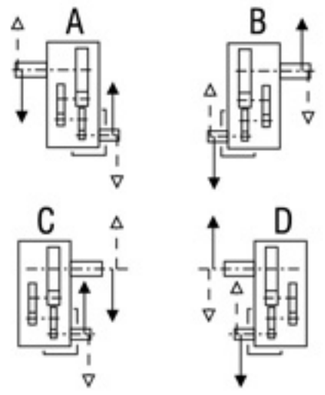
H3HH, H3HM
空心轴
Hollow shaft



H3DH, H3DM
带胀紧盘的空心轴
Hollow shaft for shrink disk



布置形式 Design:



机座号 Size	i_N=22.4-45			i_N=25-50			i_N=50-63			i_N=56-71			i_N=71-90			i_N=80-100			a	A_1	A_2	A_3	b	B_1	B_2	c	c_1	d_2	d6	D_2	D_3
	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3													
13	85	160	130				60	135	105				50	110	80				1395	225	225	212	550	380	195	60	61±2	200	120	190	190
14				i_N=28-56						i_N=63-80						i_N=90-112			1535	225	225	212	550	380	195	60	61±2	210	120	210	210
				85	160	130				60	135	105				50	110	80													
15	100	200	165				75	140	105				60	140	105				1680	270	265	252	625	415	205	70	72±2	230	150	230	230
16				100	200	165				75	140	105				60	140	105	1770	270	265	252	625	415	205	70	72±2	240	150	240	240
17	100	200	165				75	140	105				60	140	105				1770	270	265	252	690	445	235	80	81±2	250	150	250	250
18				100	200	165				75	140	105				60	140	105	1890	270	265	252	690	445	235	80	81±2	270	150	275	280
19	110	200	*				90	165	*				75	140	*				2030	*	*	*	790	*	*	90	91±2	290	*	–	285
20				110	200	*				90	165	*				75	140	*	2150	*	*	*	790	*	*	90	91±2	300	*	–	310
21	130	240	*				110	205	*				90	170	*				2340	*	*	*	830	*	*	100	100±2	320	*	–	330
22				130	240	*				110	205	*				90	170	*	2450	*	*	*	830	*	*	100	100±2	340	*	–	340
23	130	240	–				110	205	–				90	170	–				2530	–	–	–	930	–	–	115	120±2	360	–	–	360
24				130	240	–				110	205	–				90	170	–	2660	–	–	–	930	–	–	115	120±2	380	–	–	380
25	150	245	–				130	245	–				100	210	–				2830	–	–	–	1045	–	–	130	120±2	400	–	–	400
26				150	245	–				130	245	–				100	210	–	3010	–	–	–	1045	–	–	130	120±2	420	–	–	430

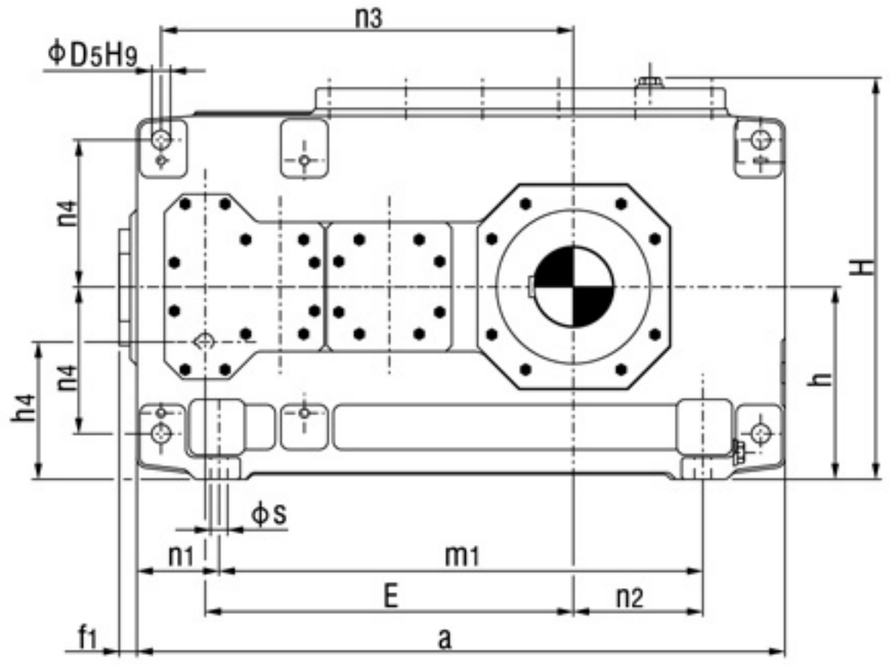
机座号 Size	D_4	D_5	e_2	E	g	G_1	G_2	G_3	G_4	G_5	G_6	h	h_1	h_2	H	l_2	m_1	m_2	m_3	n_1	n_2	n_3	n_4	s	润滑油oil (l)		重量 weight(kg)	
																									H3.H	H3.M	H3.H	H3.M
13	190	48	405	820	211.5	310	335	385	335	480	335	440	450	460	900	350	597.5	597.5	475	100	305	940	340	35	160	125	2295	2155
14	210	48	475	890	211.5	310	335	385	335	480	335	440	450	460	900	350	597.5	737.5	475	100	375	1010	340	35	165	130	2625	2490
15	230	55	485	987	238	350	380	420	380	550	380	500	490	500	1000	410	720	720	535	120	365	1135	375	42	235	190	3475	3260
16	240	55	530	1033	238	350	380	420	380	550	380	500	490	500	1000	410	720	810	535	120	410	1180	375	42	245	195	3875	3625
17	250	55	525	1035	259	380	415	450	415	600	415	550	555	560	1110	410	750	750	600	135	390	1175	425	42	305	240	4560	4250
18	280	55	585	1095	259	380	415	450	415	600	415	550	555	560	1110	470	750	870	600	135	450	1235	425	42	315	250	5030	4740
19	285	65	590	1190	299	430	465	*	–	670	465	620	615	620	1240	470	860	860	690	155	435	1365	475	48	420	390	6700	6200
20	310	65	650	1250	299	430	465	*	–	670	465	620	615	620	1240	500	860	980	690	155	495	1425	475	48	450	415	8100	7600
21	330	75	655	1387	310	470	490	*	–	715	490	700	685	690	1390	500	1000	1000	720	170	485	1600	520	56	470	510	9100	8500
22	340	75	710	1442	310	470	490	*	–	725	490	700	685	690	1390	550	1000	1110	720	170	540	1655	520	56	490	540	9800	9300
23	360	80	730	1505	342	510	540	–	–	785	540	780	770	790	1570	590	1085	1085	810	180	550	1725	580	56	620	690	11500	10600
24	380	80	795	1570	342	510	540	–	–	805	540	780	770	790	1570	590	1085	1215	810	180	615	1790	580	56	650	725	13400	12500
25	400	90	790	1695	400	570	605	–	–	875	605	860	860	860	1720	650	1215	1215	910	200	590	1965	660	66	880	970	16100	15200
26	430	90	880	1785	400	570	605	–	–	900	605	860	860	860	1720	650	1215	1395	910	200	680	2055	660	66	935	1030	17600	16500

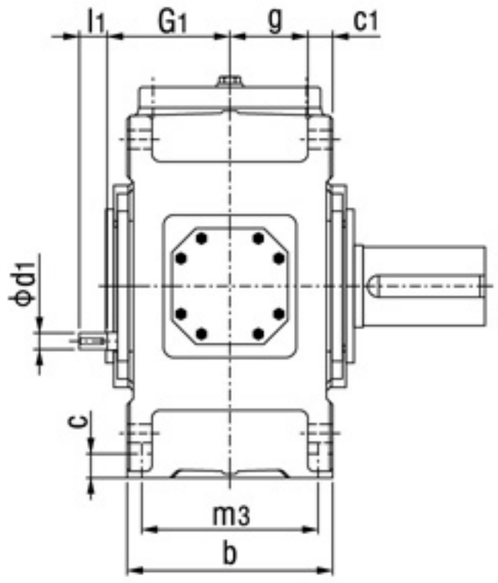
注：“*”按客户要求供货。　　Note: * On request.



H4.H7 ~ H4.H12

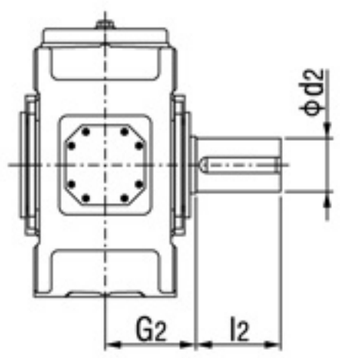
H4SH、H4HH、H4DH



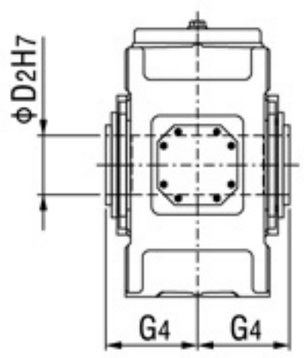


HB

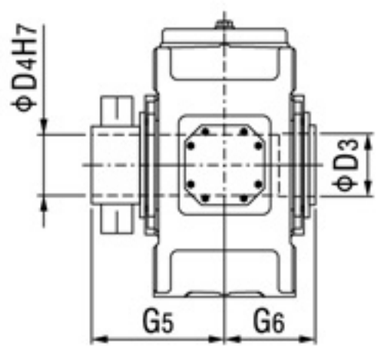
H4SH
实心轴
Solid shaft



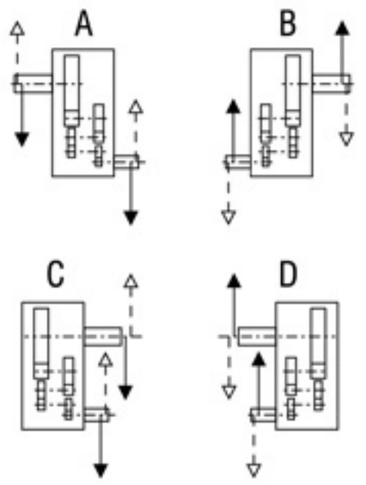
H4HH
空心轴
Hollow shaft



H4DH
带胀紧盘的空心轴
Hollow shaft for shrink disk



布置形式 Design:



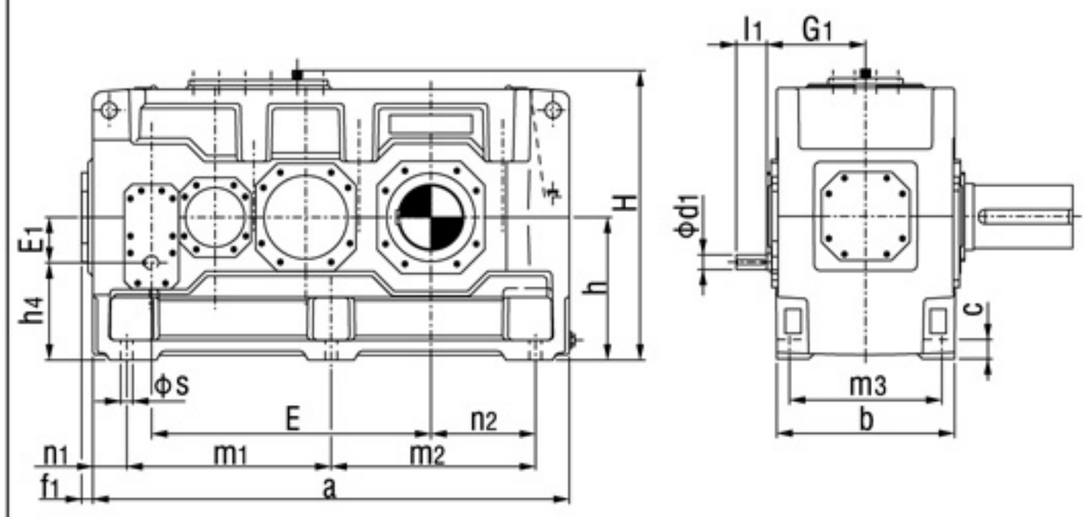
机座号 Size	i_N = 100 – 180		i_N = 125 – 224		i_N = 200 – 355		i_N = 250 – 450		a	b	c	c_1	d_2	D_2	D_3	D_4	D_5	E
	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1										
7	30	50			24	40			845	300	35	36±1	120	115	120	120	28	495
8			30	50			24	40	950	300	35	36±1	130	125	130	130	28	540
9	35	60			28	50			1000	370	40	45±1.5	140	135	140	140	36	580
10			35	60			28	50	1100	370	40	45±1.5	160	150	150	150	36	630
11	45	100			32	80			1200	430	50	54±1.5	170	165	165	165	40	705
12			45	100			32	80	1355	430	50	54±1.5	180	180	180	180	40	775

机座号 Size	f_1	g	G_1	G_2	G_4	G_5	G_6	h	h_4	H	l_2	m_1	m_3	n_1	n_2	n_3	n_4	s	润滑油 oil (l)	重 量 weight (kg)
7	37	114	180	195	195	280	195	280	200	572	210	605	260	120	130	560	215	24	25	550
8	37	114	180	195	195	285	195	280	200	582	250	710	260	120	190	605	215	24	27	645
9	43	140	215	235	235	330	235	320	230	662	250	710	320	145	155	660	245	28	48	875
10	43	140	215	235	235	350	235	320	230	662	300	810	320	145	205	710	245	28	50	1010
11	47	161	250	270	270	400	270	380	270	782	300	870	370	165	180	805	300	35	80	1460
12	47	161	250	270	270	405	270	380	270	790	300	1025	370	165	265	875	300	35	87	1725

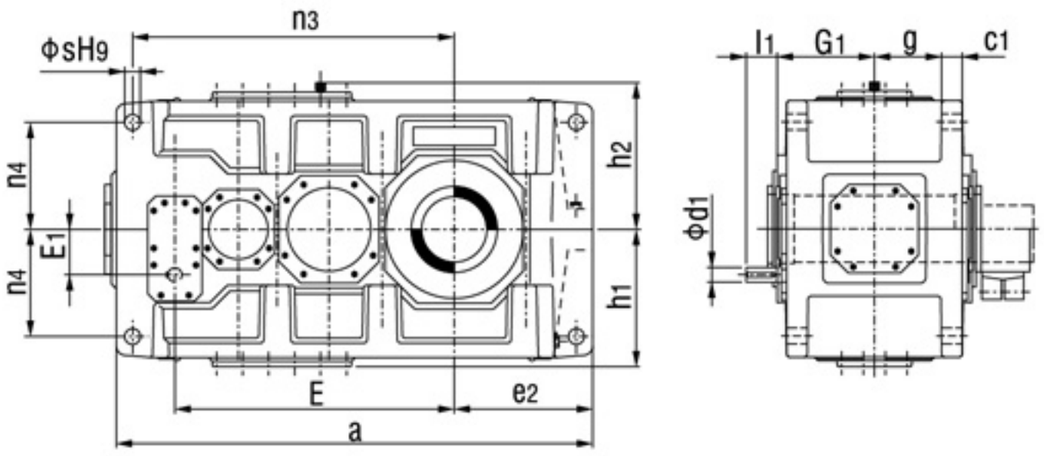
H4.H13 ~ H4.H26

HB

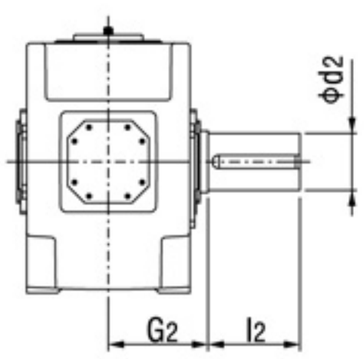
H4SH、H4HH、H4DH



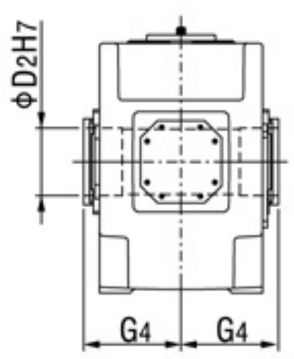
H4HM、H4DM



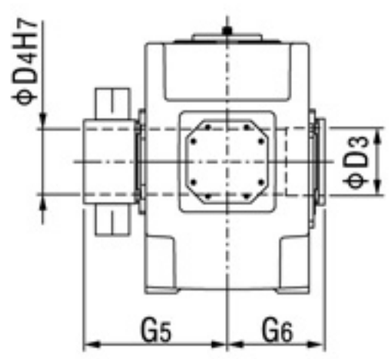
H4SH
实心轴
Solid shaft



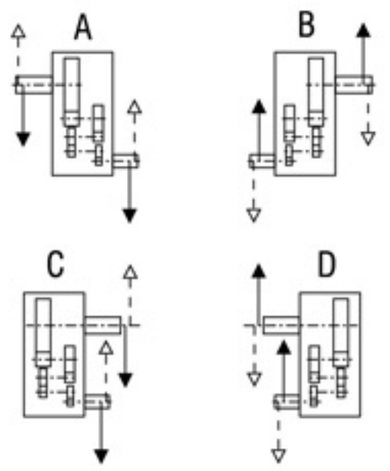
H4HH, H4HM
空心轴
Hollow shaft



H4DH, H4DM
带胀紧盘的空心轴
Hollow shaft for shrink disk



布置形式 Design:



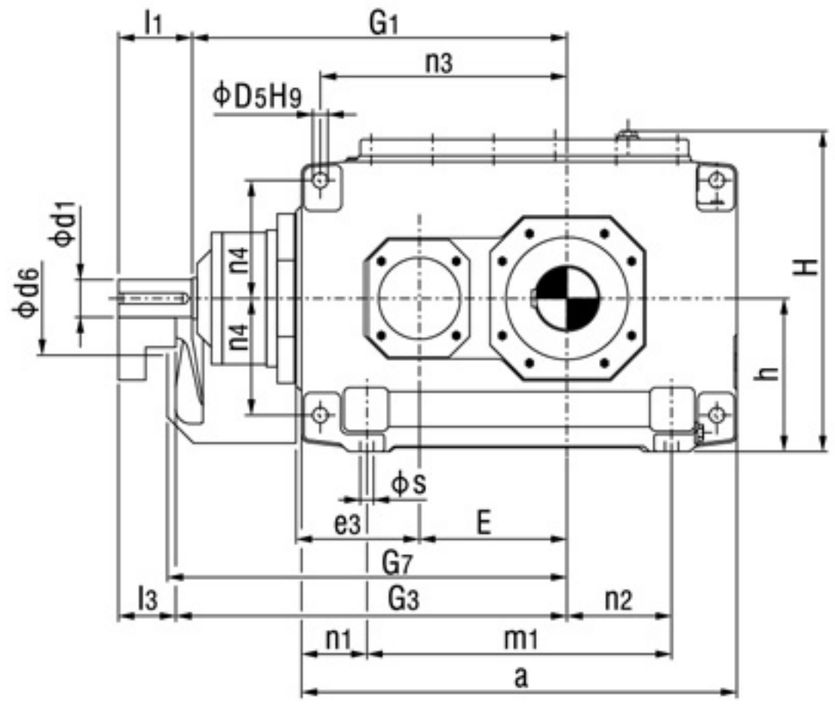
机座号 Size	i_N=100-180		i_N=112-200		i_N=125-224		i_N=200-355		i_N=224-400		i_N=250-450		a	b	c	c1	d2	D2	D3	D4	D5	e2	E	E1
	d1	l1	d1	l1	d1	l1	d1	l1	d1	l1	d1	l1												
13	50	100					38	80					1395	550	60	61 ± 2	200	190	190	190	48	405	820	130
14					50	100					38	80	1535	550	60	61 ± 2	210	210	210	210	48	475	890	130
15	60	135					50	110					1680	625	70	72 ± 2	230	230	230	230	55	485	987	160
16			60	135					50	110			1770	625	70	72 ± 2	240	240	240	240	55	530	1033	160
17	60	105					50	80					1770	690	80	81 ± 2	250	250	250	250	55	525	1035	160
18			60	105					50	80			1890	690	80	81 ± 2	270	275	280	280	55	585	1095	160
19	75	105					60	105					2030	790	90	91 ± 2	290	–	285	285	65	590	1190	185
20			75	105					60	105			2150	790	90	91 ± 2	300	–	310	310	65	650	1250	185
21	90	165					70	140					2340	830	100	100 ± 2	320	–	330	330	75	655	1387	225
22			90	165					70	140			2450	830	100	100 ± 2	340	–	340	340	75	710	1442	225
23	90	165					70	105					2530	930	115	120 ± 2	360	–	360	360	80	730	1505	225
24			90	165					70	105			2660	930	115	120 ± 2	380	–	380	380	80	795	1570	225
25	100	205					85	170					2830	1045	130	120 ± 2	400	–	400	400	90	790	1695	265
26			100	205					85	170			3010	1045	130	120 ± 2	420	–	430	430	90	880	1785	265

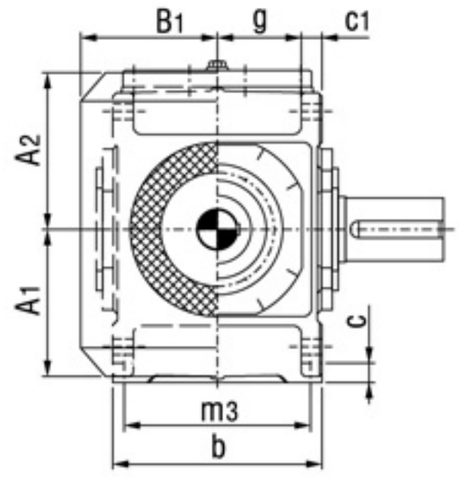
机座号 Size	f1	g	G1	G2	G4	G5	G6	h	h1	h2	h4	H	l2	m1	m2	m3	n1	n2	n3	n4	s	润滑油oil (l)		重量weight(kg)	
																						H4.H	H4.M	H4.H	H4.M
13	47	211.5	305	335	335	480	335	440	450	460	310	900	350	597.5	597.5	475	100	305	940	340	35	130	120	2390	2270
14	47	211.5	305	335	335	480	335	440	450	460	310	900	350	597.5	737.5	475	100	375	1010	340	35	140	125	2730	2600
15	56	238	345	380	380	550	380	500	490	500	340	1000	410	720	720	535	120	365	1135	375	42	230	170	3635	3440
16	56	238	345	380	380	550	380	500	490	500	340	1000	410	720	810	535	120	410	1180	375	42	235	175	3965	3740
17	53	259	380	415	415	600	415	550	555	560	390	1110	410	750	750	600	135	390	1175	425	42	290	225	4680	4445
18	53	259	380	415	415	600	415	550	555	560	390	1110	470	750	870	600	135	450	1235	425	42	305	230	5185	4915
19	53	299	440	465	–	670	465	620	615	620	435	1240	470	860	860	690	155	435	1365	475	48	360	310	6800	6300
20	53	299	440	465	–	670	465	620	615	620	435	1240	500	860	980	690	155	495	1425	475	48	380	330	8200	7700
21	62	310	460	490	–	715	490	700	685	690	475	1390	500	1000	1000	720	170	485	1600	520	56	395	430	9200	8600
22	62	310	460	490	–	725	490	700	685	690	475	1390	550	1000	1110	720	170	540	1655	520	56	420	450	9900	9400
23	35	342	505	540	–	785	540	780	770	790	555	1570	590	1085	1085	810	180	550	1725	580	56	520	500	11600	10700
24	35	342	505	540	–	805	540	780	770	790	555	1570	590	1085	1215	810	180	615	1790	580	56	550	600	13500	12600
25	65	400	565	605	–	875	605	860	860	860	595	1720	650	1215	1215	910	200	590	1965	660	66	735	800	16100	15200
26	65	400	565	605	–	900	605	860	860	860	595	1720	650	1215	1395	910	200	680	2055	660	66	780	850	17600	16500



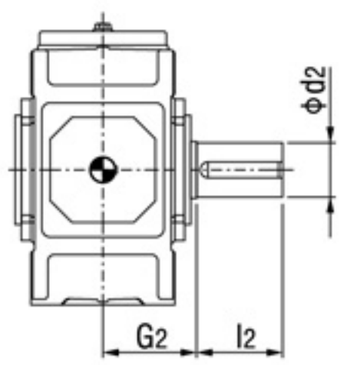
B2.H4 ~ B2.H12

B2SH、B2HH、B2DH

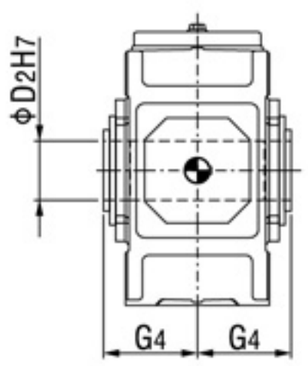




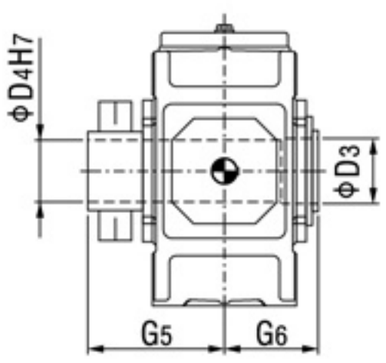
B2SH
实心轴
Solid shaft



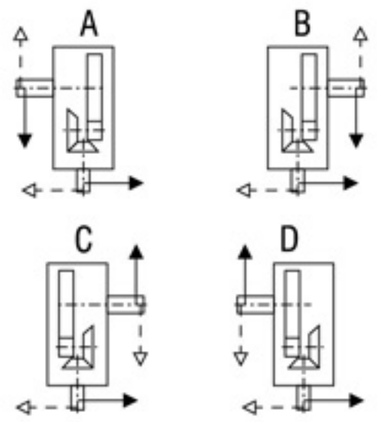
B2HH
空心轴
Hollow shaft



B2DH
带胀紧盘的空心轴
Hollow shaft for shrink disk



布置形式 Design:



机座号 Size	i_N = 5 - 11.2			i_N = 6.3 - 14			a	A1	A2	b	B1	c	c1	d2	d6	D2	D3	D4	D5	e3	E
	d1	l1	l3	d1	l1	l3															
4	50	100	80				505	195	200	270	188	28	30±1	80	150	80	85	85	24	160	160
5	60	110	80				565	220	235	320	215	28	30±1	100	160	95	100	100	24	185	185
6				60	110	80	645	220	235	320	215	28	30±1	110	160	105	110	110	24	185	220
7	75	135	105				690	270	285	380	250	35	36±1	120	210	115	120	120	28	225	225
8				75	135	105	795	270	285	380	250	35	36±1	130	210	125	130	130	28	225	270
9	85	165	130				820	310	325	440	270	40	48±1.5	140	195	135	140	140	36	265	265
10				85	165	130	920	310	325	440	270	40	48±1.5	160	195	150	150	150	36	265	315
11	95	165	130				975	370	385	530	328	50	54±1.5	170	210	165	165	165	40	320	320
12				95	165	130	1130	370	385	530	328	50	54±1.5	180	210	180	180	180	40	320	390

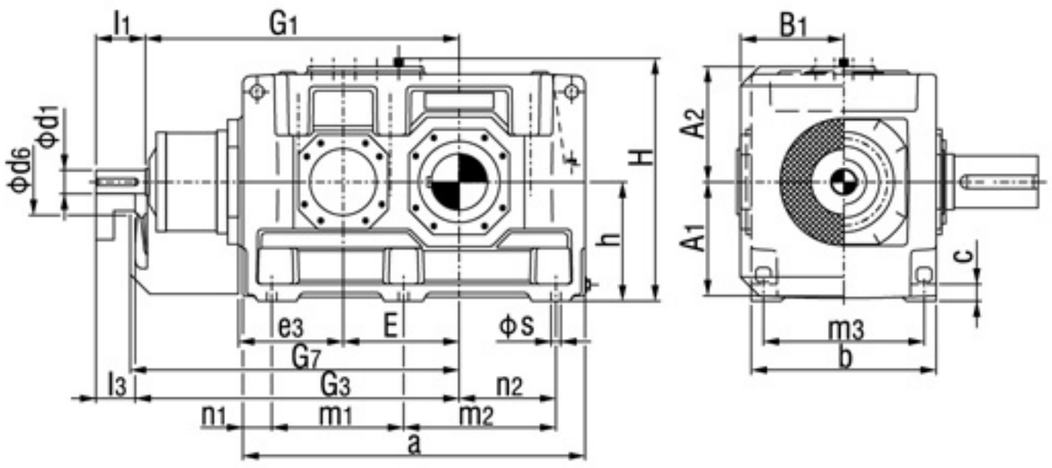
机座号 Size	g	G1	G2	G3	G4	G5	G6	G7	h	H	l2	m1	m3	n1	n2	n3	n4	s	润滑油oil (l)		重 量 weight (kg)
																			(1)*	(2)*	
4	105	465	170	485	170	235	170	495	200	415	170	295	235	105	85	285	150	19	10	–	235
5	130	535	200	565	200	275	200	575	230	482	210	355	285	105	100	330	180	19	16	14	360
6	130	570	200	600	200	275	200	610	230	482	210	435	285	105	145	365	180	19	19	15	410
7	154	640	235	670	235	320	235	685	280	582	210	450	340	120	130	405	215	24	31	28	615
8	154	685	235	715	235	325	235	730	280	582	250	555	340	120	190	450	215	24	34	29	700
9	172	755	270	790	270	365	270	805	320	662	250	530	390	145	155	480	245	28	48	38	1000
10	172	805	270	840	270	385	270	855	320	662	300	630	390	145	205	530	245	28	50	40	1155
11	211	925	320	960	320	450	320	980	380	790	300	645	470	165	180	580	300	35	80	65	1640
12	211	995	320	1030	320	455	320	1050	380	790	300	800	470	165	265	650	300	35	95	71	1910

(1)*轴封；(2)*迷宫式密封。

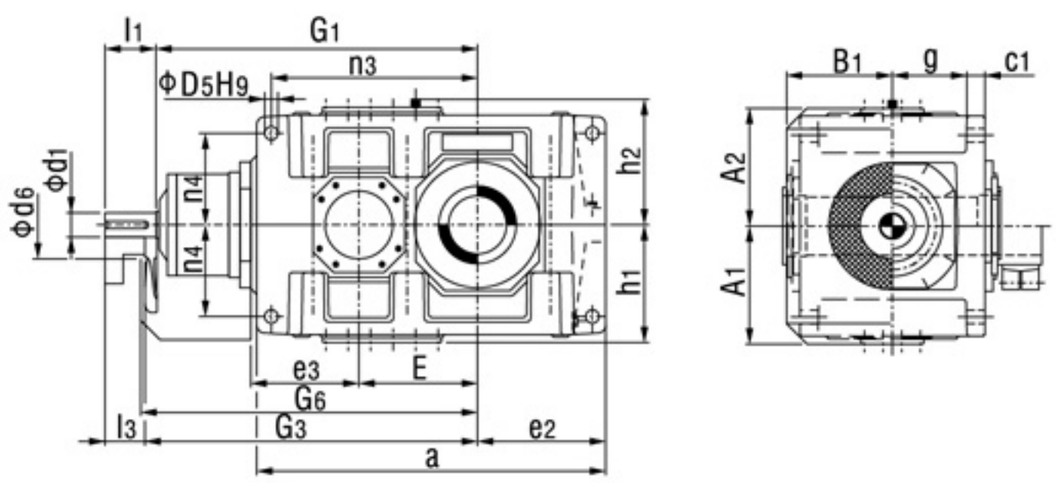
(1)*Shaft seal, (2)*Labyrinth seal.

B2.H13 ~ B2.H18

B2SH、B2HH、B2DH

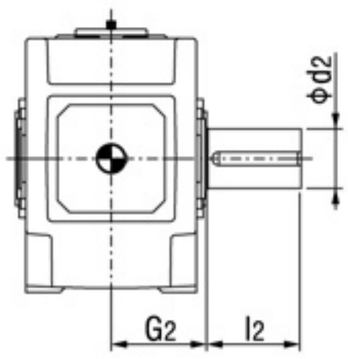


B2HM、B2DM

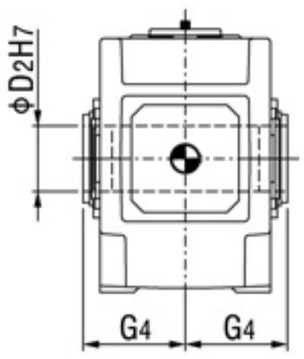


HB

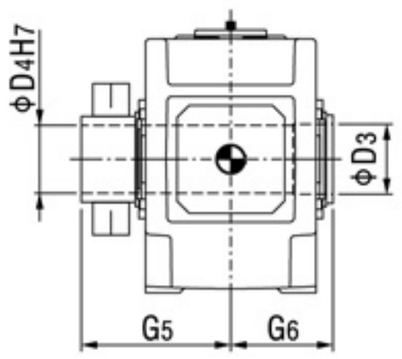
B2SH
实心轴
Solid shaft



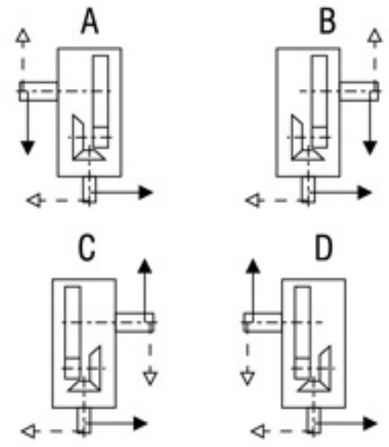
B2HH, B2HM
空心轴
Hollow shaft



B2DH, B2DM
带胀紧盘的空心轴
Hollow shaft for shrink disk



布置形式 Design:



机座号 Size	i_N=5-11.2			i_N=5.6-11.2			i_N=5.6-12.5			i_N=6.3-14			i_N=7.1-12.5			a	A1	A2	b	B1	c	c1	d2	d6	D2	D3	D4	D5	e2	e3
	d1	l1	l3	d1	l1	l3	d1	l1	l3	d1	l1	l3	d1	l1	l3																
13	115	205	165													1130	430	450	655	375	60	61 ± 2	200	245	–	–	–	48	405	380
14										115	205	165				1270	430	450	655	375	60	61 ± 2	210	245	210	210	210	48	475	380
15	140	245	200													1350	490	495	765	435	70	72 ± 2	230	280	–	–	–	55	485	450
16							140	245	200							1440	490	495	765	435	70	72 ± 2	240	280	240	240	240	55	530	450
17				150	245	200										1490	540	555	885	505	80	81 ± 2	250	380	–	–	–	65	525	510
18													150	245	200	1610	540	555	885	505	80	81 ± 2	270	380	275	280	280	65	585	510

机座号 Size	E	g	G1	G2	G3	G4	G5	G6	G7	h	h1	h2	H	l2	m1	m2	m3	n1	n2	n3	n4	s	润滑油oil (l) B2.H (1)*	润滑油oil (l) B2.H (2)*	润滑油oil (l) B2.M	重量 weight (kg) B2.H	重量 weight (kg) B2.M
13	370	264	1070	390	1110	–	–	–	1130	440	450	460	900	350	465	465	580	100	305	675	340	35	140	125	120	2450	2350
14	440	264	1140	390	1180	390	535	390	1200	440	450	460	900	350	465	605	580	100	375	745	340	35	155	140	130	2825	2725
15	442	308	1277	460	1322	–	–	–	1340	500	490	500	1000	410	555	555	670	120	365	805	375	42	220	195	180	3990	3795
16	488	308	1323	460	1368	450	620	450	1385	500	490	500	1000	410	555	645	670	120	410	850	375	42	230	205	190	4345	4160
17	490	356	1435	540	1480	–	–	–	1500	550	555	560	1110	410	610	610	780	135	390	895	420	48	320	280	260	5620	5320
18	550	356	1495	540	1540	510	700	510	1560	550	555	560	1110	470	610	730	780	135	450	955	420	48	335	300	275	6150	5860

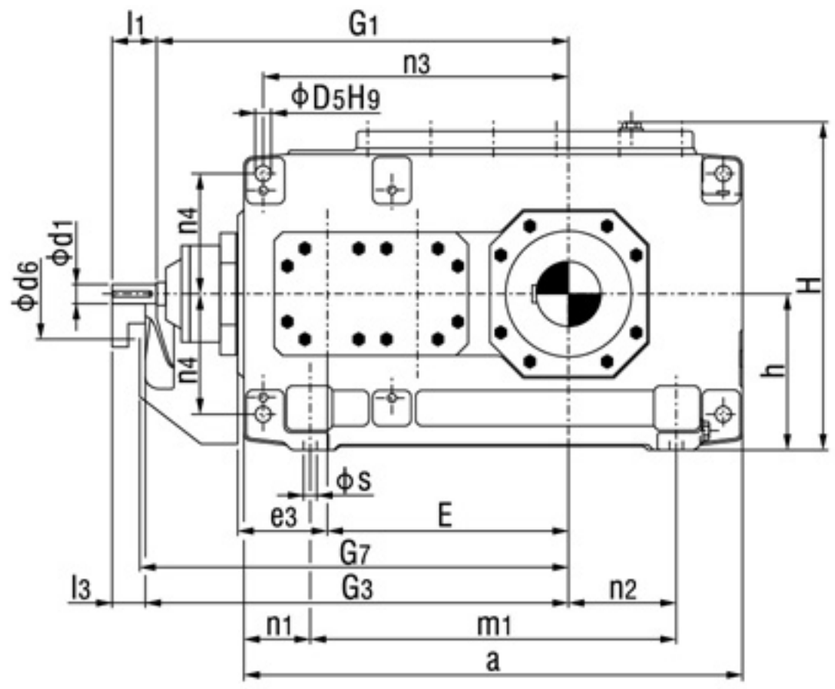
(1)*轴封；(2)*迷宫式密封。

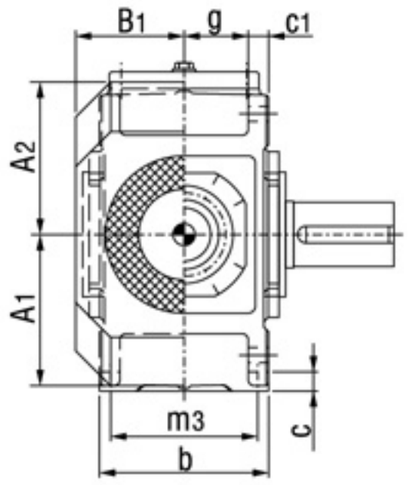
(1)*Shaft seal, (2)*Labyrinth seal.



B3.H4 ~ B3.H12

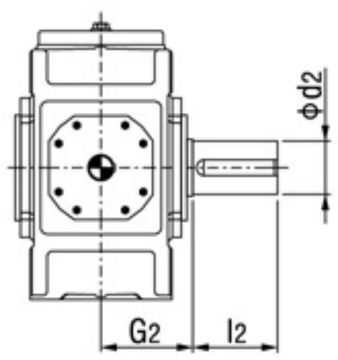
B3SH、B3HH、B3DH



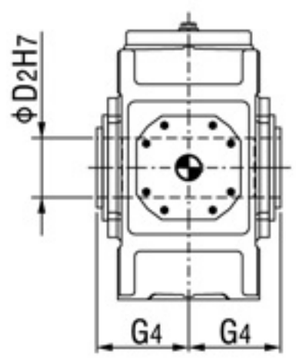


HB

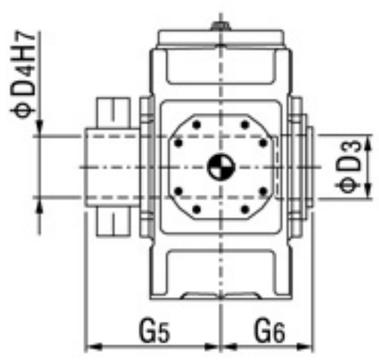
B3SH
实心轴
Solid shaft



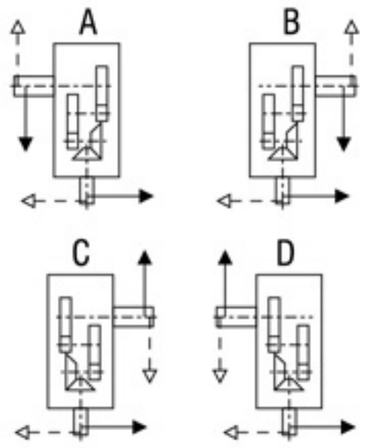
B3HH
空心轴
Hollow shaft



B3DH
带胀紧盘的空心轴
Hollow shaft for shrink disk



布置形式 Design:



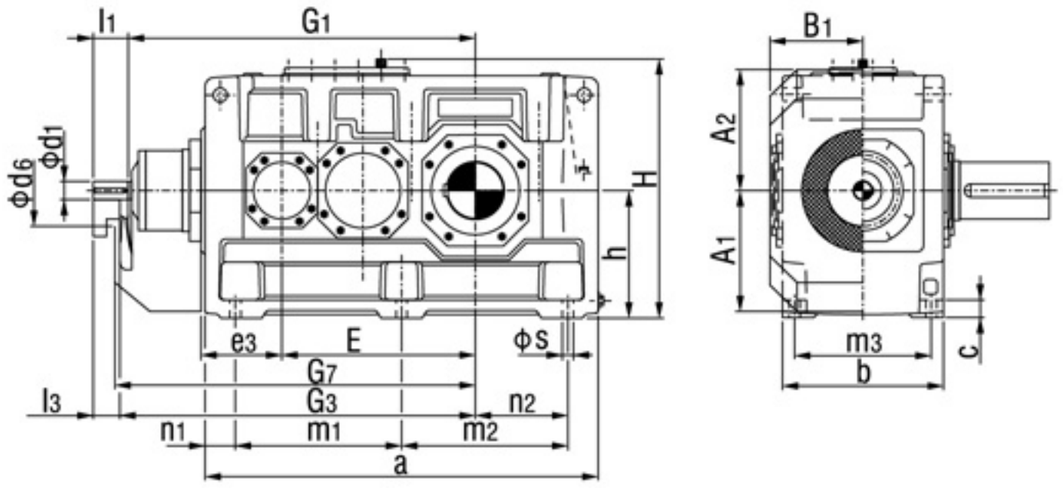
机座号 Size	i_N = 12.5 - 45			i_N = 16 - 56			i_N = 50 - 71			i_N = 63 - 90			a	A_1	A_2	b	B_1	c	c_1	d_2	d_6	D_2	D_3	D_4
	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3												
4	35	70	50				30	60	40				565	195	200	215	143	28	30 ± 1	80	110	80	85	85
5	45	80	60				35	60	40				640	220	235	255	168	28	30 ± 1	100	130	95	100	100
6				45	80	60				35	60	40	720	220	235	255	168	28	30 ± 1	110	130	105	110	110
7	50	100	80				40	80	60				785	275	275	300	193	35	36 ± 1	120	165	115	120	120
8				50	100	80				40	80	60	890	275	275	300	193	35	36 ± 1	130	165	125	130	130
9	60	110	80				50	100	70				925	315	325	370	231	40	45 ± 1.5	140	175	135	140	140
10				60	110	80				50	100	70	1025	315	325	370	231	40	45 ± 1.5	160	175	150	150	150
11	75	135	105				60	110	80				1105	370	385	430	263	50	54 ± 1.5	170	190	165	165	165
12				75	135	105				60	110	80	1260	370	385	430	263	50	54 ± 1.5	180	190	180	180	180

机座号 Size	D_5	e_3	E	g	G_1	G_2	G_3	G_4	G_5	G_6	G_7	h	h_5	H	l_2	m_1	m_3	n_1	n_2	n_3	n_4	s	润滑油oil (l)	重量 weight (kg)
4	24	110	270	77.5	500	140	520	140	205	140	530	200	100	415	170	355	180	105	85	345	150	19	9	210
5	24	130	315	97.5	575	165	595	165	240	165	605	230	130	482	210	430	220	105	100	405	180	19	14	325
6	24	130	350	97.5	610	165	630	165	240	165	640	230	130	482	210	510	220	105	145	440	180	19	15	380
7	28	160	385	114	690	195	710	195	280	195	720	280	170	572	210	545	260	120	130	500	215	24	25	550
8	28	160	430	114	735	195	755	195	285	195	765	280	160	582	250	650	260	120	190	545	215	24	28	635
9	36	185	450	140	800	235	830	235	330	235	845	320	175	662	250	635	320	145	155	585	245	28	40	890
10	36	185	500	140	850	235	880	235	350	235	895	320	175	662	300	735	320	145	205	635	245	28	42	1020
11	40	225	545	161	960	270	990	270	400	270	1010	380	220	782	300	775	370	165	180	710	300	35	66	1455
12	40	225	615	161	1030	270	1060	270	405	270	1080	380	210	790	300	930	370	165	265	780	300	35	72	1730

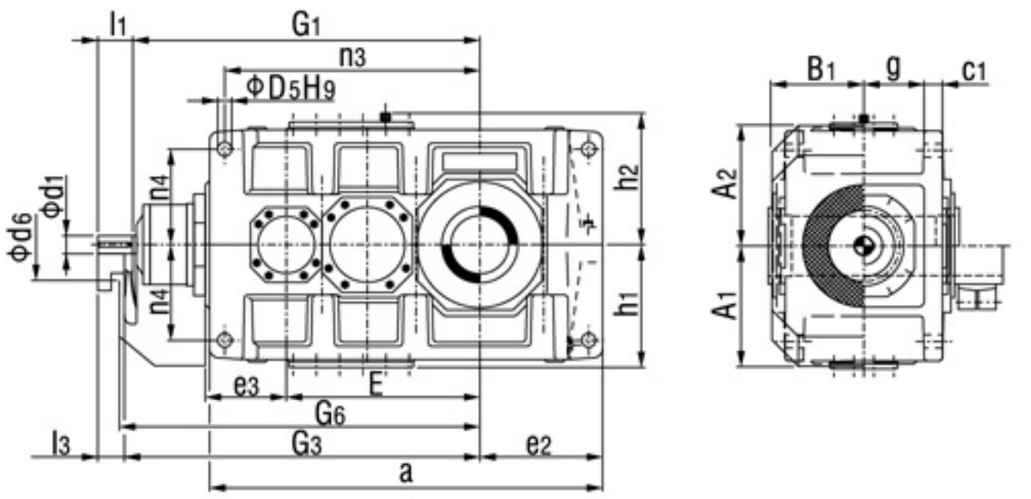
B3.H13 ~ B3.H26

HB

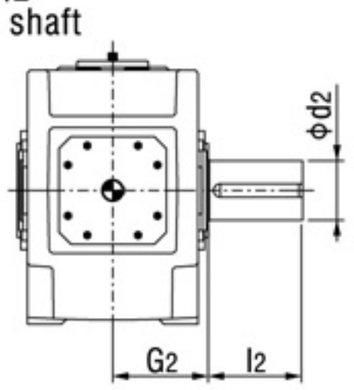
B3SH、B3HH、B3DH



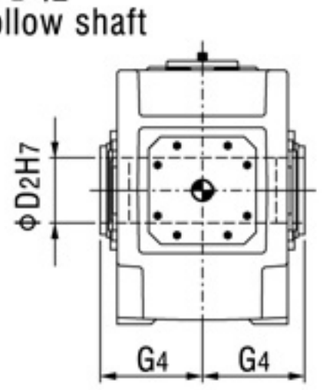
B3HM、B3DM



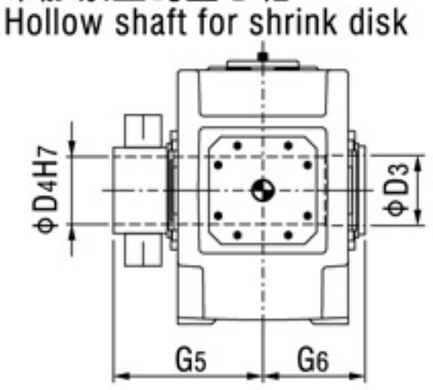
B3SH
实心轴
Solid shaft



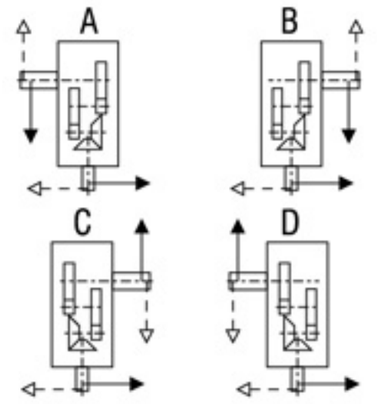
B3HH, B3HM
空心轴
Hollow shaft



B3DH, B3DM
带胀紧盘的空心轴
Hollow shaft for shrink disk



布置形式 Design:



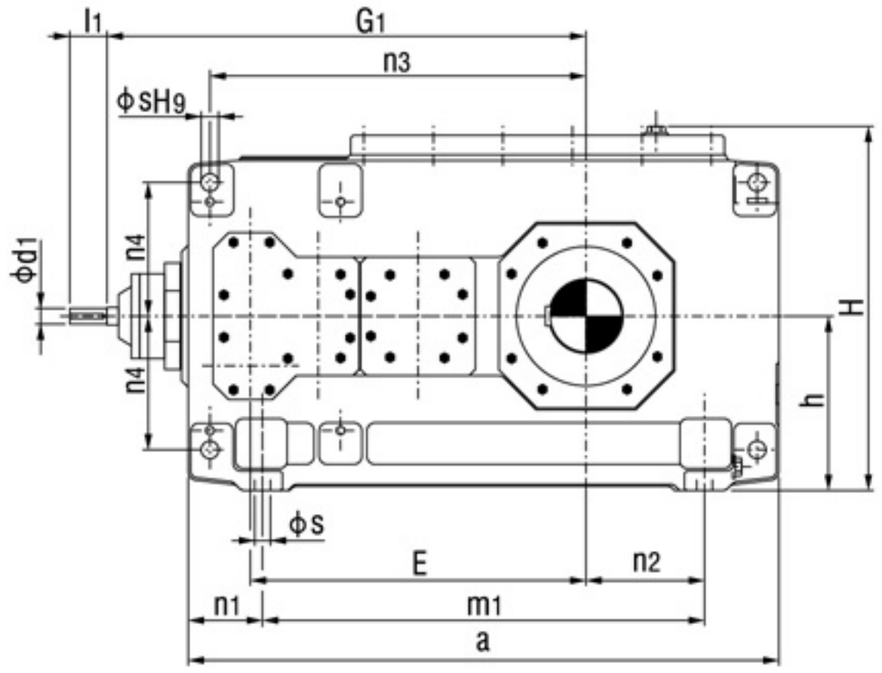
机座号 Size	i_N=12.5-45			i_N=14-50			i_N=16-56			i_N=50-71			i_N=56-80			i_N=63-90			a	A1	A2	b	B1	c	c1	d2	d6	D2	D3	D4
	d1	l1	l3	d1	l1	l3	d1	l1	l3	d1	l1	l3	d1	l1	l3	d1	l1	l3											
13	85	165	130							70	140	105							1290	425	435	550	325	60	61 ± 2	200	210	190	190	190
14							85	165	130							70	140	105	1430	425	435	550	325	60	61 ± 2	210	210	210	210	210
15	95	165	130							75	140	105							1550	485	520	625	365	70	72 ± 2	230	210	230	230	230
16				95	165	130							75	140	105				1640	485	520	625	365	70	72 ± 2	240	210	240	240	240
17	115	205	165							90	170	130							1740	535	570	690	395	80	81 ± 2	250	230	250	250	250
18				115	205	165							90	170	130				1860	535	570	690	395	80	81 ± 2	270	230	275	280	280
19	140	245	200							110	210	165							2010	610	630	790	448	90	91 ± 2	290	245	–	285	285
20				140	245	200							110	210	165				2130	610	630	790	448	90	91 ± 2	300	245	–	310	310
21	140	245	200							110	210	165							2140	690	690	830	473	100	100 ± 2	320	280	–	330	330
22				140	245	200							110	210	165				2250	690	690	830	473	100	100 ± 2	340	280	–	340	340
23	150	245	200							115	210	165							2380	770	770	930	528	115	120 ± 2	360	350	–	360	360
24				150	245	200							115	210	165				2510	770	770	930	528	115	120 ± 2	380	350	–	380	380
25	150	245	200							115	210	165							2580	845	865	1045	585	130	120 ± 2	400	380	–	400	400
26				150	245	200							115	210	165				2760	845	865	1045	585	130	120 ± 2	420	380	–	430	430

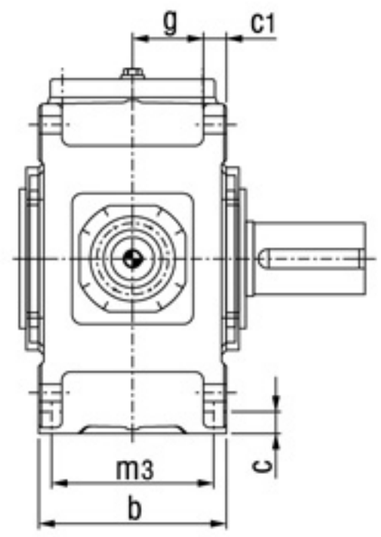
机座号 Size	D_5	e_2	e_3	E	g	G_1	G_2	G_3	G_4	G_5	G_6	G_7	h	h_1	h_2	H	l_2	m_1	m_2	m_3	n_1	n_2	n_3	n_4	s	润滑油oil (l)		重 量 weight (kg)	
																										B3.H	B3.M	B3.H	B3.M
13	48	405	265	635	211.5	1125	335	1160	335	480	335	1180	440	450	460	900	350	545	545	475	100	305	835	340	35	130	110	2380	2260
14	48	475	265	705	211.5	1195	335	1230	335	480	335	1250	440	450	460	900	350	545	685	475	100	375	905	340	35	140	115	2750	2615
15	55	485	320	762	238	1367	380	1402	380	550	380	1420	500	490	500	1000	410	655	655	535	120	365	1005	375	42	210	160	3730	3540
16	55	530	320	808	238	1413	380	1448	380	550	380	1470	500	490	500	1000	410	655	745	535	120	410	1050	375	42	220	165	3955	3765
17	55	525	370	860	259	1560	415	1600	415	600	415	1620	550	555	560	1110	410	735	735	600	135	390	1145	425	42	290	230	4990	4760
18	55	585	370	920	259	1620	415	1660	415	600	415	1680	550	555	560	1110	470	735	855	600	135	450	1205	425	42	300	235	5495	5240
19	65	590	420	997	299	1832	465	1877	–	670	465	1900	620	615	620	1240	470	850	850	690	155	435	1345	475	48	380	360	7000	6500
20	65	650	420	1057	299	1892	465	1937	–	670	465	1960	620	615	620	1240	500	850	970	690	155	495	1405	475	48	440	420	8100	7600
21	75	655	450	1067	310	1902	490	1947	–	715	490	1970	700	685	690	1390	500	900	900	720	170	485	1400	520	56	370	420	9200	8600
22	75	710	450	1122	310	1957	490	2002	–	725	490	2025	700	685	690	1390	550	900	1010	720	170	540	1455	520	56	430	490	9900	9400
23	80	730	490	1185	342	2130	540	2175	–	785	540	2200	780	770	790	1570	590	1010	1010	810	180	550	1560	580	56	520	560	11500	10600
24	80	795	490	1250	342	2195	540	2240	–	805	540	2265	780	770	790	1570	590	1010	1140	810	180	615	1625	580	56	600	650	13400	12500
25	90	790	490	1325	400	2270	605	2315	–	875	605	2315	860	860	860	1720	650	1090	1090	910	200	590	1685	660	66	720	790	16000	15100
26	90	880	490	1415	400	2360	605	2405	–	900	605	2430	860	860	860	1720	650	1090	1270	910	200	680	1775	660	66	840	920	17500	16400



B4.H5 ~ B4.H12

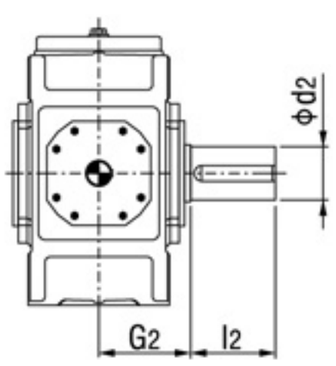
B4SH、B4HH、B4DH



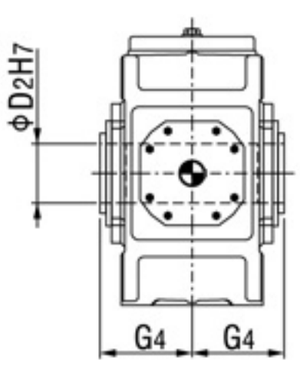


HB

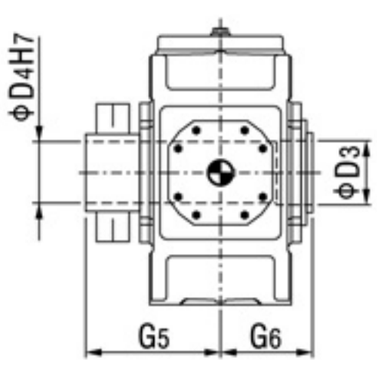
B4SH
实心轴
Solid shaft



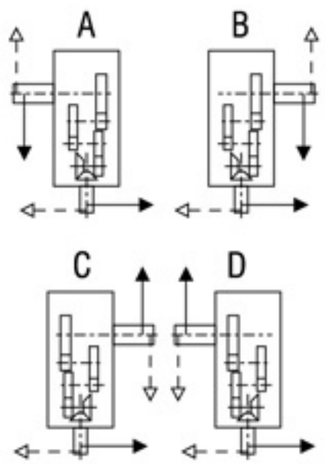
B4HH
空心轴
Hollow shaft



B4DH
带胀紧盘的空心轴
Hollow shaft for shrink disk



布置形式 Design:



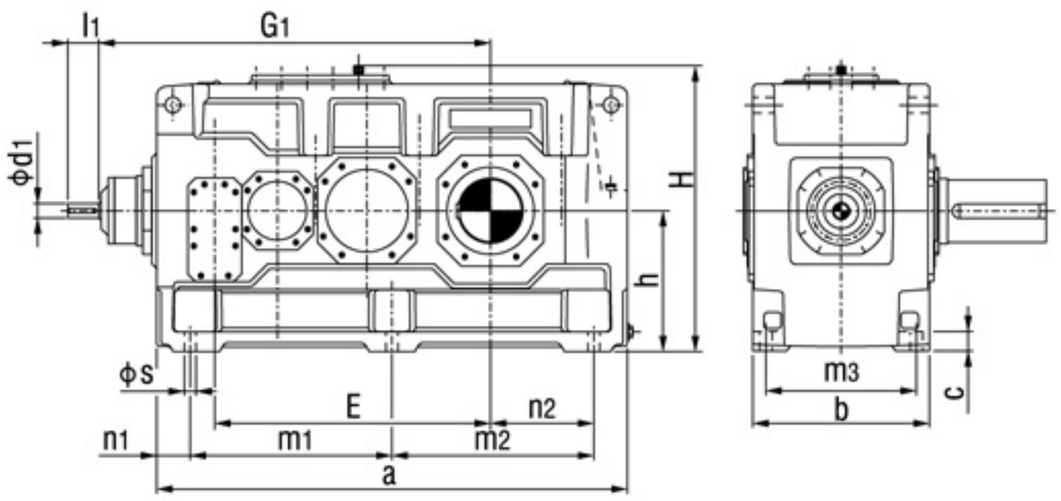
机座号 Size	i_N = 80 - 180		i_N=100-224		i_N=200-315		i_N=250-400		a	b	c	c1	d2	D2	D3	D4	D5	E	g
	d1	l1	d1	l1	d1	l1	d1	l1											
5	35	55			25	50			690	255	28	30±1	100	95	100	100	24	405	97.5
6			35	55			25	50	770	255	28	30±1	110	105	110	110	24	440	97.5
7	35	70			30	60			845	300	35	36±1	120	115	120	120	28	495	114
8			35	70			30	60	950	300	35	36±1	130	125	130	130	28	540	114
9	45	80			35	60			1000	370	40	45±1.5	140	135	140	140	36	580	140
10			45	80			35	60	1100	370	40	45±1.5	160	150	150	150	36	630	140
11	50	100			40	80			1200	430	50	54±1.5	170	165	165	165	40	705	161
12			50	100			40	80	1355	430	50	54±1.5	180	180	180	180	40	775	161

机座号 Size	G1	G2	G4	G5	G6	h	h5	H	l2	m1	m3	n1	n2	n3	n4	s	润滑油oil (l)	重 量 weight (kg)
5	615	165	165	240	165	230	100	482	210	480	220	105	100	455	180	19	16	335
6	650	165	165	240	165	230	100	482	210	560	220	105	145	490	180	19	18	385
7	725	195	195	280	195	280	140	572	210	605	260	120	130	560	215	24	30	555
8	770	195	195	285	195	280	130	582	250	710	260	120	190	605	215	24	33	655
9	840	235	235	330	235	320	135	662	250	710	320	145	155	660	245	28	48	890
10	890	235	235	350	235	320	135	662	300	810	320	145	205	710	245	28	50	1025
11	1010	270	270	400	270	380	170	782	300	870	370	165	180	805	300	35	80	1485
12	1080	270	270	405	270	380	160	790	300	1025	370	165	265	875	300	35	90	1750

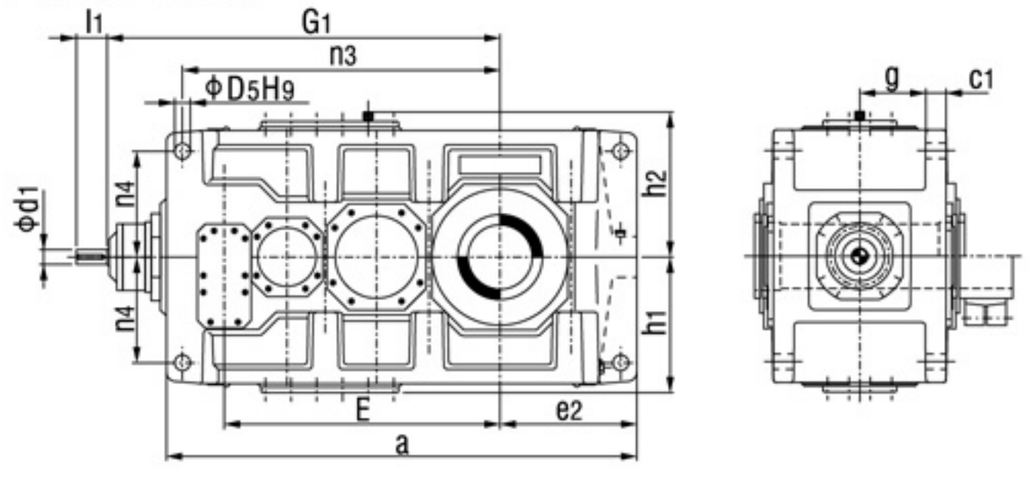
B4.H13 ~ B4.H26

HB

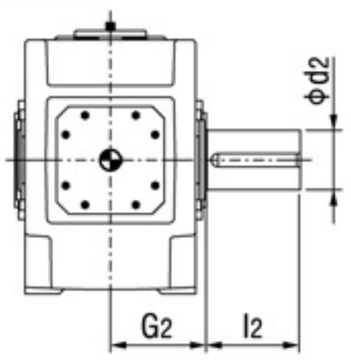
B4SH、B4HH、B4DH



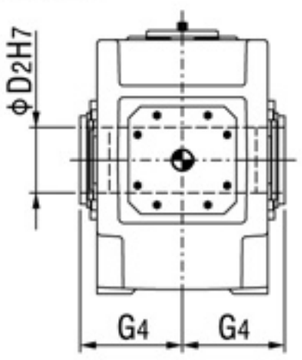
B4HM、B4DM



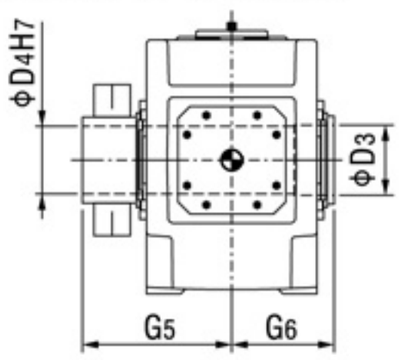
B4SH
实心轴
Solid shaft



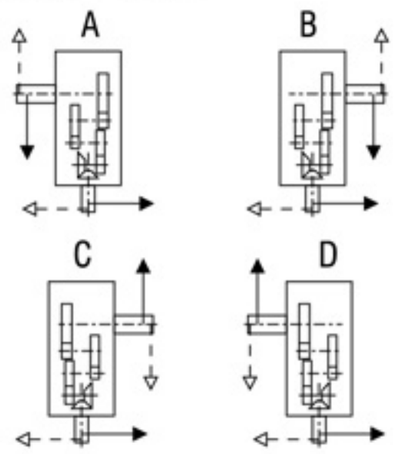
B4HH, B4HM
空心轴
Hollow shaft



B4DH, B4DM
带胀紧盘的空心轴
Hollow shaft for shrink disk



布置形式 Design:



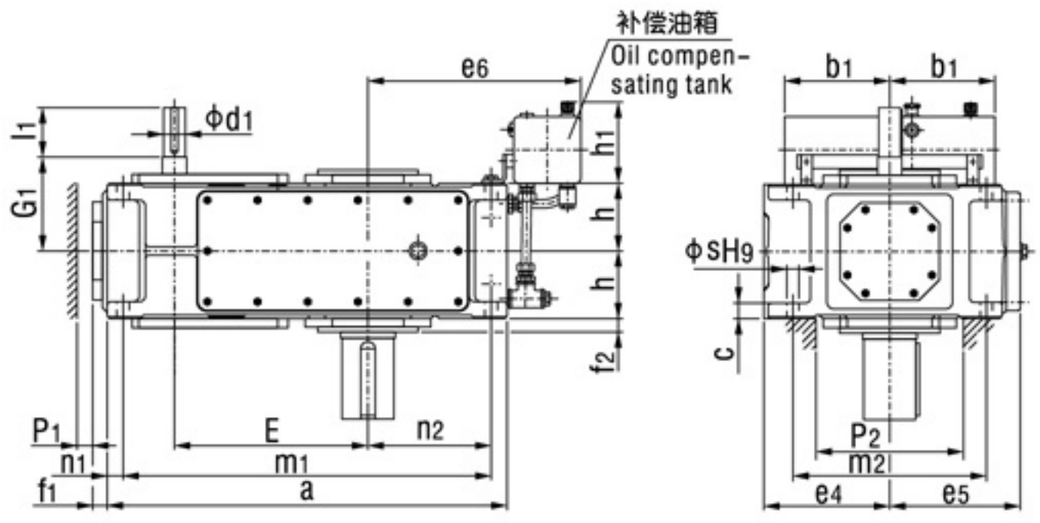
机座号 Size	i_N = 80-180		i_N = 90-200		i_N = 100-224		i_N = 200-315		i_N = 224-355		i_N = 250-400		a	b	c	c1	d2	D2	D3	D4	D5
	d1	l1	d1	l1	d1	l1	d1	l1	d1	l1	d1	l1									
13	60	110					50	100					1395	550	60	61 ± 2	200	190	190	190	48
14					60	110					50	100	1535	550	60	61 ± 2	210	210	210	210	48
15	75	135					60	110					1680	625	70	72 ± 2	230	230	230	230	55
16			75	135					60	110			1770	625	70	72 ± 2	240	240	240	240	55
17	75	135					60	110					1770	690	80	81 ± 2	250	250	250	250	55
18			75	135					60	110			1890	690	80	81 ± 2	270	275	280	280	55
19	85	165					70	140					2030	790	90	91 ± 2	290	–	285	285	65
20			85	165					70	140			2150	790	90	91 ± 2	300	–	310	310	65
21	95	165					75	140					2340	830	100	100 ± 2	320	–	330	330	75
22			95	165					75	140			2450	830	100	100 ± 2	340	–	340	340	75
23	95	165					75	140					2530	930	115	120 ± 2	360	–	360	360	80
24			95	165					75	140			2660	930	115	120 ± 2	380	–	380	380	80
25	115	205					90	170					2830	1045	130	120 ± 2	400	–	400	400	90
26			115	205					90	170			3010	1045	130	120 ± 2	420	–	430	430	90

机座号 Size	G1	e2	E	g	G2	G4	G5	G6	h	h1	h2	H	l2	m1	m2	m3	n1	n2	n3	n4	s	润滑油oil (l)		重量weight (kg)	
																						B4.H	B4.M	B4.H	B4.M
13	1170	405	820	211.5	335	335	480	335	440	450	460	900	350	597.5	597.5	475	100	305	940	340	35	145	120	2395	2280
14	1240	475	890	211.5	335	335	480	335	440	450	460	900	350	597.5	737.5	475	100	375	1010	340	35	150	125	2735	2605
15	1402	485	987	238	380	380	550	380	500	490	500	1000	410	720	720	535	120	365	1135	375	42	230	170	3630	3435
16	1448	530	1033	238	380	380	550	380	500	490	500	1000	410	720	810	535	120	410	1180	375	42	235	175	3985	3765
17	1450	525	1035	259	415	415	600	415	550	555	560	1110	410	750	750	600	135	390	1175	425	42	295	230	4695	4460
18	1510	585	1095	259	415	415	600	415	550	555	560	1110	470	750	870	600	135	450	1235	425	42	305	235	5200	4930
19	1680	590	1190	299	465	–	670	465	620	615	620	1240	470	860	860	690	155	435	1365	475	48	480	440	6800	6300
20	1740	650	1250	299	465	–	670	465	620	615	620	1240	500	860	980	690	155	495	1425	475	48	550	510	8200	7700
21	1992	655	1387	310	490	–	715	490	700	685	690	1390	500	1000	1000	720	170	485	1600	520	56	540	590	9200	8600
22	2047	710	1442	310	490	–	725	490	700	685	690	1390	550	1000	1110	720	170	540	1655	520	56	620	680	9900	9400
23	2110	730	1505	342	540	–	785	540	780	770	790	1570	590	1085	1085	810	180	550	1725	580	56	710	790	11600	10700
24	2175	795	1570	342	540	–	805	540	780	770	790	1570	590	1085	1215	810	180	615	1790	580	56	810	910	13500	12600
25	2395	790	1695	400	605	–	875	605	860	860	860	1720	650	1215	1215	910	200	590	1965	660	66	1000	1110	16100	15200
26	2485	880	1785	400	605	–	900	605	860	860	860	1720	650	1215	1395	910	200	680	2055	660	66	1100	1200	17600	16500

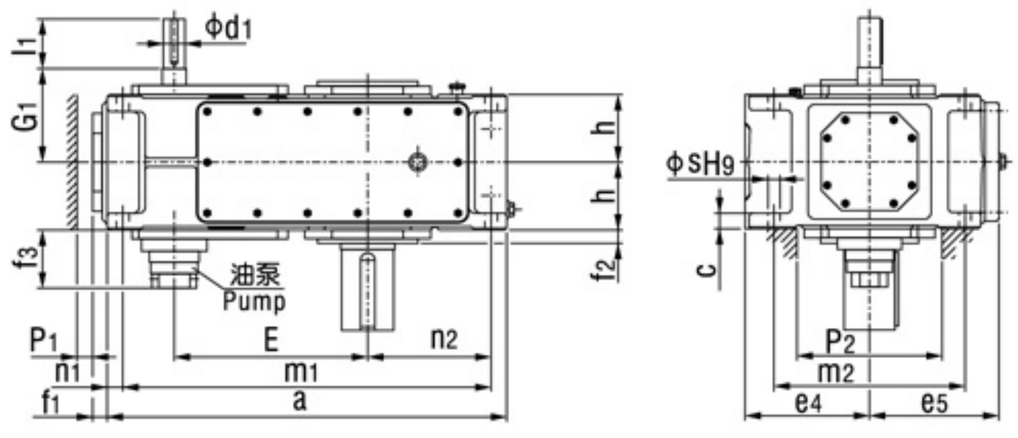


H2.V4 ~ H2.V12

H2SV、H2HV、H2DV （浸油润滑 With dip lubrication ）

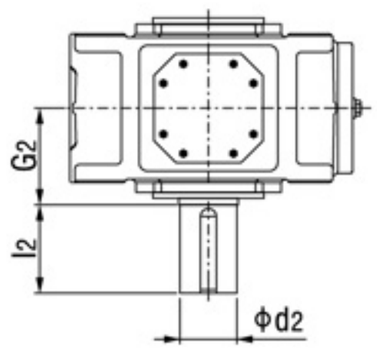


H2SV、H2HV、H2DV （强制润滑 With forced lubrication ）

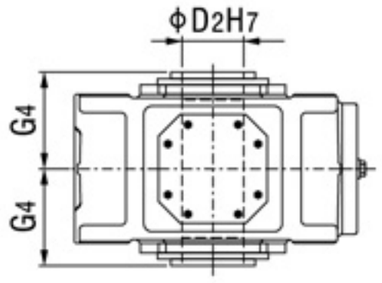


HB

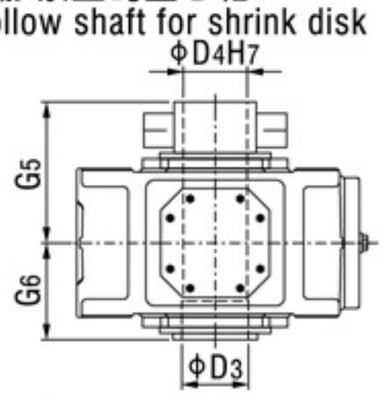
H2SV
实心轴
Solid shaft



H2HV
空心轴
Hollow shaft

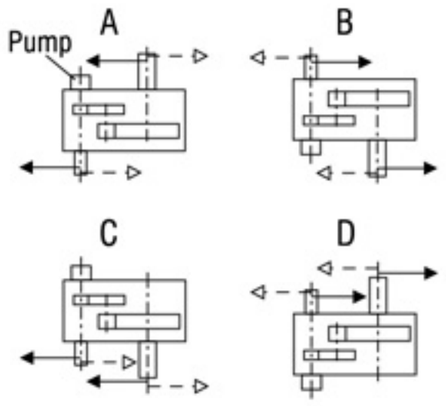


H2DV
带胀紧盘的空心轴
Hollow shaft for shrink disk



A、D布置形式按客户要求供货
Design A&D on request

布置形式 Design:



机座号 Size	i_N = 6.3 – 11.2		i_N = 8 – 14		i_N = 12.5 – 22.4		i_N = 16 – 28		a	b_1	c	d_2	D_2	D_3	D_4	e_4	e_5	e_6	E
	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1											
4	45	100			32	80			565	150	30 ± 1	80	80	85	85	200	215	320	270
5	50	100			38	80			640	240	30 ± 1	100	95	100	100	230	252	385	315
6			50	100			38	80	720	240	30 ± 1	110	105	110	110	230	252	425	350
7	60	135			50	110			785	240	36 ± 1	120	115	120	120	280	292	425	385
8			60	135			50	110	890	240	36 ± 1	130	125	130	130	280	302	485	430
9	75	140			60	140			925	330	45 ± 1.5	140	135	140	140	320	342	560	450
10			75	140			60	140	1025	330	45 ± 1.5	160	150	150	150	320	342	610	500
11	90	165			70	140			1105	330	54 ± 1.5	170	165	165	165	380	402	595	545
12			90	165			70	140	1260	330	54 ± 1.5	180	180	180	180	380	410	680	615

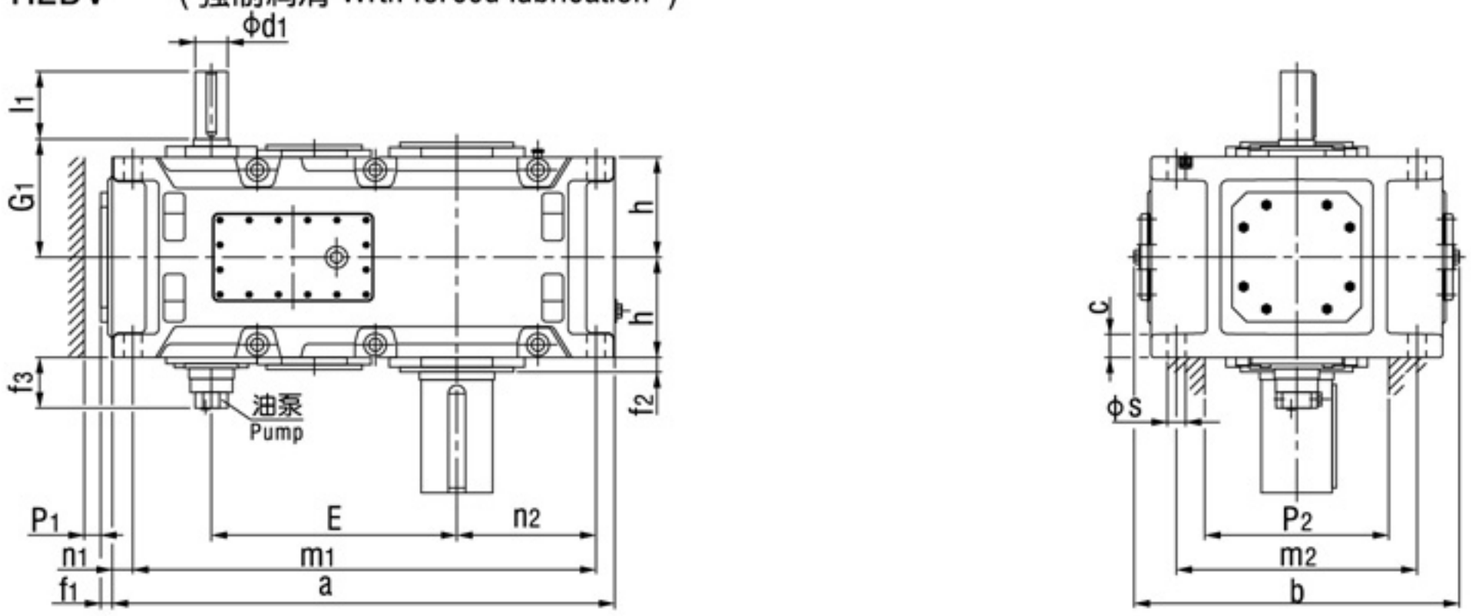
机座号 Size	f_1	f_2	f_3	G_1	G_2	G_4	G_5	G_6	h	h_1	l_2	m_1	m_2	n_1	n_2	p_1	p_2	s	润滑油oil (l)		重量weight (kg)
																			(1)**	(2)**	
4	28	22	–	170	140	140	205	140	107.5	165	170	505	300	30	160	35	220	24	25	–	190
5	38	28	150	195	165	165	240	165	127.5	205	210	580	360	30	175	35	270	24	23	10	300
6	38	28	150	195	165	165	240	165	127.5	205	210	660	360	30	220	35	270	24	27	11	355
7	42	30	145	210	195	195	280	195	150	205	210	715	430	35	215	35	330	28	58	22	505
8	42	32	145	210	195	195	285	195	150	205	250	820	430	35	275	35	330	28	62	25	590
9	42	32	135	240	235	235	330	235	185	275	250	845	490	40	260	40	370	36	100	42	830
10	42	32	135	240	235	235	350	235	185	275	300	945	490	40	310	40	370	36	110	46	960
11	48	35	145	275	270	270	400	270	215	275	300	1005	600	50	295	50	440	40	160	60	1335
12	48	35	145	275	270	270	405	270	215	275	300	1160	600	50	380	50	440	40	180	70	1615

(1)**浸油润滑；(2)**强制润滑。

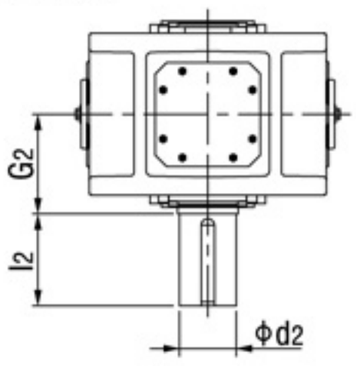
(1)**Dip lubrication, (2)**Forced lubrication.

H2.V13 ~ H2.V22

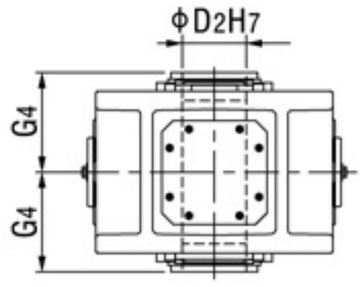
H2SV、H2HV、H2DV （强制润滑 With forced lubrication ）



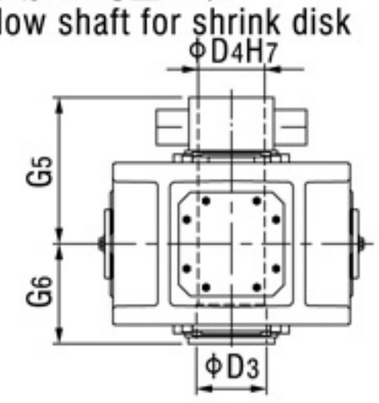
H2SV
实心轴
Solid shaft



H2HV
空心轴
Hollow shaft

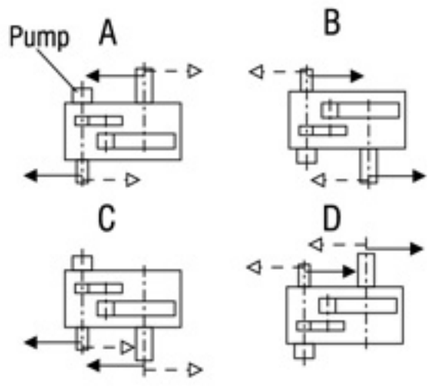


H2DV
带胀紧盘的空心轴
Hollow shaft for shrink disk



A、D布置形式按客户要求供货
Design A&D on request

布置形式 Design:



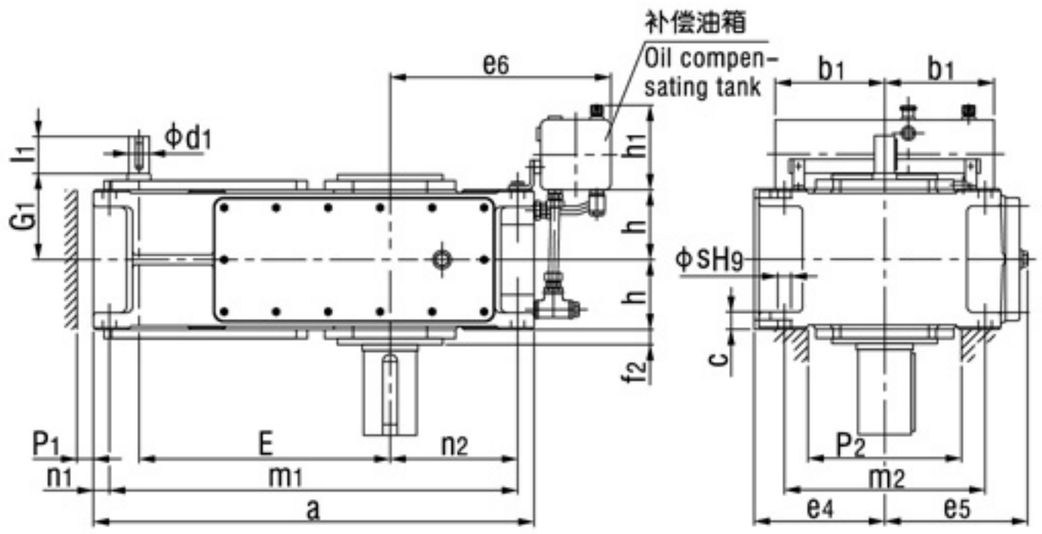
机座号 Size	i_N = 6.3 – 11.2		i_N = 7.1 – 12.5		i_N = 8 – 14		i_N = 12.5 – 20		i_N = 14 – 22.4		i_N = 16 – 25		a	b	c	d_2	D_2	D_3	D_4	E
	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1								
13	100	205					85	170					1290	900	61 ± 2	200	190	190	190	635
14					100	205					85	170	1430	900	61 ± 2	210	210	210	210	705
15	120	210					100	210					1550	980	72 ± 2	230	230	230	230	762
16			120	210					100	210			1640	980	72 ± 2	240	240	240	240	808
17	125	245					110	210					1740	1110	81 ± 2	250	250	250	250	860
18			125	245					110	210			1860	1110	81 ± 2	270	275	280	280	920
19	按客户要求供货 On request																			
20																				
21																				
22																				

机座号 Size	f_1	f_2	f_3	G_1	G_2	G_4	G_5	G_6	h	l_2	m_1	m_2	n_1	n_2	p_1	p_2	s	润滑油oil (l)	重量 weight (kg)
13	53	35	130	330	335	335	480	335	272.5	350	1195	680	50	360	50	500	48	80	1880
14	53	35	130	330	335	335	480	335	272.5	350	1335	680	50	430	50	500	48	90	2430
15	63	42	130	365	380	380	550	380	310	410	1435	750	60	430	50	570	55	140	3240
16	63	42	130	365	380	380	550	380	310	410	1525	750	60	475	50	570	55	150	3465
17	60	42	170	420	415	415	600	415	340	410	1610	850	70	465	70	630	55	175	4420
18	60	42	170	420	415	415	600	415	340	470	1730	850	70	525	70	630	55	185	4870
19	按客户要求供货 On request																		
20																			
21																			
22																			

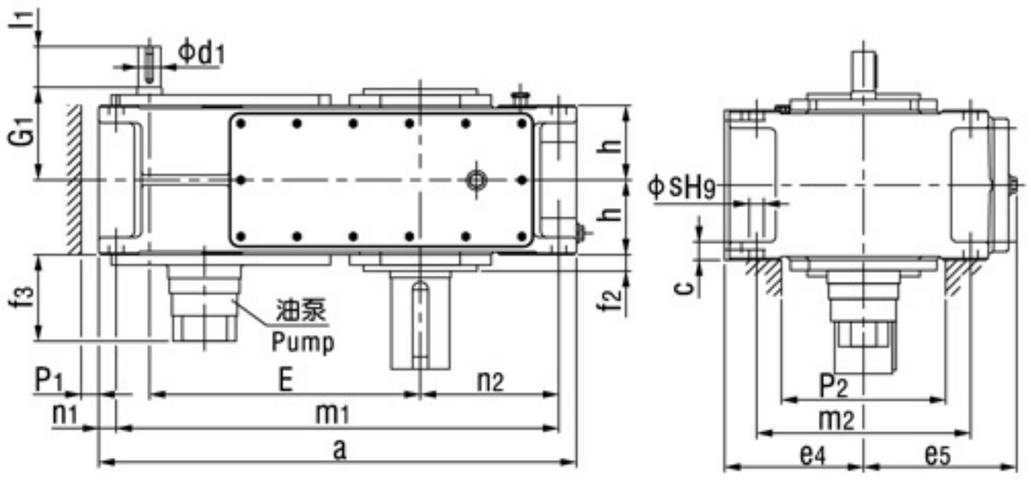


H3.V5 ~ H3.V12

H3SV、H3HV、H3DV （浸油润滑 With dip lubrication ）

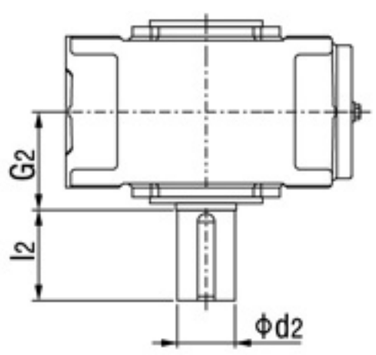


H3SV、H3HV、H3DV （强制润滑 With forced lubrication ）

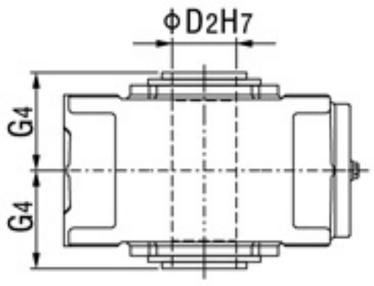


HB

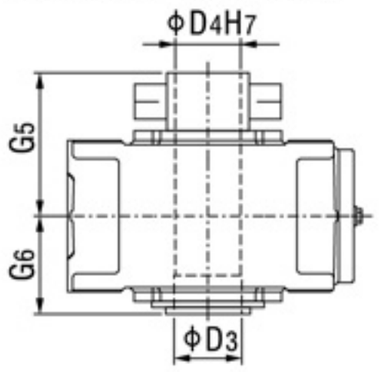
H3SV
实心轴
Solid shaft



H3HV
空心轴
Hollow shaft

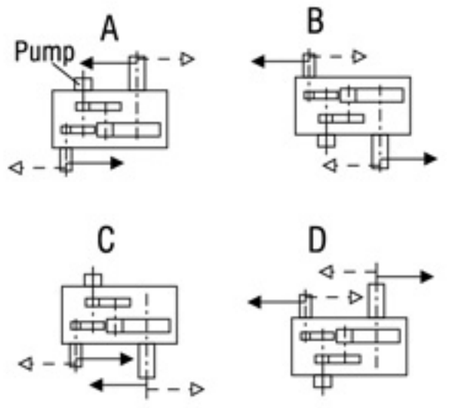


H3DV
带胀紧盘的空心轴
Hollow shaft for shrink disk



A、D布置形式按客户要求供货
Design A&D on request

布置形式 Design:



机座号 Size	i_N = 25 - 45		i_N = 31.5 - 56		i_N = 50 - 63		i_N = 63 - 80		i_N = 71 - 90		i_N = 90 - 112		a	b_1	c	d_2	D_2	D_3	D_4	e_4	e_5
	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1									
5	40	70			30	50			24	40			690	240	30±1	100	95	100	100	230	252
6			40	70			30	50			24	40	770	240	30±1	110	105	110	110	230	252
7	45	80			35	60			28	50			845	240	36±1	120	115	120	120	280	292
8			45	80			35	60			28	50	950	240	36±1	130	125	130	130	280	312
9	60	125			45	100			32	80			1000	330	45±1.5	140	135	140	140	320	342
10			60	125			45	100			32	80	1100	330	45±1.5	160	150	150	150	320	342
11	70	120			50	80			42	70			1200	330	54±1.5	170	165	165	165	380	402
12			70	120			50	80			42	70	1355	330	54±1.5	180	180	180	180	380	410

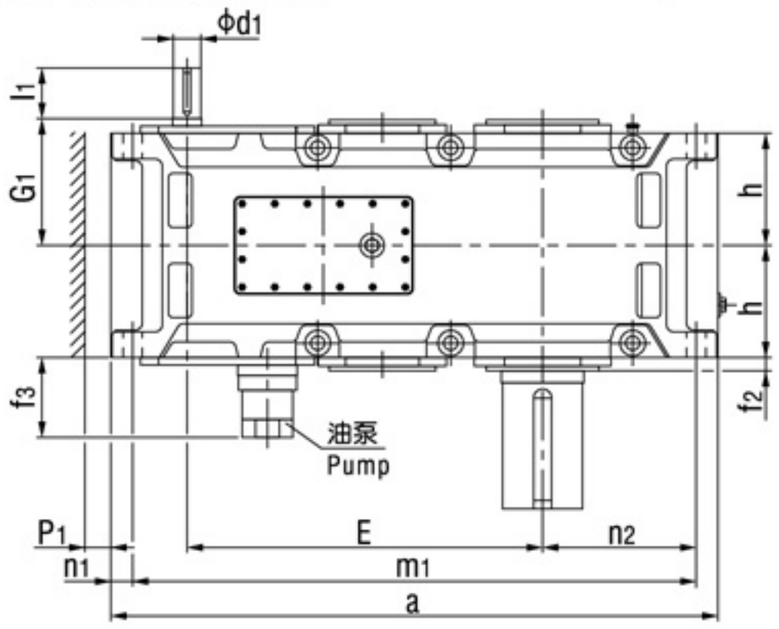
机座号 Size	e6	E	f2	f3	G1	G2	G4	G5	G6	h	h1	l2	m1	m2	n1	n2	p1	p2	s	润滑油oil (l)		重量weight (kg)
																				(1)**	(2)**	
5	385	405	28	190	160	165	165	240	165	127.5	205	210	630	360	30	175	35	270	24	35	13	320
6	425	440	28	190	160	165	165	240	165	127.5	205	210	710	360	30	220	35	270	24	37	15	365
7	425	495	30	185	185	195	195	280	195	150	205	210	775	430	35	215	35	330	28	60	25	540
8	485	540	32	185	185	195	195	285	195	150	205	250	880	430	35	275	35	330	28	72	30	625
9	560	580	32	170	230	235	235	330	235	185	275	250	920	490	40	260	40	370	36	100	40	875
10	610	630	32	170	230	235	235	350	235	185	275	300	1020	490	40	310	40	370	36	110	45	1020
11	595	705	35	170	255	270	270	400	270	215	275	300	1100	600	50	295	50	440	40	170	66	1400
12	680	775	35	170	255	270	270	405	270	215	275	300	1255	600	50	380	50	440	40	190	75	1675

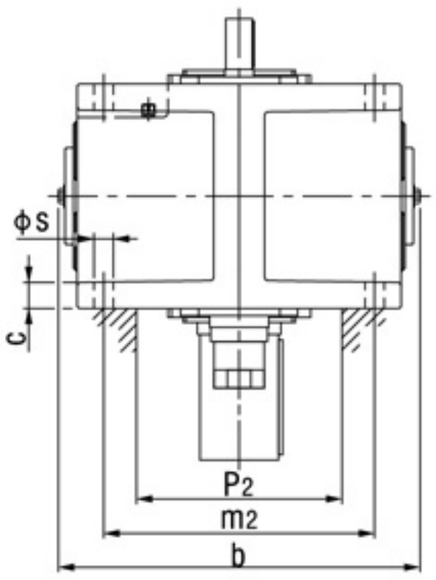
(1)**浸油润滑；(2)**强制润滑。

(1)**Dip lubrication, (2)**Forced lubrication.

H3.V13 ~ H3.V22

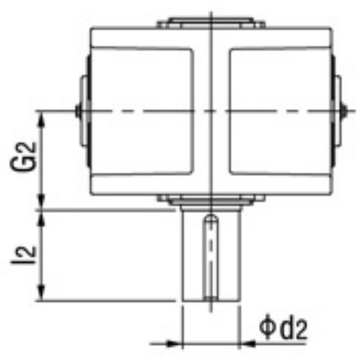
H3SV、H3HV、H3DV（强制润滑 With forced lubrication ）



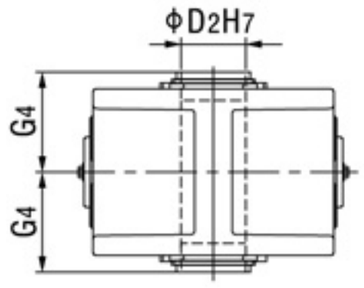


HB

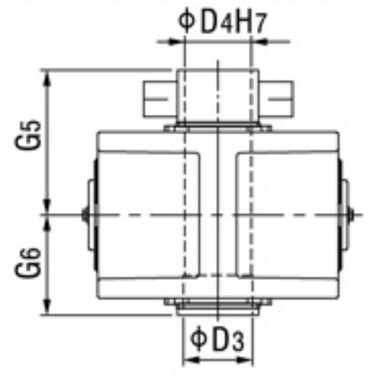
H3SV
实心轴
Solid shaft



H3HV
空心轴
Hollow shaft

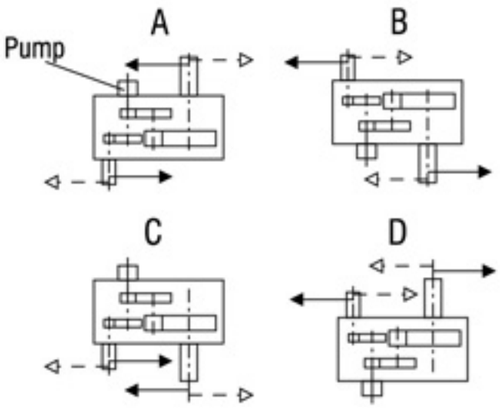


H3DV
带胀紧盘的空心轴
Hollow shaft for shrink disk



A、D布置形式按客户要求供货
Design A&D on request

布置形式 Design:

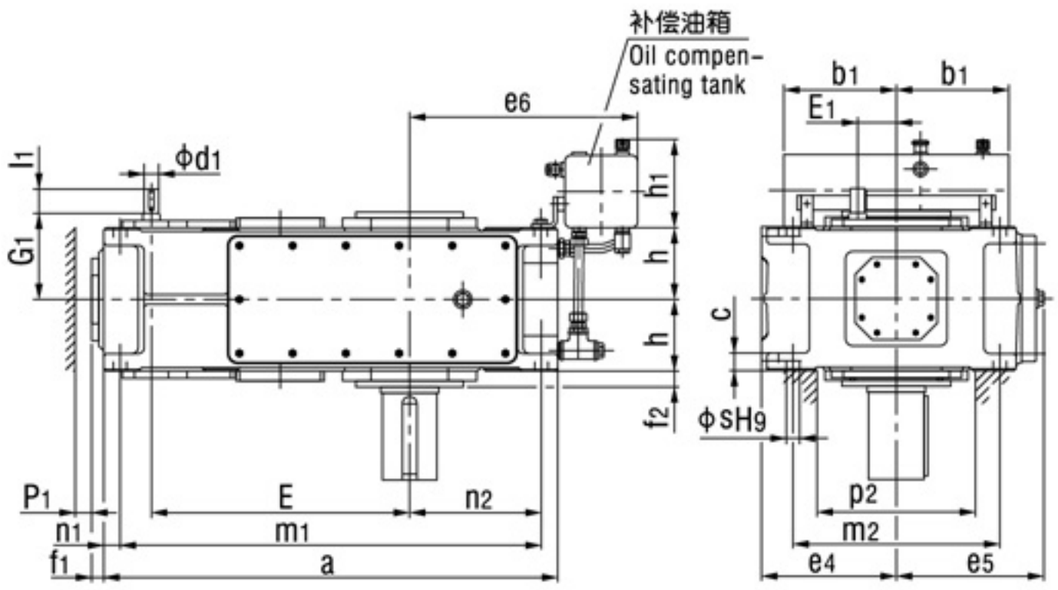


机座号 Size	i_N=22.4 - 45		i_N=25 - 50		i_N=28 - 56		i_N=50 - 63		i_N=56 - 71		i_N=63 - 80		i_N=71 - 90		i_N=80 - 100		i_N=90 - 112		a	b	c	d_2	D_2
	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1					
13	85	160					60	135					50	110					1395	900	61±2	200	190
14					85	160					60	135					50	110	1535	900	61±2	210	210
15	100	200					75	140					60	140					1680	980	72±2	230	230
16			100	200					75	140					60	140			1770	980	72±2	240	240
17	100	200					75	140					60	140					1770	1110	81±2	250	250
18			100	200					75	140					60	140			1890	1110	81±2	270	275
19	按客户要求供货 On request																						
20																							
21																							
22																							

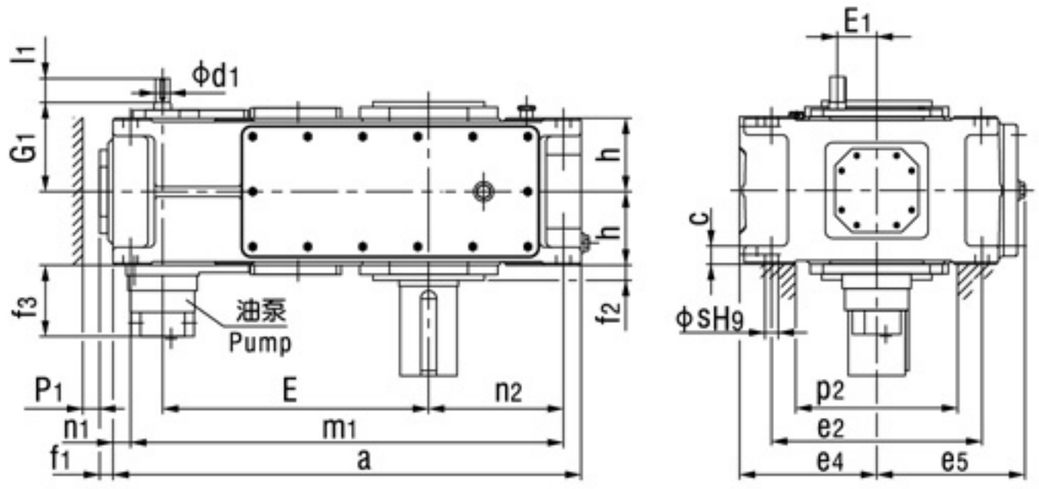
机座号 Size	D_3	D_4	E	f_2	f_3	G_1	G_2	G_4	G_5	G_6	h	l_2	m_1	m_2	n_1	n_2	P_1	P_2	s	润滑油oil (l)	重量weight (kg)
13	190	190	820	35	170	310	335	335	480	335	272.5	350	1300	680	50	360	50	500	48	115	2155
14	210	210	890	35	170	310	335	335	480	335	272.5	350	1440	680	50	430	50	500	48	126	2490
15	230	230	987	42	170	350	380	380	550	380	310	410	1565	750	60	430	50	570	55	180	3260
16	240	240	1033	42	170	350	380	380	550	380	310	410	1655	750	60	475	50	570	55	190	3625
17	250	250	1035	42	210	380	415	415	600	415	340	410	1640	850	70	465	70	630	55	190	4250
18	280	280	1095	42	210	380	415	415	600	415	340	470	1760	850	70	525	70	630	55	200	4740
19	按客户要求供货 On request																				
20																					
21																					
22																					

H4.V7 ~ H4.V12

H4SV、H4HV、H4DV （浸油润滑 With dip lubrication ）

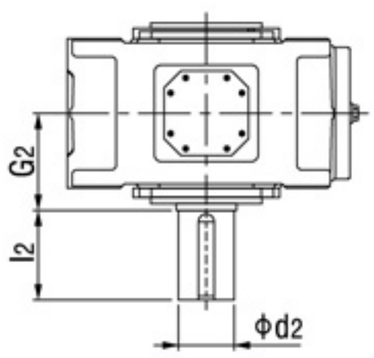


H4SV、H4HV、H4DV （强制润滑 With forced lubrication ）

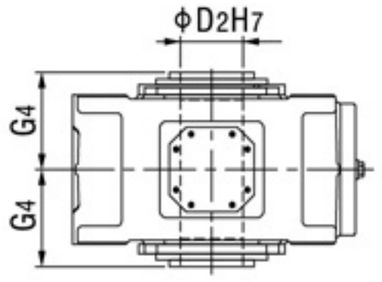


HB

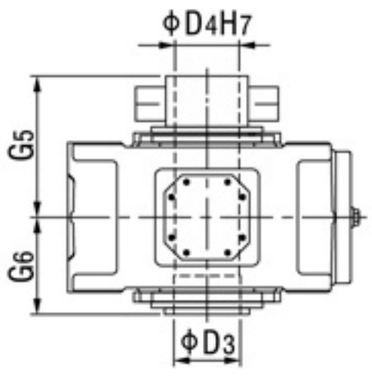
H4SV
实心轴
Solid shaft



H4HV
空心轴
Hollow shaft

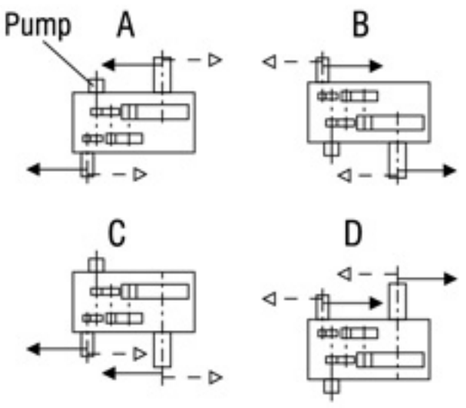


H4DV
带胀紧盘的空心轴
Hollow shaft for shrink disk



A、D布置形式按客户要求供货
Design A&D on request

布置形式 Design:



机座号 Size	i_N = 100 – 180		i_N = 125 – 224		i_N = 200 – 355		i_N = 250 – 450		a	b_1	c	d_2	D_2	D_3	D_4	e_4	e_5	e_5	E
	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1											
7	30	50			24	40			845	240	36 ± 1	120	115	120	120	280	292	425	495
8			30	50			24	40	950	240	36 ± 1	130	125	130	130	280	302	485	540
9	35	60			28	50			1000	330	45 ± 1.5	140	135	140	140	320	342	560	580
10			35	60			28	50	1100	330	45 ± 1.5	160	150	150	150	320	342	610	630
11	45	100			32	80			1200	330	54 ± 1.5	170	165	165	165	380	402	595	705
12			45	100			32	80	1355	330	54 ± 1.5	180	180	180	180	380	410	680	775

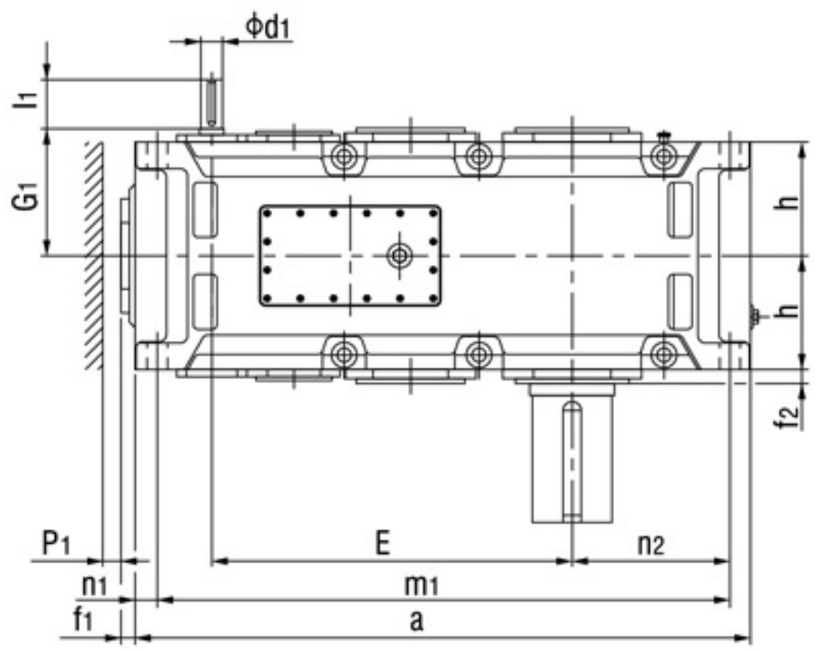
机座号 Size	E_1	f_1	f_2	f_3	G_1	G_2	G_4	G_5	G_6	h	h_1	l_2	m_1	m_2	n_1	n_2	p_1	p_2	s	润滑油oil (l)		重量 weight (kg)
																				(1)**	(2)**	
7	80	37	30	160	180	195	195	280	195	150	205	210	775	430	35	215	35	330	28	50	20	550
8	80	37	32	160	180	195	195	285	195	150	205	250	880	430	35	275	35	330	28	60	25	645
9	90	43	32	170	215	235	235	330	235	185	275	250	920	490	40	260	40	370	36	95	38	875
10	90	43	32	170	215	235	235	350	235	185	275	300	1020	490	40	310	40	370	36	110	45	1010
11	110	47	35	170	250	270	270	400	270	215	275	300	1100	600	50	295	50	440	40	165	65	1460
12	110	47	35	170	250	270	270	405	270	215	275	300	1255	600	50	380	50	440	40	180	75	1725

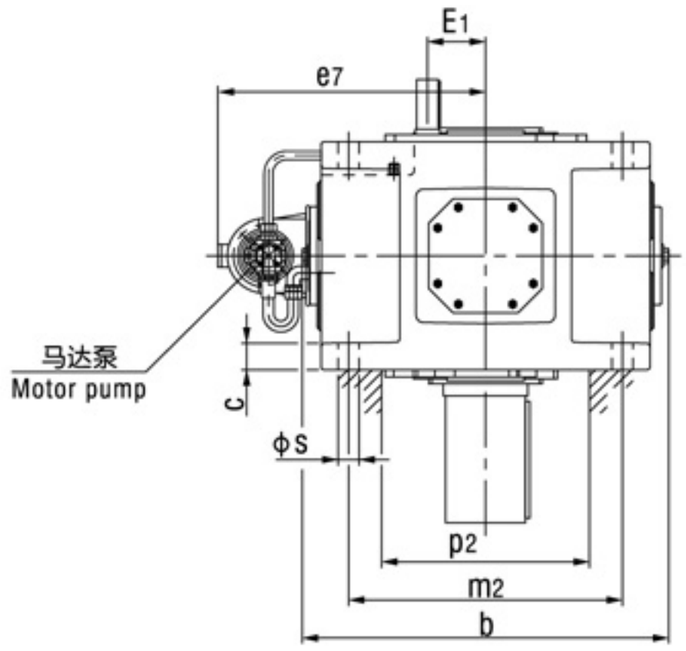
(1)**浸油润滑；(2)**强制润滑。

(1)**Dip lubrication, (2)**Forced lubrication.

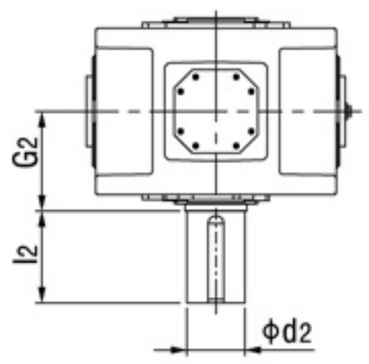
H4.V13 ~ H4.V22

H4SV、H4HV、H4DV（强制润滑 With forced lubrication）

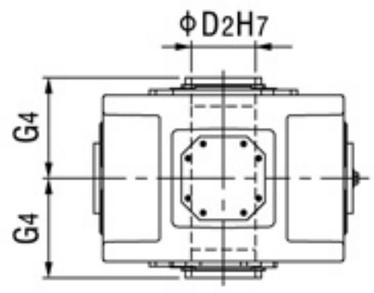




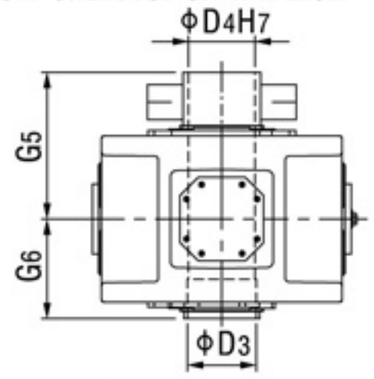
H4SV
实心轴
Solid shaft



H4HV
空心轴
Hollow shaft

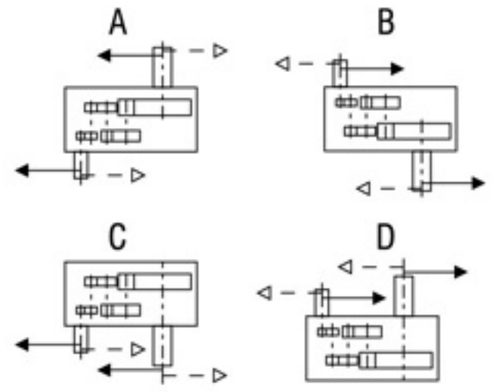


H4DV
带胀紧盘的空心轴
Hollow shaft for shrink disk



A、D布置形式按客户要求供货
Design A&D on request

布置形式 Design:



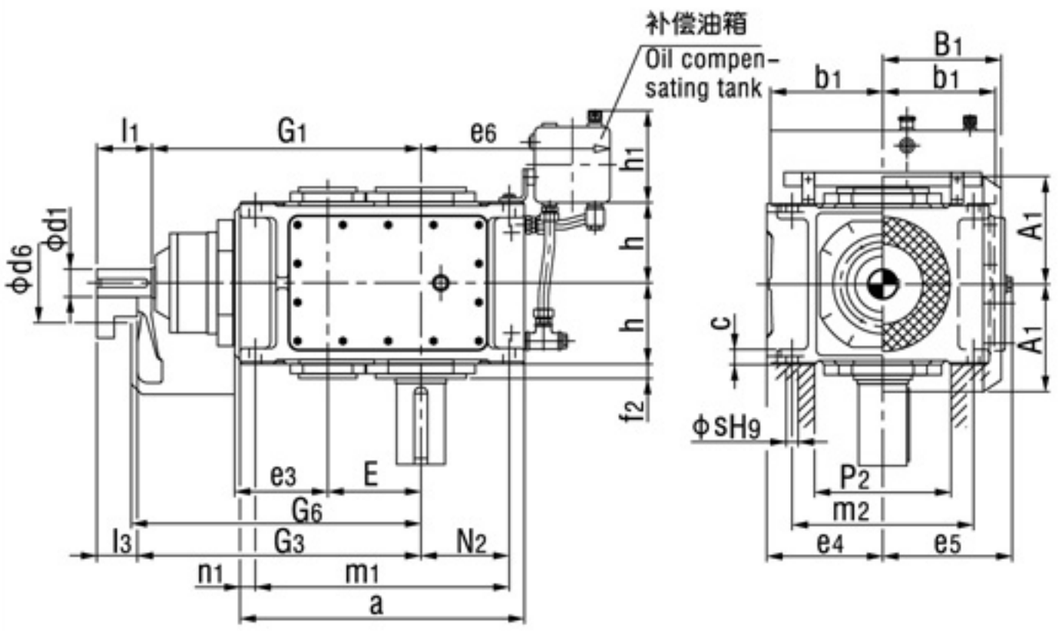
机座号 Size	i_N = 100 – 180		i_N = 112 – 200		i_N = 125 – 224		i_N = 200 – 355		i_N = 224 – 400		i_N = 250 – 450		a	b	c	d_2	D_2	D_3	D_4	e_7
	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1								
13	50	100					38	80					1395	900	61±2	200	190	190	190	670
14					50	100					38	80	1535	900	61±2	210	210	210	210	670
15	60	135					50	110					1680	980	72±2	230	230	230	230	710
16			60	135					50	110			1770	980	72±2	240	240	240	240	710
17	60	105					50	80					1770	1110	81±2	250	250	250	250	775
18			60	105					50	80			1890	1110	81±2	270	275	280	280	775
19	按客户要求供货 On request																			
20																				
21																				
22																				

机座号 Size	E	E_1	f_1	f_2	G_1	G_2	G_4	G_5	G_6	h	l_2	m_1	m_2	n_1	n_2	p_1	p_2	s	润滑油oil (l)	重量weight (kg)
13	820	130	47	35	305	335	335	480	335	272.5	350	1300	680	50	360	50	500	48	95	2270
14	890	130	47	35	305	335	335	480	335	272.5	350	1440	680	50	430	50	500	48	105	2600
15	987	160	56	42	345	380	380	550	380	310	410	1565	750	60	430	50	570	55	150	3440
16	1033	160	56	42	345	380	380	550	380	310	410	1655	750	60	475	50	570	55	160	3740
17	1035	160	53	42	380	415	415	600	415	340	410	1640	850	70	465	70	630	55	190	4445
18	1095	160	53	42	380	415	415	600	415	340	470	1760	850	70	525	70	630	55	200	4915
19	按客户要求供货 On request																			
20																				
21																				
22																				

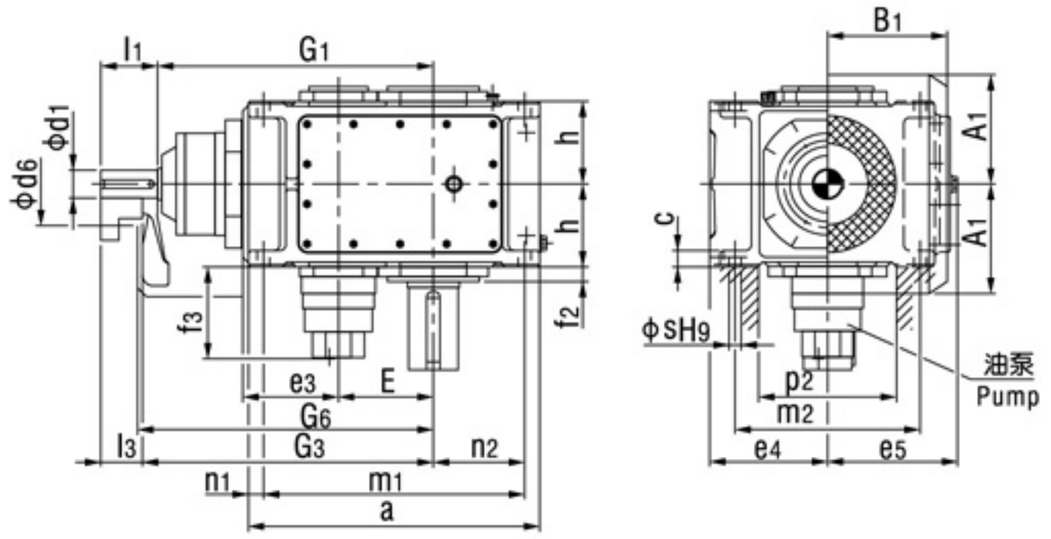


B2.V4 ~ B2.V12

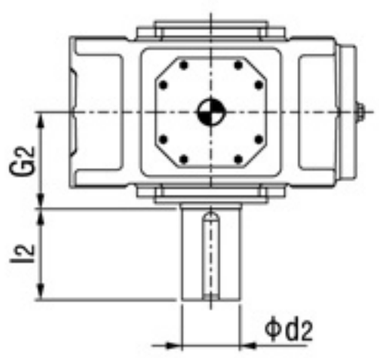
B2SV、B2HV、B2DV （浸油润滑 With dip lubrication ）



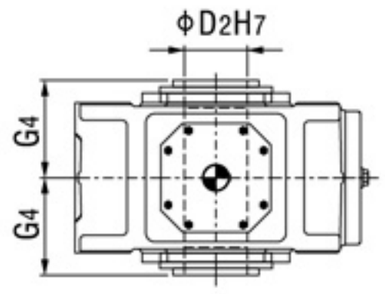
B2SV、B2HV、B2DV （强制润滑 With forced lubrication ）



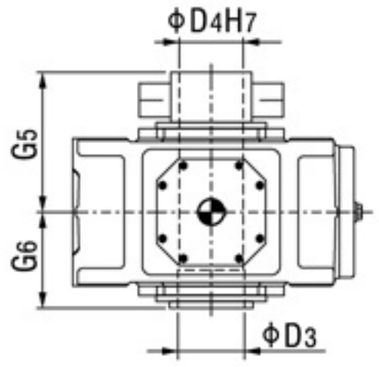
B2SV
实心轴
Solid shaft



B2HV
空心轴
Hollow shaft

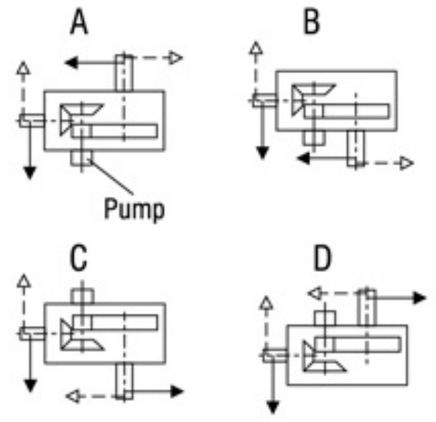


B2DV
带胀紧盘的空心轴
Hollow shaft for shrink disk



A、D布置形式按客户要求供货
Design A&D on request

布置形式 Design:



机座号 Size	i_N = 5 - 11.2			i_N = 6.3 - 14			a	A_1	b_1	B_1	c	d_2	d_6	D_2	D_3	D_4	e_3	e_4	e_5
	d_1	l_1	l_3	d_1	l_1	l_3													
4	50	100	80				505	188	150	200	30±1	80	150	80	85	85	160	200	215
5	60	110	80				565	215	240	235	30±1	100	160	95	100	100	185	230	252
6				60	110	80	645	215	240	235	30±1	110	160	105	110	110	185	230	252
7	75	135	105				690	250	240	285	36±1	120	210	115	120	120	225	280	302
8				75	135	105	795	250	240	285	36±1	130	210	125	130	130	225	280	302
9	85	165	130				820	270	330	325	48±1.5	140	195	135	140	140	265	320	342
10				85	165	130	920	270	330	325	48±1.5	160	195	150	150	150	265	320	342
11	95	165	130				975	328	330	385	54±1.5	170	210	165	165	165	320	380	410
12				95	165	130	1130	328	330	385	54±1.5	180	210	180	180	180	320	380	410

机座号 Size	e_6	E	f_2	f_3	G_1	G_2	G_3	G_4	G_5	G_6	G_7	h	h_1	l_2	m_1	m_2	n_1	n_2	p_2	s	润滑油oil (l)		重量 weight (kg)
																					(1)**	(2)**	
4	320	160	26	–	465	170	485	170	235	170	495	135	165	170	445	300	30	160	220	24	28	–	235
5	385	185	30	190	535	200	565	200	275	200	575	160	205	210	505	360	30	175	270	24	41	20	360
6	425	220	30	190	570	200	600	200	275	200	610	160	205	210	585	360	30	220	270	24	50	23	410
7	425	225	32	200	640	235	670	235	320	235	685	190	205	210	620	430	35	215	330	28	75	35	615
8	485	270	32	200	685	235	715	235	325	235	730	190	205	250	725	430	35	275	330	28	90	38	700
9	560	265	45	200	755	270	790	270	365	270	805	220	275	250	740	490	40	260	370	36	115	53	1000
10	610	315	45	200	805	270	840	270	385	270	855	220	275	300	840	490	40	310	370	36	135	60	1155
11	595	320	47	200	925	320	960	320	450	320	980	265	275	300	875	600	50	295	440	40	190	86	1640
12	680	390	47	200	995	320	1030	320	455	320	1050	265	275	300	1030	600	50	380	440	40	215	95	1910

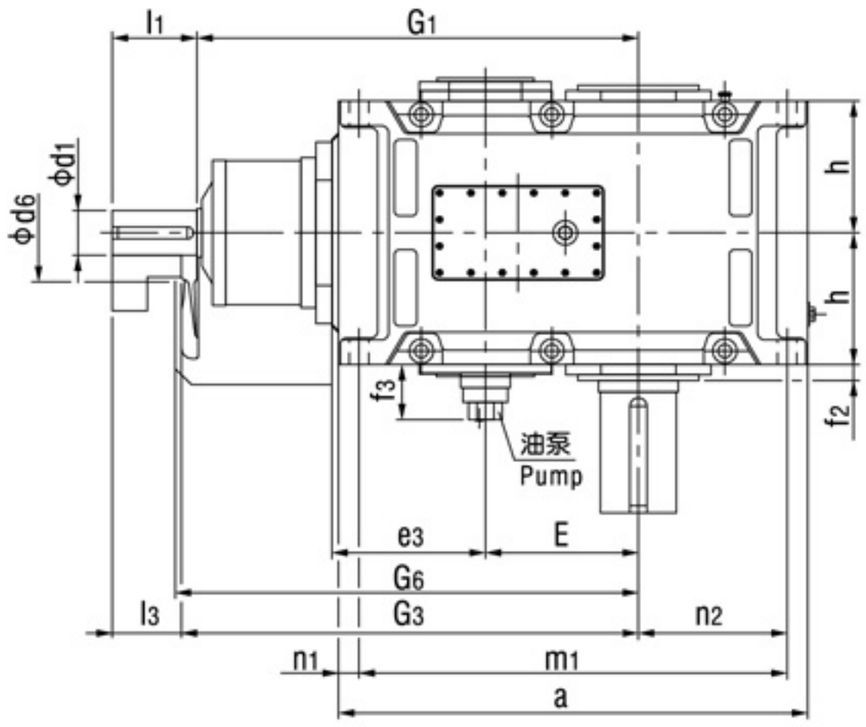
(1)**浸油润滑；(2)**强制润滑。

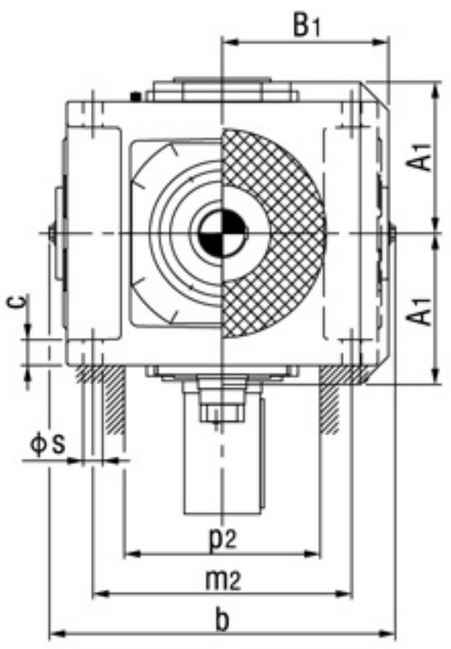
(1)**Dip lubrication, (2)**Forced lubrication.

HB

B2.V13 ~ B2.V18

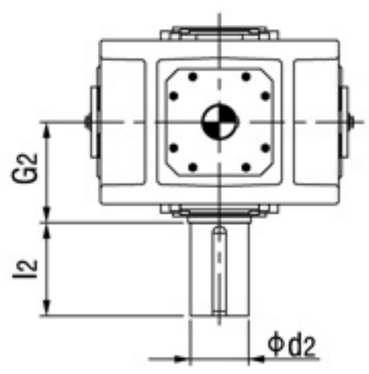
B2SV、B2HV、B2DV（强制润滑 With forced lubrication ）



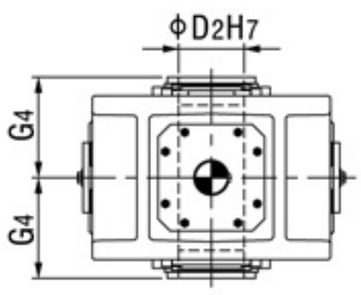


HB

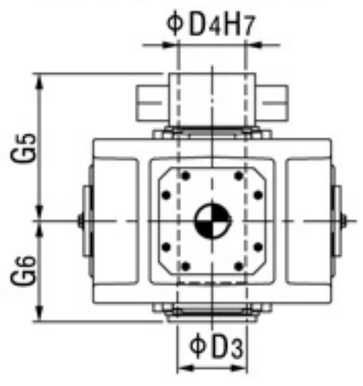
B2SV
实心轴
Solid shaft



B2HV
空心轴
Hollow shaft

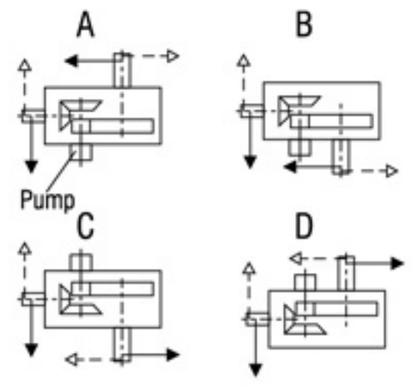


B2DV
带胀紧盘的空心轴
Hollow shaft for shrink disk



A、D布置形式按客户要求供货
Design A&D on request

布置形式 Design:



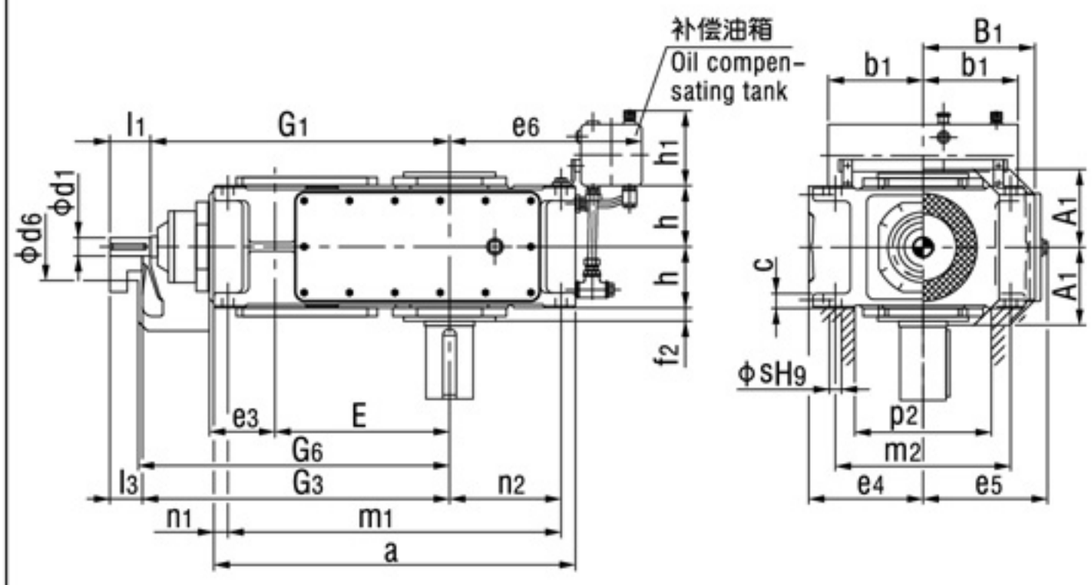
机座号 Size	i_N = 5 – 11.2			i_N = 5.6 – 11.2			i_N = 5.6 – 12.5			i_N = 6.3 – 14			i_N = 7.1 – 12.5			a	A_1	b	B_1	c	d_2	d_6	D_2	D_3
	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3										
13	115	205	165													1130	375	900	450	61±2	200	245	–	–
14										115	205	165				1270	375	900	450	61±2	210	245	210	210
15	140	245	200													1350	435	980	495	72±2	230	280	–	–
16							140	245	200							1440	435	980	495	72±2	240	280	240	240
17				150	245	200										1490	505	1110	555	81±2	250	380	–	–
18													150	245	200	1610	505	1110	555	81±2	270	380	275	280

机座号 Size	D_4	e_3	E	f_2	f_3	G_1	G_2	G_3	G_4	G_5	G_6	G_7	h	l_2	m_1	m_2	n_1	n_2	p_2	s	润滑油oil (l)	重量weight (kg)
13	–	380	370	38	200	1070	390	1110	–	–	–	1130	325	350	1035	680	50	360	500	48	100	2350
14	210	380	440	45	200	1140	390	1180	390	535	390	1200	325	350	1175	680	50	430	500	48	110	2725
15	–	450	442	75	200	1277	460	1322	–	–	–	1340	380	410	1235	750	60	430	570	55	145	3795
16	240	450	488	75	200	1323	460	1368	450	620	450	1385	380	410	1325	750	60	475	570	55	160	4160
17	–	510	490	98	200	1435	540	1480	–	–	–	1500	437.5	410	1360	840	70	465	630	65	210	5320
18	280	510	550	98	200	1495	540	1540	510	700	510	1560	437.5	470	1480	840	70	525	630	65	220	5860

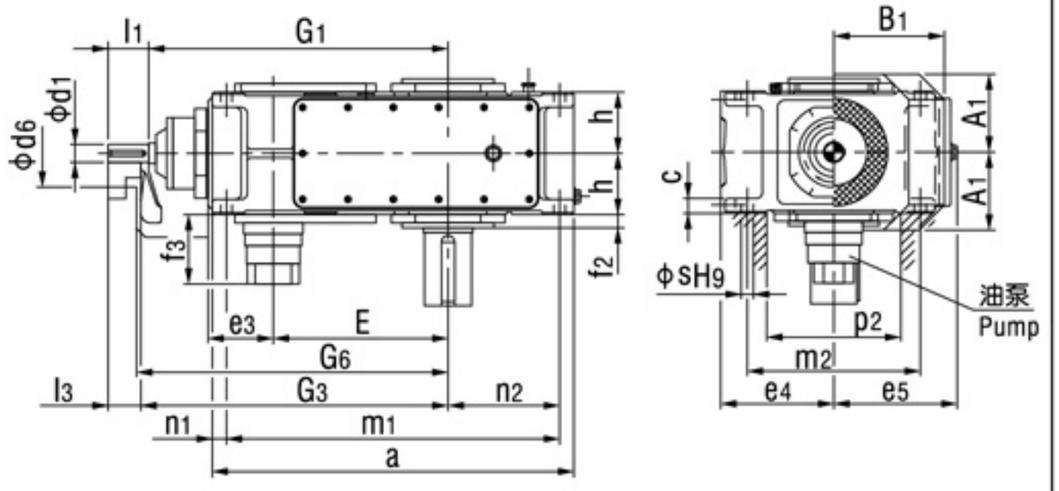


B3.V4 ~ B3.V12

B3SV、B3HV、B3DV （浸油润滑 With dip lubrication ）

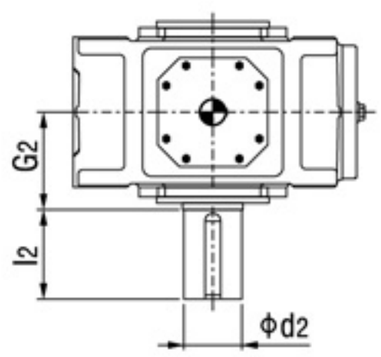


B3SV、B3HV、B3DV （强制润滑 With forced lubrication ）

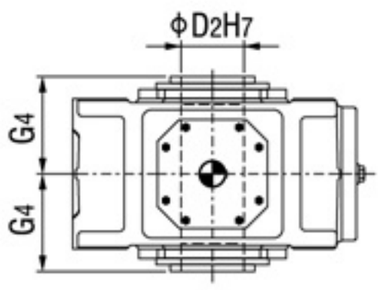


HB

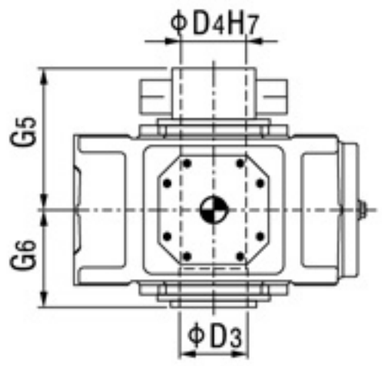
B3SV
实心轴
Solid shaft



B3HV
空心轴
Hollow shaft

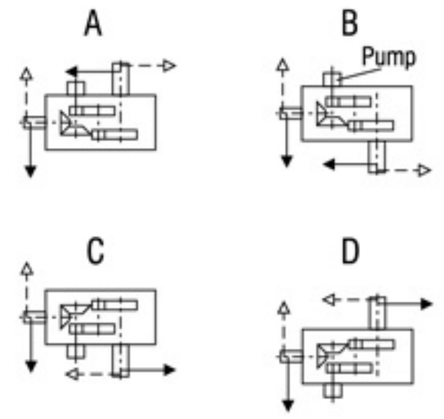


B3DV
带胀紧盘的空心轴
Hollow shaft for shrink disk



A、D布置形式按客户要求供货
Design A&D on request

布置形式 Design:



机座号 Size	i_N = 12.5 - 45			i_N = 16 - 56			i_N = 50 - 71			i_N = 63 - 90			a	A_1	b_1	B_1	c	d_2	d_6	D_2	D_3	D_4	e_3	e_4
	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3												
4	35	70	50				30	60	40				565	143	150	200	30±1	80	110	80	85	85	110	200
5	45	80	60				35	60	40				640	168	240	235	30±1	100	130	95	100	100	130	230
6				45	80	60				35	60	40	720	168	240	235	30±1	110	130	105	110	110	130	230
7	50	100	80				40	80	60				785	193	240	275	36±1	120	165	115	120	120	160	280
8				50	100	80				40	80	60	890	193	240	275	36±1	130	165	125	130	130	160	280
9	60	110	80				50	100	70				925	231	330	325	45±1.5	140	175	135	140	140	185	320
10				60	110	80				50	100	70	1025	231	330	325	45±1.5	160	175	150	150	150	185	320
11	75	135	105				60	110	80				1105	263	330	385	54±1.5	170	190	165	165	165	225	380
12				75	135	105				60	110	80	1260	263	330	385	54±1.5	180	190	180	180	180	225	380

机座号 Size	e_5	e_6	E	f_2	f_3	G_1	G_2	G_3	G_4	G_5	G_6	G_7	h	h_1	l_2	m_1	m_2	n_1	n_2	p_2	s	润滑油oil (l)		重量 weight (kg)
																						(1)**	(2)**	
4	215	320	270	22	–	500	140	520	140	205	140	530	107.5	165	170	505	300	30	160	220	24	28	–	210
5	252	385	315	28	190	575	165	595	165	240	165	605	127.5	205	210	580	360	30	175	270	24	32	12	325
6	252	425	350	28	190	610	165	630	165	240	165	640	127.5	205	210	660	360	30	220	270	24	35	13	380
7	292	425	385	30	190	690	195	710	195	280	195	720	150	205	210	715	430	35	215	330	28	52	22	550
8	302	485	430	32	190	735	195	755	195	285	195	765	150	205	250	820	430	35	275	330	28	67	28	635
9	342	560	450	32	180	800	235	830	235	330	235	845	185	275	250	845	490	40	260	370	36	115	48	890
10	342	610	500	32	180	850	235	880	235	350	235	895	185	275	300	945	490	40	310	370	36	125	52	1020
11	402	595	545	35	180	960	270	990	270	400	270	1010	215	275	300	1005	600	50	295	440	40	180	75	1455
12	410	680	615	35	180	1030	270	1060	270	405	270	1080	215	275	300	1160	600	50	380	440	40	200	85	1730

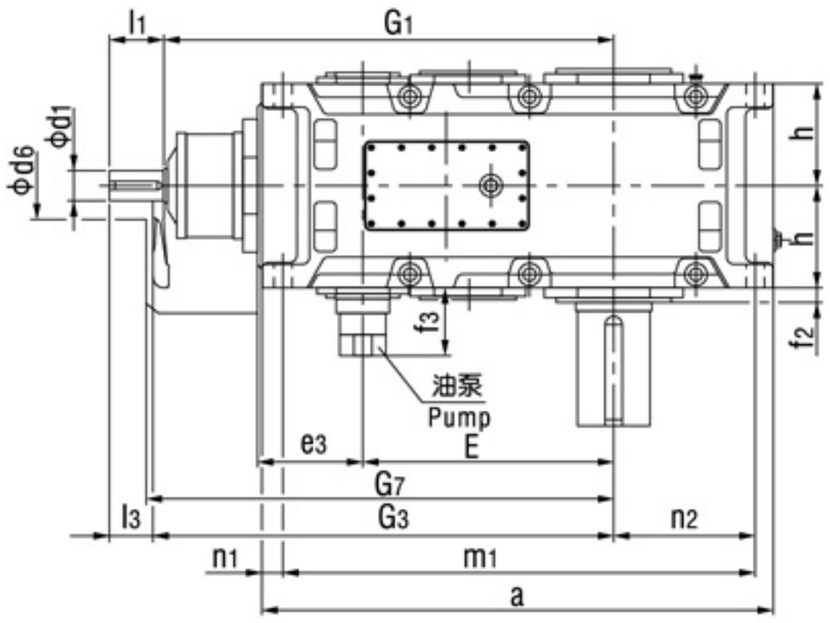
(1)**浸油润滑；(2)**强制润滑。

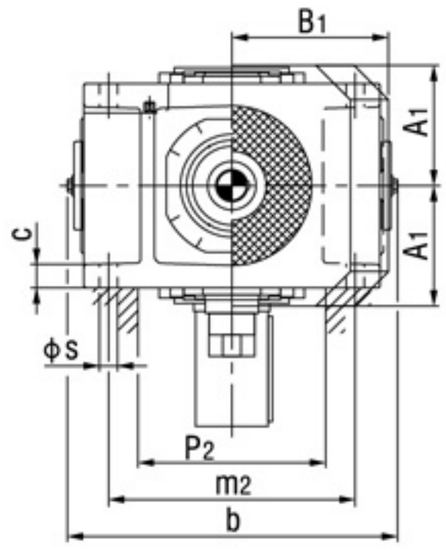
(1)**Dip lubrication, (2)**Forced lubrication.

B3.V13 ~ B3.V18

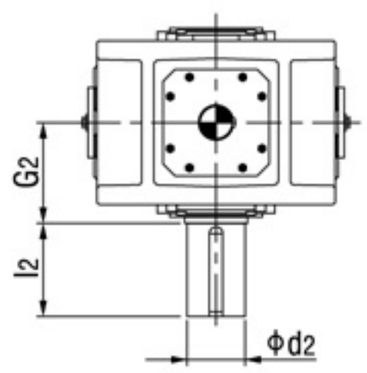
HB

B3SV、B3HV、B3DV（强制润滑 With forced lubrication）

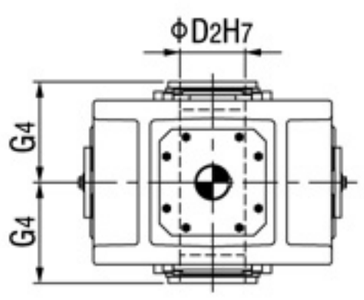




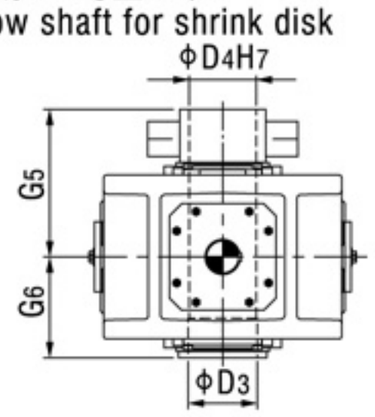
B3SV
实心轴
Solid shaft



B3HV
空心轴
Hollow shaft

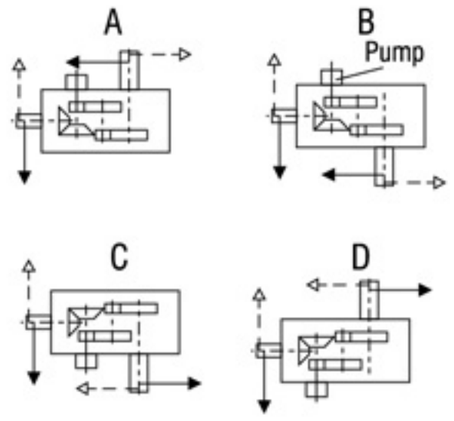


B3DV
带胀紧盘的空心轴
Hollow shaft for shrink disk



A、D布置形式按客户要求供货
Design A&D on request

布置形式 Design:

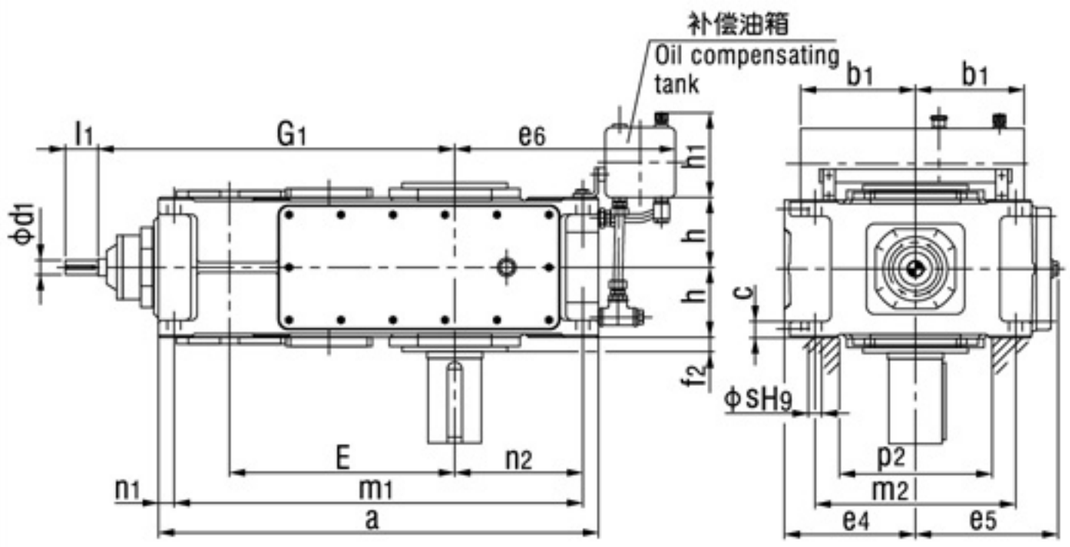


机座号 Size	i_N = 12.5 – 45			i_N = 14 – 50			i_N = 16 – 56			i_N = 50 – 71			i_N = 56 – 80			i_N = 63 – 90			a	A_1	b	B_1	c	d_2	d_6	D_2
	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3	d_1	l_1	l_3								
13	85	165	130							70	140	105							1290	325	900	475	61±2	200	210	190
14							85	165	130							70	140	105	1430	325	900	475	61±2	210	210	210
15	95	165	130							75	140	105							1550	365	980	520	72±2	230	210	230
16				95	165	130							75	140	105				1640	365	980	520	72±2	240	210	240
17	115	205	165							90	170	130							1740	395	1110	570	81±2	250	230	250
18				115	205	165							90	170	130				1860	395	1110	570	81±2	270	230	275
19	按客户要求供货 On request																									
20																										
21																										
22																										

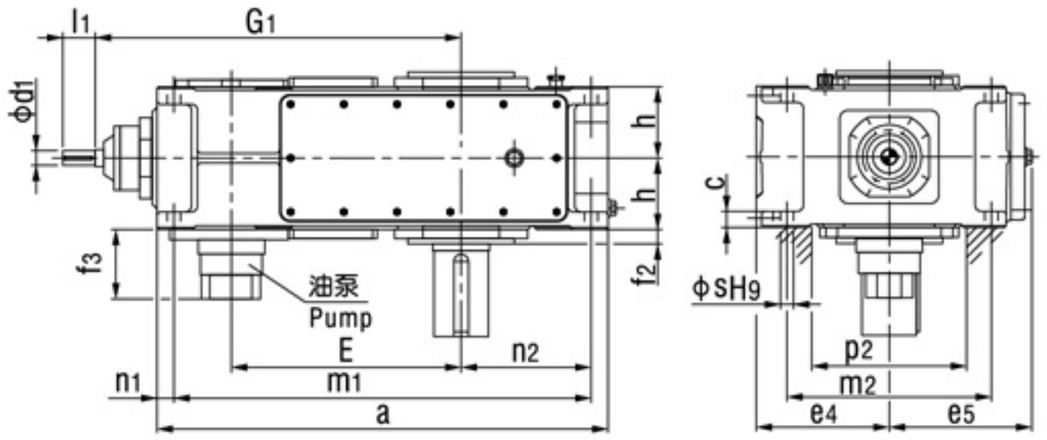
机座号 Size	D_3	D_4	e_3	E	f_2	f_3	G_1	G_2	G_3	G_4	G_5	G_6	G_7	h	l_2	m_1	m_2	n_1	n_2	p_2	s	润滑油oil (l)	重量weight (kg)
13	190	190	265	635	35	170	1125	335	1160	335	480	335	1180	272.5	350	1195	680	50	360	500	48	95	2260
14	210	210	265	705	35	170	1195	335	1230	335	480	335	1250	272.5	350	1335	680	50	430	500	48	110	2615
15	230	230	320	762	42	170	1367	380	1402	380	550	380	1420	310	410	1435	750	60	430	570	55	165	3540
16	240	240	320	808	42	170	1413	380	1448	380	550	380	1470	310	410	1525	750	60	475	570	55	190	3765
17	250	250	370	860	42	170	1560	415	1600	415	600	415	1620	340	410	1610	850	70	465	630	55	210	4760
18	280	280	370	920	42	170	1620	415	1660	415	600	415	1680	340	470	1730	850	70	525	630	55	240	5240
19	按客户要求供货 On request																						
20																							
21																							
22																							

B4.V5 ~ B4.V12

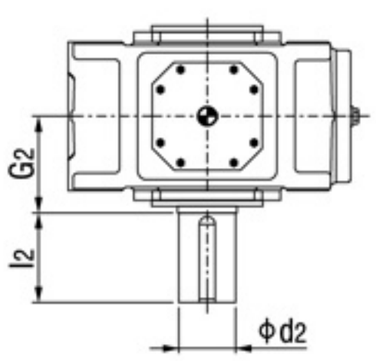
B4SV、B4HV、B4DV （浸油润滑 With dip lubrication ）



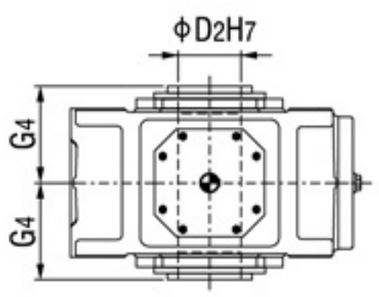
B4SV、B4HV、B4DV （强制润滑 With forced lubrication ）



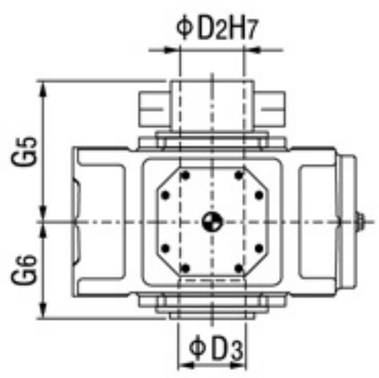
B4SV
实心轴
Solid shaft



B4HV
空心轴
Hollow shaft

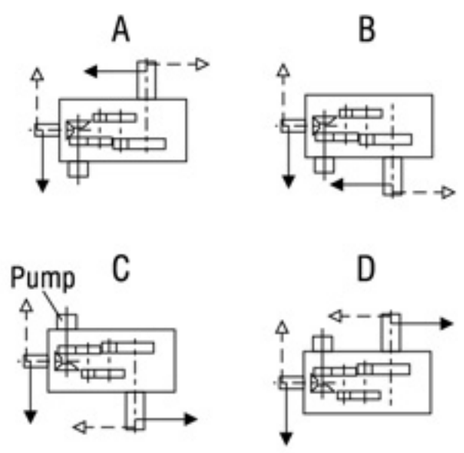


B4DV
带胀紧盘的空心轴
Hollow shaft for shrink disk



A、D布置形式按客户要求供货
Design A&D on request

布置形式 Design:



机座号 Size	i_N = 80 – 180		i_N = 100 – 224		i_N = 200 – 315		i_N = 250 – 400		a	b_1	c	d_2	D_2	D_3	D_4	e_4	e_5	e_6
	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1										
5	35	55			25	50			690	240	30±1	100	95	100	100	230	252	385
6			35	55			25	50	770	240	30±1	110	105	110	110	230	252	425
7	35	70			30	60			845	240	36±1	120	115	120	120	280	292	425
8			35	70			30	60	950	240	36±1	130	125	130	130	280	302	485
9	45	80			35	60			1000	330	45±1.5	140	135	140	140	320	342	560
10			45	80			35	60	1100	330	45±1.5	160	150	150	150	320	342	610
11	50	100			40	80			1200	330	54±1.5	170	165	165	165	380	402	595
12			50	100			40	80	1355	330	54±1.5	180	180	180	180	380	410	680

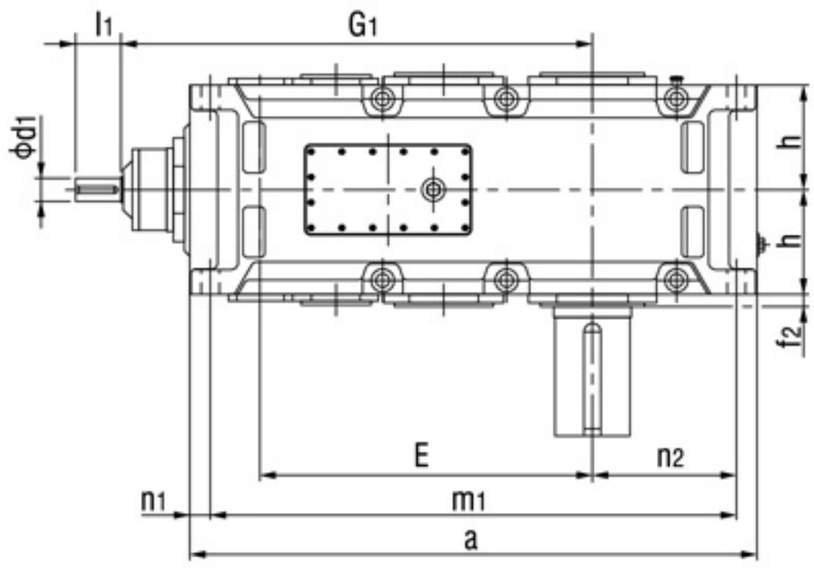
机座号 Size	E	G_1	f_2	f_3	G_2	G_4	G_5	G_6	h	h_1	l_2	m_1	m_2	n_1	n_2	p_2	s	润滑油oil (l)		重量 weight (kg)
																		(1)**	(2)**	
5	405	615	28	200	165	165	240	165	127.5	205	210	630	360	30	175	270	24	36	15	335
6	440	650	28	200	165	165	240	165	127.5	205	210	710	360	30	220	270	24	40	16	385
7	495	725	30	120	195	195	280	195	150	205	210	775	430	35	215	330	28	60	30	555
8	540	770	32	120	195	195	285	195	150	205	250	880	430	35	275	330	28	70	35	655
9	580	840	32	120	235	235	330	235	185	275	250	920	490	40	260	370	36	110	60	890
10	630	890	32	120	235	235	350	235	185	275	300	1020	490	40	310	370	36	130	67	1025
11	705	1010	35	130	270	270	440	270	215	275	300	1100	600	50	295	440	40	180	75	1485
12	775	1080	35	130	270	270	405	270	215	275	300	1255	600	50	380	440	40	195	85	1750

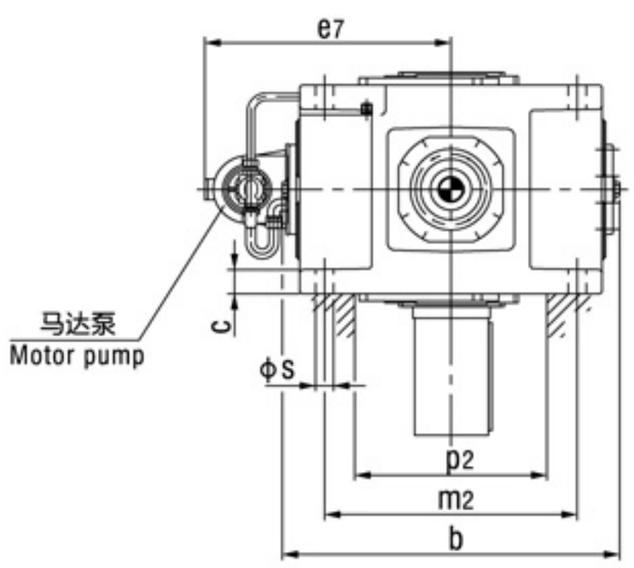
(1)**浸油润滑；(2)**强制润滑。

(1)**Dip lubrication, (2)**Forced lubrication.

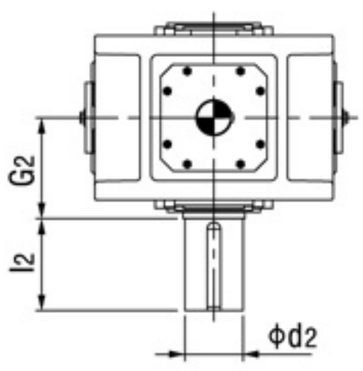
B4.V13 ~ B4.V22

B4SV、B4HV、B4DV（强制润滑 With forced lubrication）

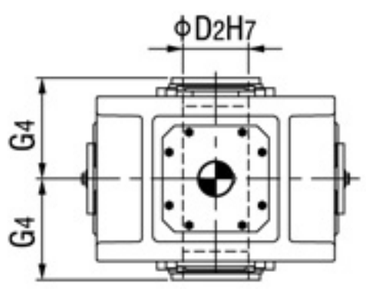




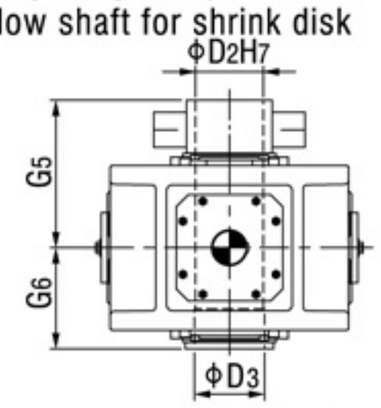
B4SV
实心轴
Solid shaft



B4HV
空心轴
Hollow shaft

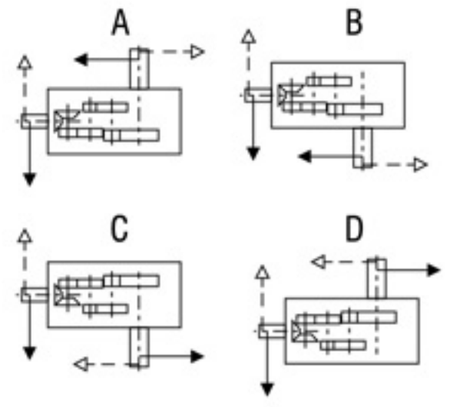


B4DV
带胀紧盘的空心轴
Hollow shaft for shrink disk



A、D布置形式按客户要求供货
Design A&D on request

布置形式 Design:



机座号 Size	i_N = 80 - 180		i_N = 90 - 200		i_N = 100 - 224		i_N = 200 - 315		i_N = 224 - 355		i_N = 250 - 400		a	b	c	d_2	D_2	D_3
	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1						
13	60	110					50	100					1395	900	61±2	200	190	190
14					60	110					50	100	1535	900	61±2	210	210	210
15	75	135					60	110					1680	980	72±2	230	230	230
16			75	135					60	110			1770	980	72±2	240	240	240
17	75	135					60	110					1770	1110	81±2	250	250	250
18			75	135					60	110			1890	1110	81±2	270	275	280
19	按客户要求供货 On request																	
20																		
21																		
22																		

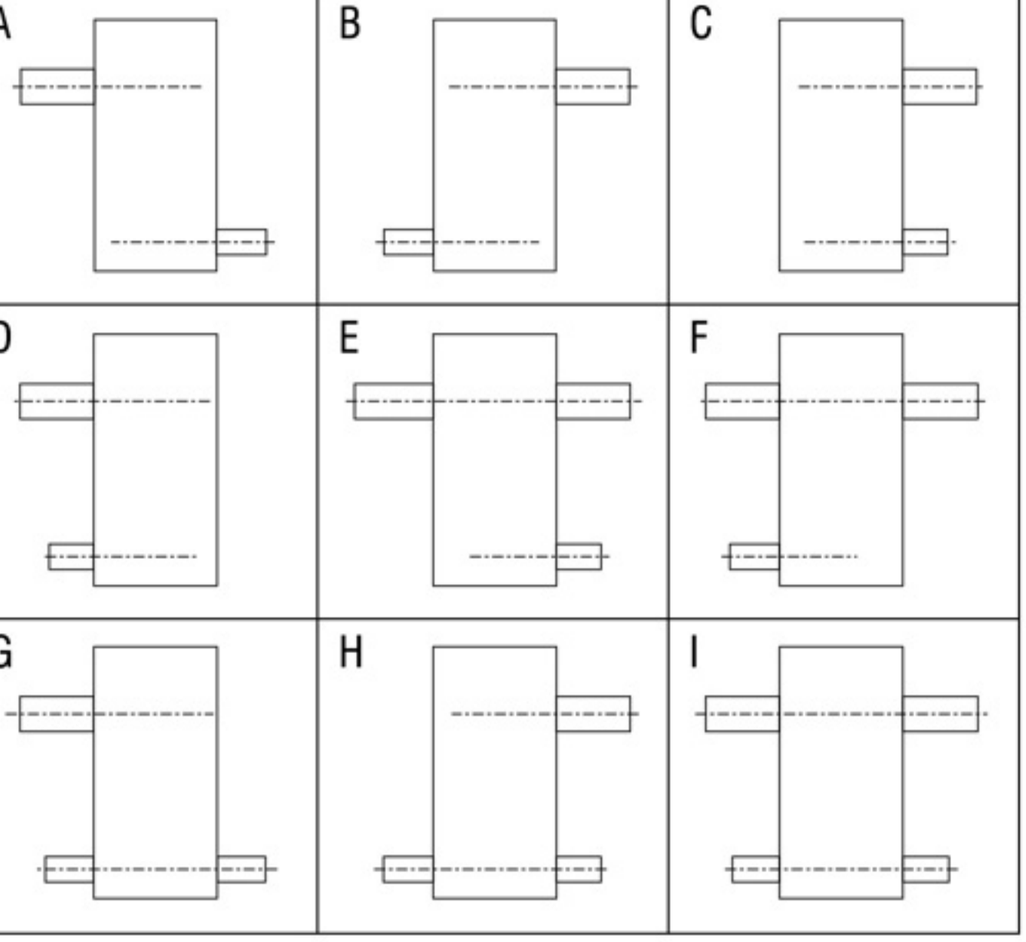
机座号 Size	D_4	e_7	E	f_2	G_1	G_2	G_4	G_5	G_6	h	l_2	m_1	m_2	n_1	n_2	p_2	s	润滑油oil (l)	重量weight (kg)
13	190	670	820	35	1170	335	335	480	335	272.5	350	1300	680	50	360	500	48	130	2280
14	210	670	890	35	1240	335	335	480	335	272.5	350	1440	680	50	430	500	48	150	2605
15	230	710	987	42	1402	380	380	550	380	310	410	1565	750	60	430	570	55	200	3435
16	240	710	1033	42	1448	380	380	550	380	310	410	1655	750	60	475	570	55	235	3765
17	250	775	1035	42	1450	415	415	600	415	340	410	1640	850	70	465	630	55	215	4460
18	280	775	1095	42	1510	415	415	600	415	340	470	1760	850	70	525	630	55	250	4930
19	按客户要求供货 On request																		
20																			
21																			
22																			



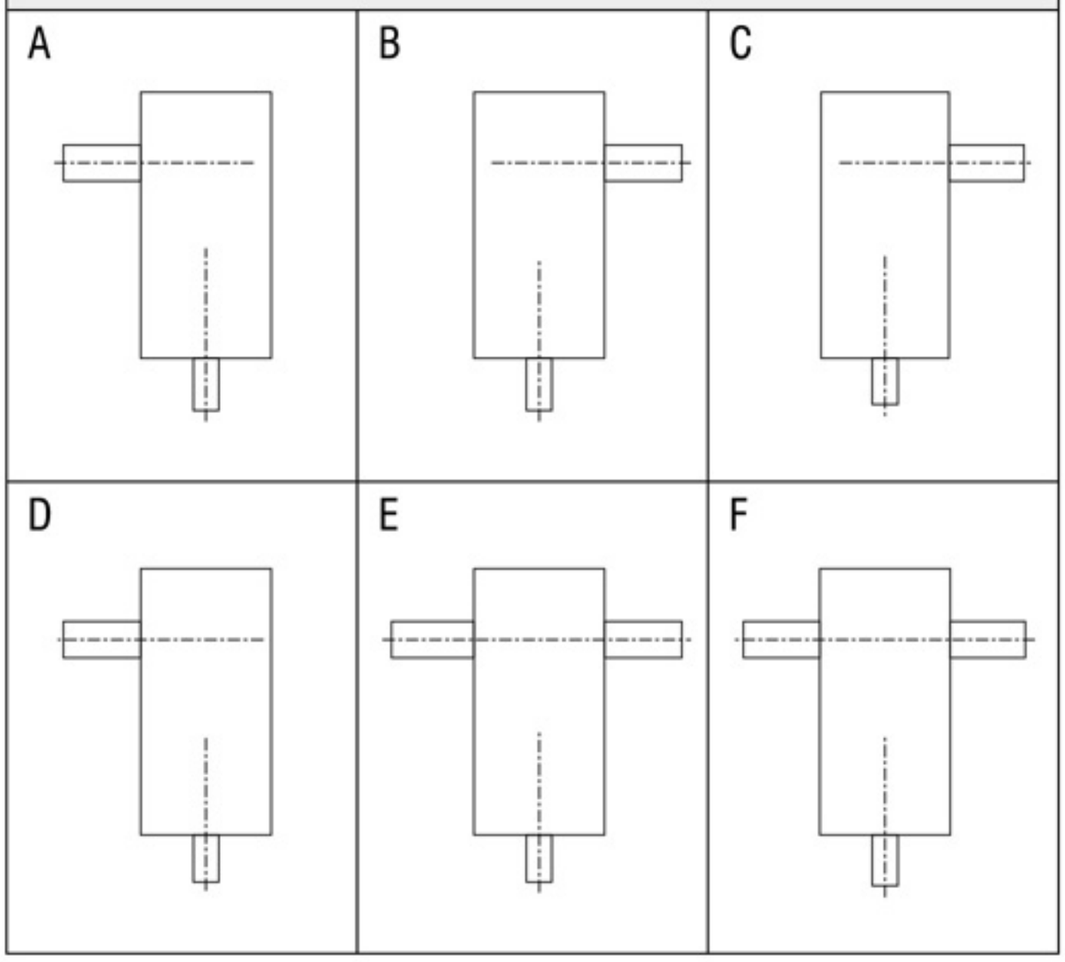
HB系列轴布置形式：

Design:

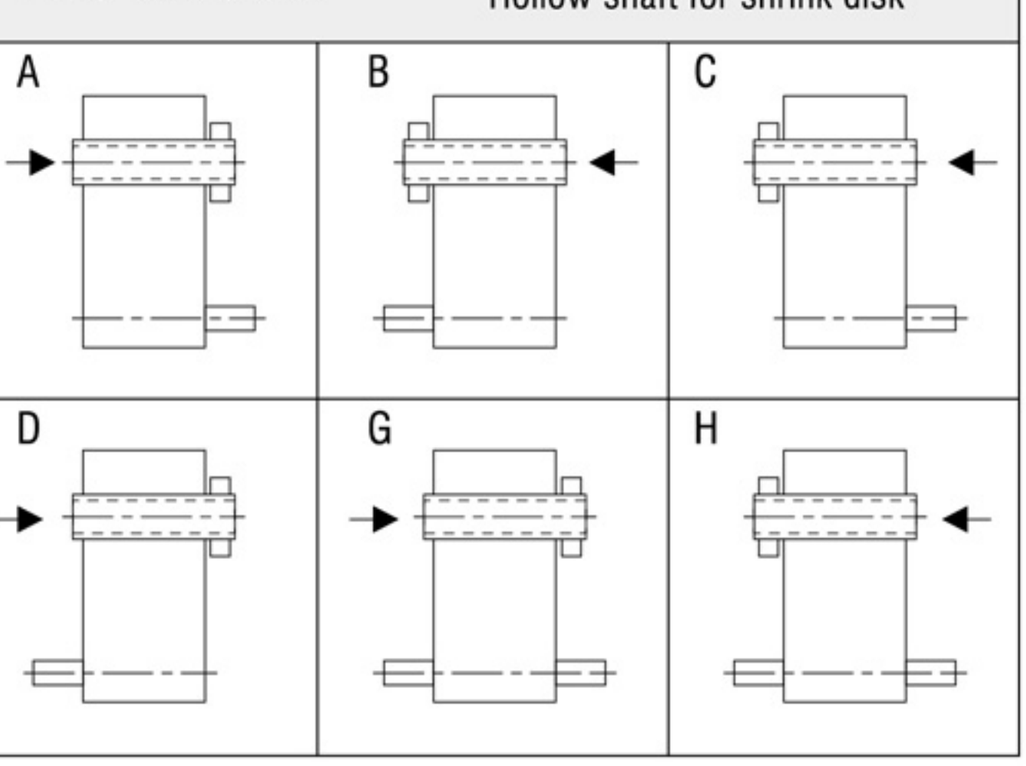
H系列斜齿齿轮箱	Helical gear units
H.SH，H.SV	实心轴 Solid shaft



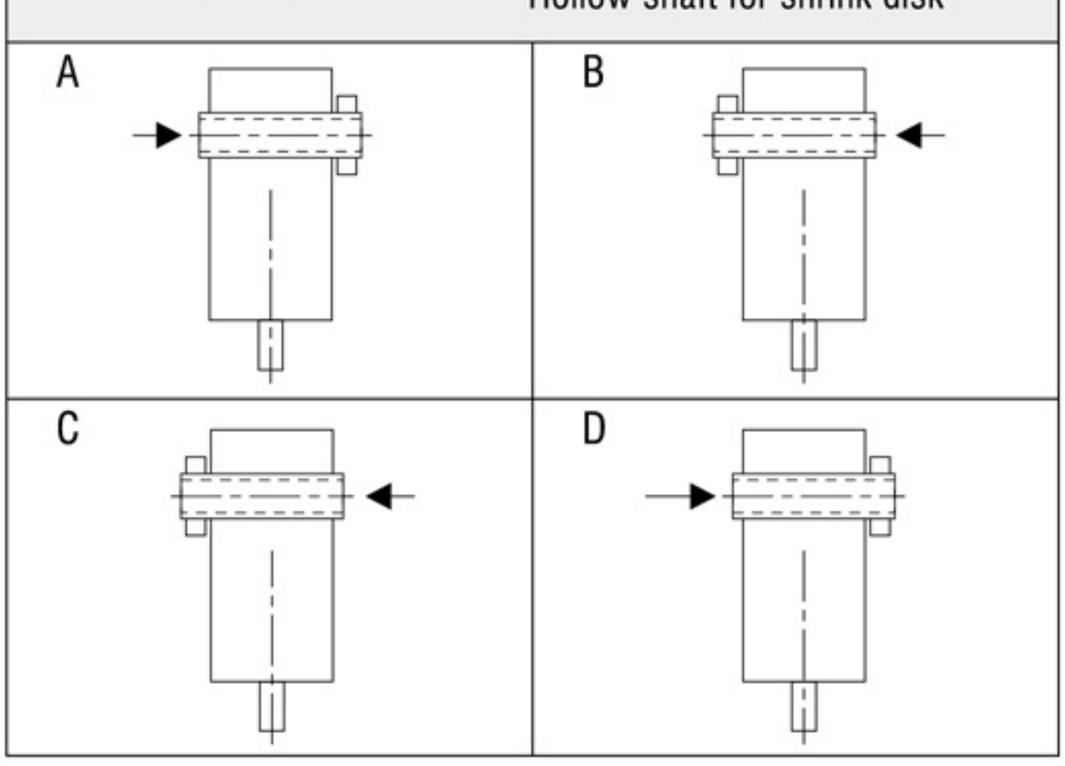
B系列螺旋锥齿轮—斜齿齿轮箱	Bevel-helical gear units
B.SH，B.SV	实心轴 Solid shaft



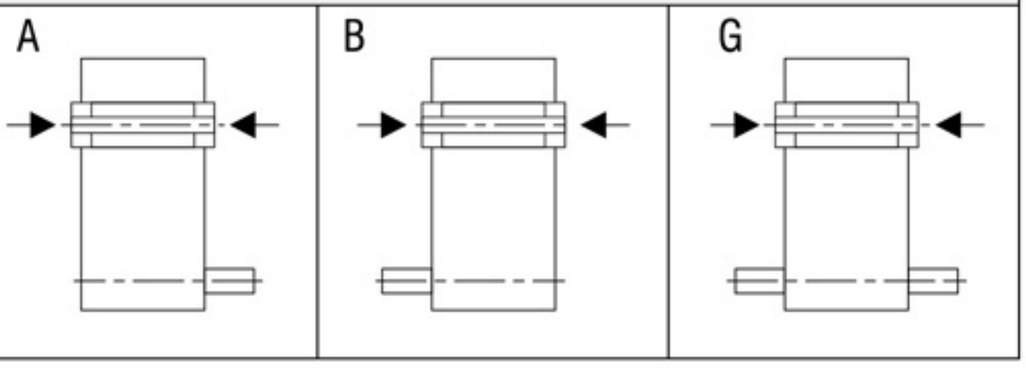
H.DH，H.DM，H.DV	带胀紧盘的空心轴 Hollow shaft for shrink disk



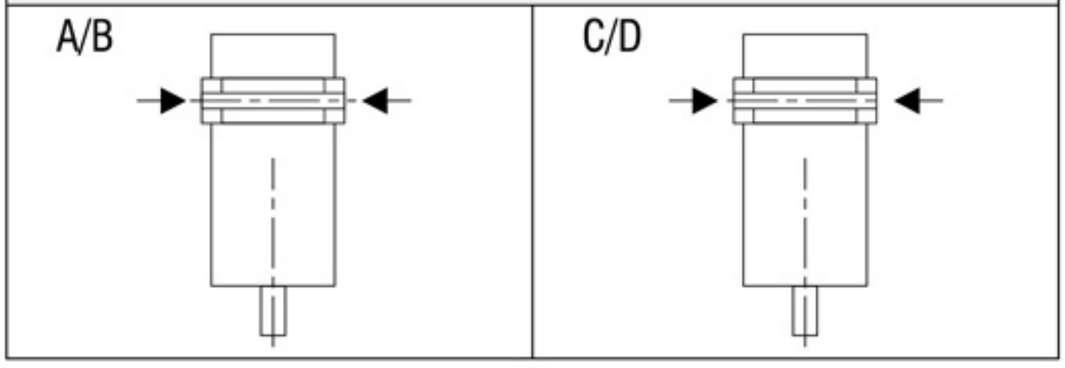
B.DH，B.DM，B.DV	带胀紧盘的空心轴 Hollow shaft for shrink disk



H.HH，H.HM，H.HV	空心轴 Hollow Shaft



B.HH，B.HM，B.HV	空心轴 Hollow Shaft

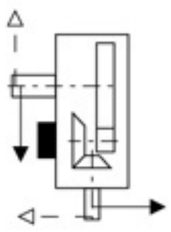
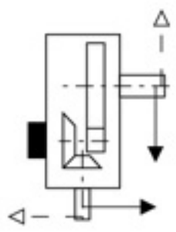
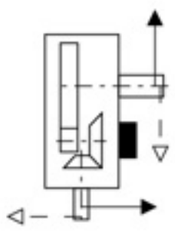
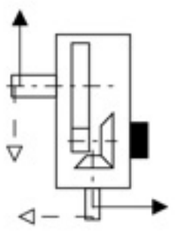
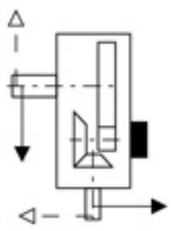
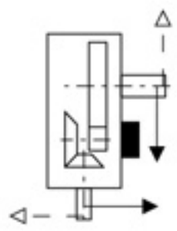
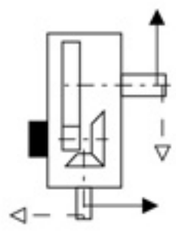
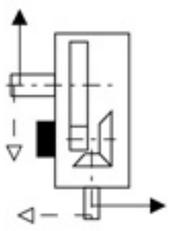
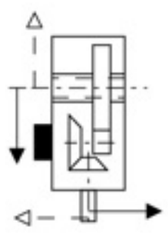
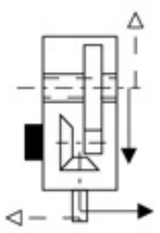
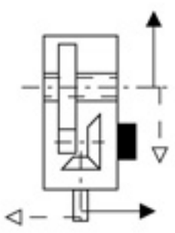
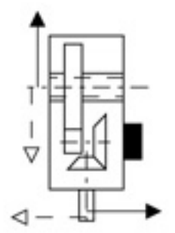
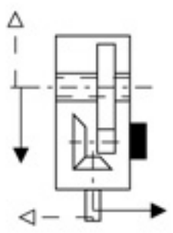
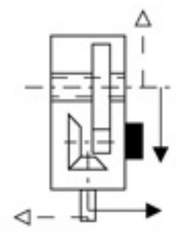
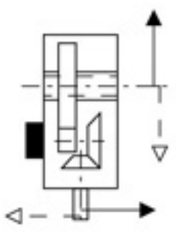
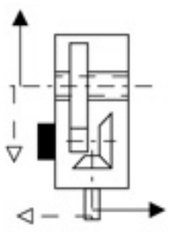
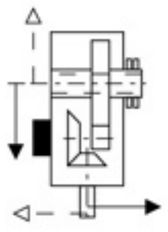
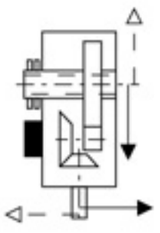
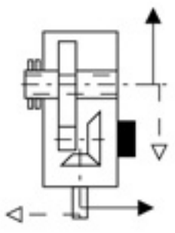
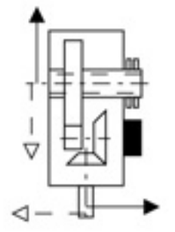
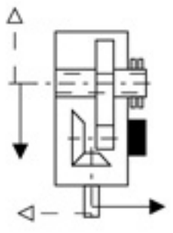
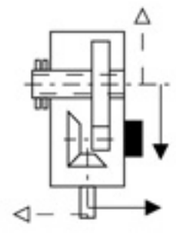
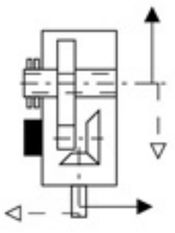
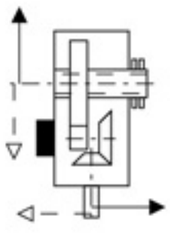


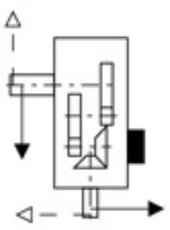
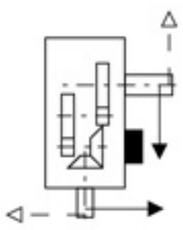
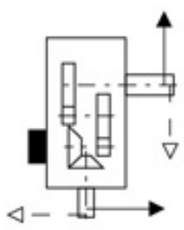
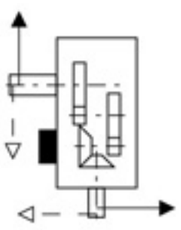
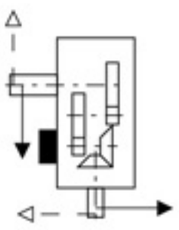
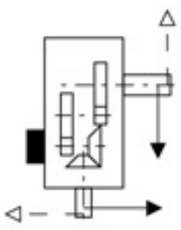
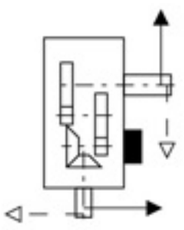
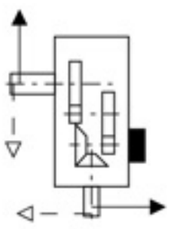
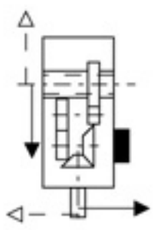
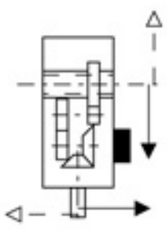
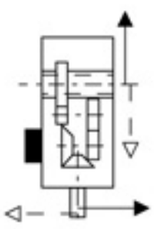
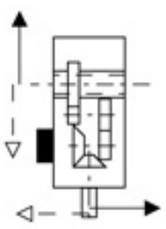
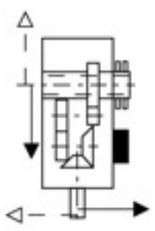
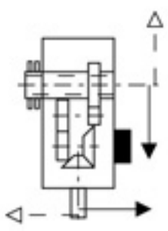
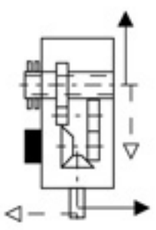
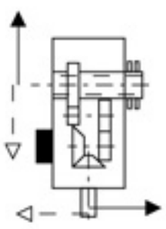
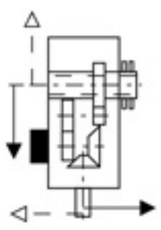
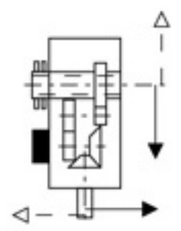
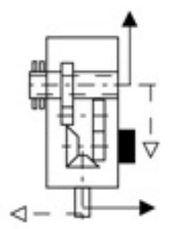
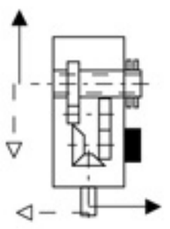
注：箭头表示工作机驱动轴插入方向。

Note: The arrow indicates the direction of insertion of the driven machine shaft.

逆止器布置及轴旋转方向关系：

Standard backstop arrangement and dependence of direction of rotation:

Type	Sizes 3 ... 14				Sizes 15 ... 18			
	A	B	C	D	A	B	C	D
B2SH								
B2HH B2HM								
B2DH B2DM								

Type	Sizes 3 ... 18				Sizes 19 ... 22			
	A	B	C	D	A	B	C	D
B3SH								
B3HH B3HM								
B3DH B3DM								

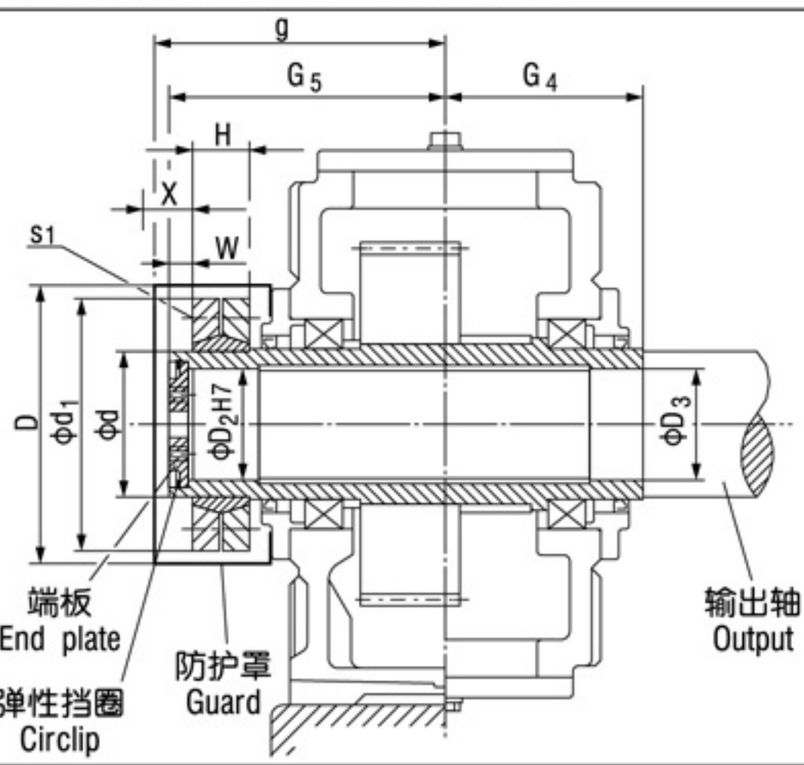


带胀紧盘和平键联接的空心轴尺寸图表：

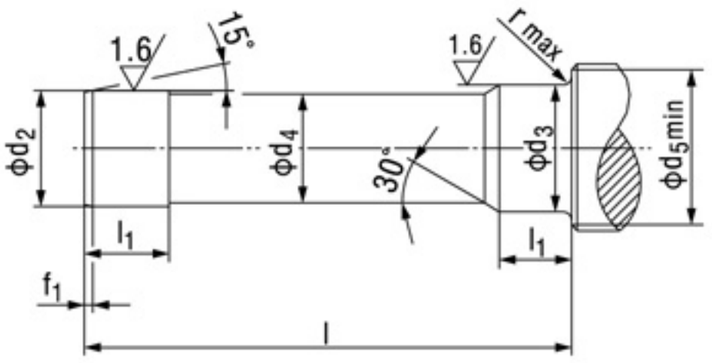
Hollow Shafts for Shrink Disks and Parallel Key Connections:

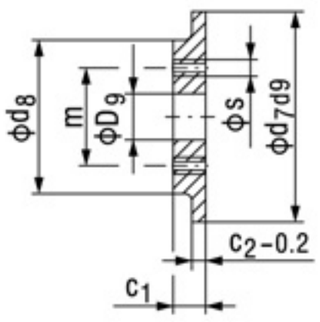
带胀紧盘联接的空心轴尺寸图表：

Hollow Shafts for Shrink Disks:



用于胀紧盘联接的工作机驱动轴。
工作机驱动轴表面不得沾有机油或润滑脂。
Driven machine shaft for shrink disk connection.
Driven machine shaft must be free of oil or grease.





X = 要求预留的力矩扳手空间 Space required for torque wrench

类型H2D., H3D., H4D., B3D., B4D. (规格4～22)

Type H2D., H3D., H4D., B3D., B4D. (Size 4 ~ 22)

齿轮箱型号 Gear unit size	工作机驱动轴 Driven machine shaft 2)								端板 End plate								弹性挡圈 Circlip	空心轴 Hollow shaft				胀紧盘 Shrink disk 1)					螺钉 Screw	防护罩 Guard	
	d_2	d_3	d_4	d_5	f_1	l	l_1	r	c_1	c_2	d_7	d_8	D_9	m	s	数量 Qty.		D_2	D_3	G_4	G_5	Type	d	d_1	H	W	s_1	D	g
4	85 g6	85 h6	84.5	95	4	326	48	2	17	7	90	70	22	50	M 8	2	90 x 3	85	85	140	205	SP2-110	110	185	49	20	M 12	235	220
5	100 g6	100 h6	99.5	114	5	383	53	2	20	8	105	80	26	55	M 10	2	105 x 4	100	100	165	240	SP2-125	125	215	53	20	M 12	275	255
6	110 g6	110 h6	109.5	124	5	383	58	3	20	8	115	85	26	60	M 10	2	115 x 4	110	110	165	240	SP2-140	140	230	58	20	M 14	285	255
7	120 g6	120 h6	119.5	134	5	453	68	3	20	8	125	90	26	65	M 12	2	125 x 4	120	120	195	280	SP2-155	155	263	62	23	M 14	330	295
8	130 g6	130 h6	129.5	145	6	458	73	3	20	8	135	100	26	70	M 12	2	135 x 4	130	130	195	285	SP2-165	165	290	68	23	M 16	340	300
9	140 g6	140 m6	139.5	160	6	539	82	4	23	10	150	110	33	80	M 12	2	150 x 4	140	140	235	330	SP2-175	175	300	68	28	M 16	360	345
10	150 g6	150 m6	149.5	170	6	559	92	4	23	10	160	120	33	90	M 12	2	160 x 4	150	150	235	350	SP2-200	200	340	85	28	M 16	395	365
11	165 f6	165 m6	164.5	185	7	644	112	4	23	10	175	130	33	90	M 12	2	175 x 4	165	165	270	400	SP2-220	220	370	103	30	M 20	435	420
12	180 f6	180 m6	179.5	200	7	649	122	4	23	10	190	140	33	100	M 16	2	190 x 4	180	180	270	405	SP2-240	240	405	107	30	M 20	450	420
13	190 f6	190 m6	189.5	213	7	789	137	5	23	10	200	150	33	110	M 16	2	200 x 4	190	190	335	480	SP2-260	260	430	119	30	M 20	500	505
14	210 f6	210 m6	209.5	233	8	784	147	5	28	14	220	170	33	130	M 16	2	220 x 5	210	210	335	480	SP2-280	280	460	132	30	M 20	525	505
15	230 f6	230 m6	229.5	253	8	899	157	5	28	14	240	180	39	140	M 16	2	240 x 5	230	230	380	550	SP2-300	300	485	140	35	M 24	575	575
16	240 f6	240 m6	239.5	263	8	899	157	5	28	14	250	190	39	150	M 20	2	250 x 5	240	240	380	550	SP2-320	320	520	140	35	M 24	595	575
17	250 f6	250 m6	249.5	278	8	982	177	5	30	14	265	200	39	150	M 20	2	265 x 5	250	250	415	600	SP2-340	340	570	155	35	M 24	615	630
18	280 f6	280 m6	279.5	306	9	982	177	5	30	14	290	210	39	160	M 20	2	290 x 5	280	280	415	600	SP2-360	360	590	162	35	M 24	635	625
19	285 f6	285 m6	284.5	316	9	1100	187	5	32	15	300	220	39	170	M 24	2	300 x 5	285	285	465	670	SP2-380	380	640	166	40	M 27	▮	▮
20	310 f6	310 m6	309.5	336	9	1100	187	5	32	15	320	230	39	180	M 24	2	320 x 6	310	310	465	670	SP2-390	390	650	166	40	M 27	▮	▮
21	330 f6	330 m6	329	358	9	1160	205	5	40	20	340	250	45	190	M 24	2	340 x 6	330	330	490	715	SP2-420	420	670	186	45	M 27	▮	▮
22	340 f6	340 m6	339	368	9	1170	215	5	40	20	350	260	45	200	M 24	2	350 x 6	340	340	490	725	SP2-440	440	720	194	45	M 27	▮	▮
23、24 25、26	按客户要求供货 On request																												

类型B2D. (规格4～18)

Type B2D. (Size 4 ~ 18)

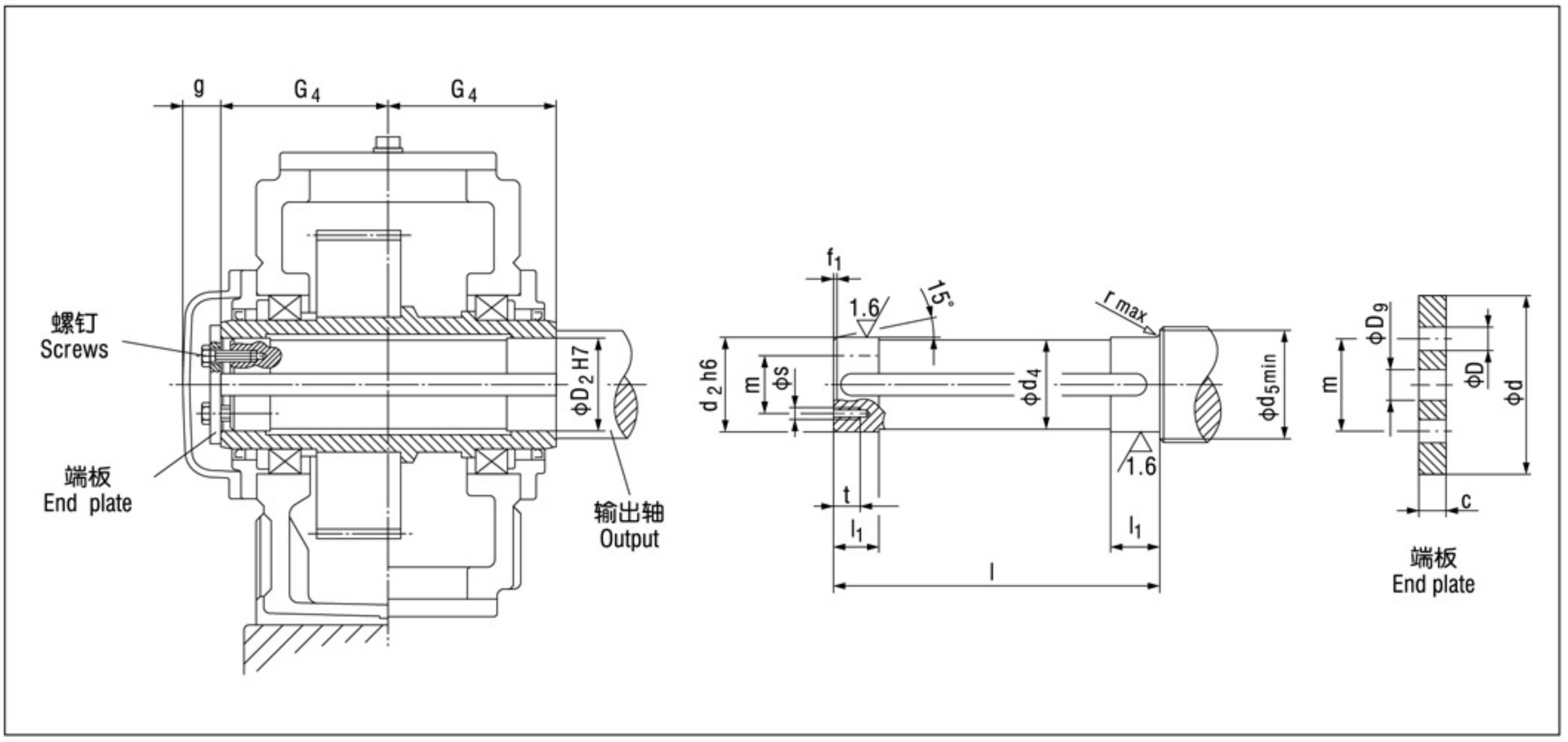
齿轮箱型号 Gear unit size	工作机驱动轴 Driven machine shaft 2)								端板 End plate								弹性挡圈 Circlip	空心轴 Hollow shaft				胀紧盘 Shrink disk 1)					螺钉 Screw	防护罩 Guard	
	d_2	d_3	d_4	d_5	f_1	l	l_1	r	c_1	c_2	d_7	d_8	D_9	m	s	数量 Qty.		D_2	D_3	G_4	G_5	Type	d	d_1	H	W	s_1	D	g
4	85 g6	85 h6	84.5	95	4	386	48	2	17	7	90	70	22	50	M 8	2	90 x 3	85	85	170	235	SP2-110	110	185	49	20	M 12	235	250
5	100 g6	100 h6	99.5	114	5	453	53	2	20	8	105	80	26	55	M 10	2	105 x 4	100	100	200	275	SP2-125	125	215	53	20	M 12	275	285
6	110 g6	110 h6	109.5	124	5	453	58	3	20	8	115	85	26	60	M 10	2	115 x 4	110	110	200	275	SP2-140	140	230	58	20	M 14	285	285
7	120 g6	120 h6	119.5	134	5	533	68	3	20	8	125	90	26	65	M 12	2	125 x 4	120	120	235	320	SP2-155	155	263	62	23	M 14	330	335
8	130 g6	130 h6	129.5	145	6	538	73	3	20	8	135	100	26	70	M 12	2	135 x 4	130	130	235	325	SP2-165	165	290	68	23	M 16	340	340
9	140 g6	140 m6	139.5	160	6	609	82	4	23	10	150	110	33	80	M 12	2	150 x 4	140	140	270	365	SP2-175	175	300	68	28	M 16	360	380
10	150 g6	150 m6	149.5	170	6	629	92	4	23	10	160	120	33	90	M 12	2	160 x 4	150	150	270	385	SP2-200	200	340	85	28	M 16	395	400
11	165 f6	165 m6	164.5	185	7	744	112	4	23	10	175	130	33	90	M 12	2	175 x 4	165	165	320	450	SP2-220	220	370	103	30	M 20	435	470
12	180 f6	180 m6	179.5	200	7	749	122	4	23	10	190	140	33	100	M 16	2	190 x 4	180	180	320	455	SP2-240	240	405	107	30	M 20	450	470
14	210 f6	210 m6	209.5	233	8	894	147	5	28	14	220	170	33	130	M 16	2	220 x 5	210	210	390	535	SP2-280	280	460	132	30	M 20	525	555
16	240 f6	240 m6	239.5	263	8	1039	157	5	28	14	250	190	39	150	M 20	2	250 x 5	240	240	450	620	SP2-320	320	520	140	35	M 24	595	645
18	280 f6	280 m6	279.5	306	9	1177	177	5	30	14	290	210	39	160	M 20	2	290 x 5	280	280	510	700	SP2-360	360	590	162	35	M 24	635	725

1）胀紧盘不在我们的供货范围之内。如果需要的话，请另行订货。
2）工作机驱动轴材质：40Cr或强度更高的钢。工作机驱动轴不在供货范围之内，但尺寸函索即复。

1) Shrink disk does not belong to our scope of supply. Please order separately, if required.
2) Material of driven machine shaft: 40Cr or higher strength.
Driven machine shaft does not belong to our scope of supply.
Shrink disk is supplied as loose item, dimensions of machine shaft on request.

带平键联接的空心轴尺寸图表：

Hollow Shafts for flat key:



HB

类型H2H., H3H., H4H., B3H., B4H. (规格4～18)

Type H2H., H3H., H4H., B3H., B4H. (Size 4 ~ 18)

齿轮箱型号 Gear unit size	工作机驱动轴 Driven machine shaft									端板 End plate					螺钉 Screw		空心轴 Hollow shaft		
	d_2	d_4	d_5	f_1	l	l_1	r	s	t	c	D	D_9	d	m	规格Size	数量Qty.	D_2	G_4	g
4	80	79.5	88	4	278	35	1.2	M 10	18	10	11	22	100	60	M 10 x 25	2	80	140	35
5	95	94.5	105	5	328	40	1.6	M 10	18	10	11	26	120	70	M 10 x 25	2	95	165	40
6	105	104.5	116	5	328	45	1.6	M 10	18	10	11	26	120	70	M 10 x 25	2	105	165	40
7	115	114.5	126	5	388	50	1.6	M 12	20	12	13.5	26	140	80	M 12 x 30	2	115	195	40
8	125	124.5	136	6	388	55	2.5	M 12	20	12	13.5	26	150	85	M 12 x 30	2	125	195	40
9	135	134.5	147	6	467	60	2.5	M 12	20	12	13.5	33	160	90	M 12 x 30	2	135	235	45
10	150	149.5	162	6	467	65	2.5	M 12	20	12	13.5	33	185	110	M 12 x 30	2	150	235	45
11	165	164.5	177	7	537	70	2.5	M 16	28	15	17.5	33	195	120	M 16 x 40	2	165	270	45
12	180	179.5	192	7	537	75	2.5	M 16	28	15	17.5	33	220	130	M 16 x 40	2	180	270	45
13	190	189.5	206	7	667	80	3	M 16	28	18	17.5	33	230	140	M 16 x 40	2	190	335	45
14	210	209.5	226	8	667	85	3	M 16	28	18	17.5	33	250	160	M 16 x 40	2	210	335	45
15	230	229.5	248	8	756	100	3	M 20	38	25	22	39	270	180	M 20 x 55	4	230	380	60
16	240	239.5	258	8	756	100	3	M 20	38	25	22	39	280	180	M 20 x 55	4	240	380	60
17	250	249.5	270	8	826	110	4	M 20	38	25	22	39	300	190	M 20 x 55	4	250	415	60
18	275	274.5	295	9	826	120	4	M 20	38	25	22	39	330	210	M 20 x 55	4	275	415	60

类型B2H. (规格4～18)

Type B2H. (Size 4 ~ 18)

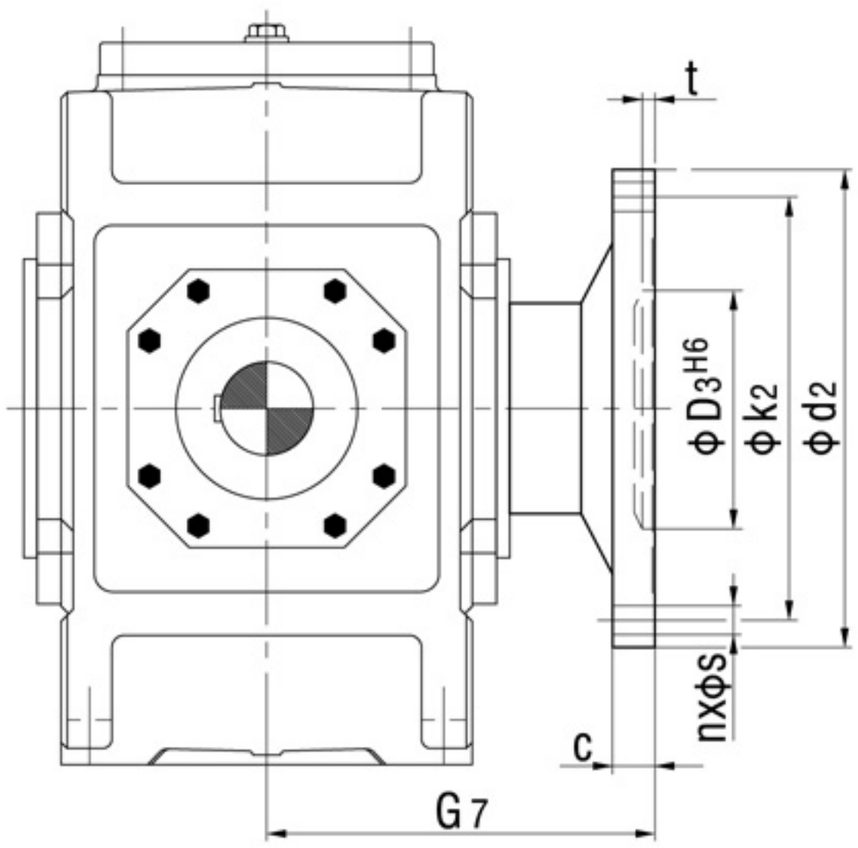
齿轮箱型号 Gear unit size	工作机驱动轴 Driven machine shaft									端板 End plate					螺钉 Screw		空心轴 Hollow shaft		
	d_2	d_4	d_5	f_1	l	l_1	r	s	t	c	D	D_9	d	m	规格Size	数量Qty.	D_2	G_4	g
4	80	79.5	88	4	338	35	1.2	M 10	18	10	11	22	100	60	M 10 x 25	2	80	170	35
5	95	94.5	105	5	398	40	1.6	M 10	18	10	11	26	120	70	M 10 x 25	2	95	200	40
6	105	104.5	116	5	398	45	1.6	M 10	18	10	11	26	120	70	M 10 x 25	2	105	200	40
7	115	114.5	126	5	468	50	1.6	M 12	20	12	13.5	26	140	80	M 12 x 30	2	115	235	40
8	125	124.5	136	6	468	55	2.5	M 12	20	12	13.5	26	150	85	M 12 x 30	2	125	235	40
9	135	134.5	147	6	537	60	2.5	M 12	20	12	13.5	33	160	90	M 12 x 30	2	135	270	45
10	150	149.5	162	6	537	65	2.5	M 12	20	12	13.5	33	185	110	M 12 x 30	2	150	270	45
11	165	164.5	177	7	637	70	2.5	M 16	28	15	17.5	33	195	120	M 16 x 40	2	165	320	45
12	180	179.5	192	7	637	75	2.5	M 16	28	15	17.5	33	220	130	M 16 x 40	2	180	320	45
14	210	209.5	226	8	777	85	3	M 16	28	18	17.5	33	250	160	M 16 x 40	2	210	390	45
16	240	239.5	258	8	896	100	3	M 20	38	25	22	39	280	180	M 20 x 55	4	240	450	60
18	275	274.5	295	9	1016	120	4	M 20	38	25	22	39	330	210	M 20 x 55	4	275	510	60

1）工作机驱动轴材质：40Cr或强度更高的钢。
2）工作机驱动轴及平键不在我们的供货范围之内。
如果需要的话，请另订货。

1)Material of driven machine shaft: 40Cr or higher strength.
2)Parallel key does not belong to our scope of supply.
Please order separately, if required.

带法兰轴：　　With Flanged Shaft d_2 :

B2FH,B3FH,B2FM,B3FM,B3FE



Gear unit size	c	d_2	D_3	k_2	n	s	t	B3F.		B2F.	
								G 7	add. weight	G 7	add. weight
5	25	300	150	260	16	22	10	255	35	290	40
6	25	320	160	280	18	22	10	255	40	290	45
7	30	370	180	320	16	26	10	300	50	340	55
8	30	390	190	340	18	26	10	300	55	340	60
9	38	430	220	380	20	26	12	350	85	385	90
10	38	470	240	420	22	26	12	350	90	385	95
11	42	510	260	450	18	33	12	400	130	450	135
12	42	540	280	480	22	33	12	400	140	450	150
13	48	580	310	500	20	33	14	480	160	525	170
14	48	620	310	540	24	33	14	480	170	525	180
15	55	710	360	630	28	33	17	550	240	625	255
16	55	740	360	660	30	33	17	550	255	625	270
17	60	750	410	660	24	39	18	600	300	695	320
18	60	800	410	710	26	39	18	600	350	695	370
19	65	860	460	770	30	39	18	670	按客户要求供货 On request	——	——
20	65	930	460	830	32	39	18	670			
21	75	950	520	850	28	45	20	710			
22	75	1040	520	940	28	45	20	710			
23,24,25,26	按客户要求供货 On request										

HB

齿轮箱冷却盘管尺寸图：

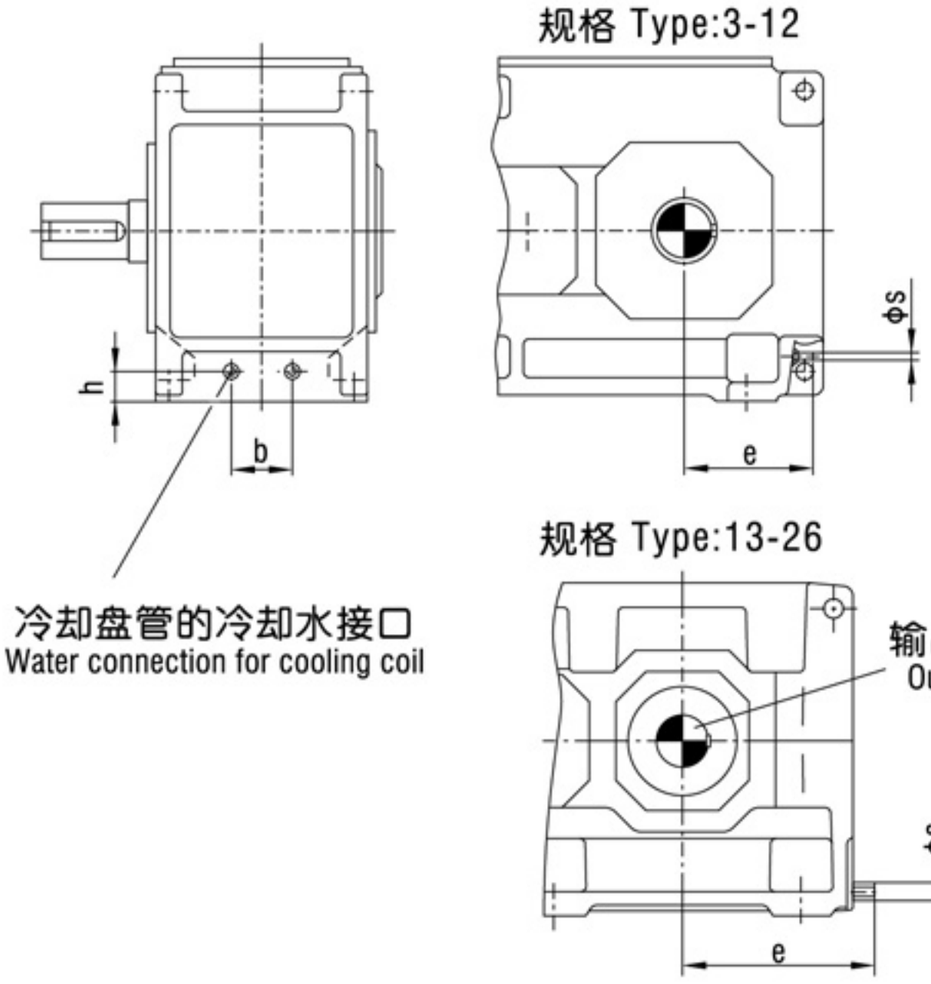
Gear Units Cooling Coils:

卧式安装：

Horizontal:

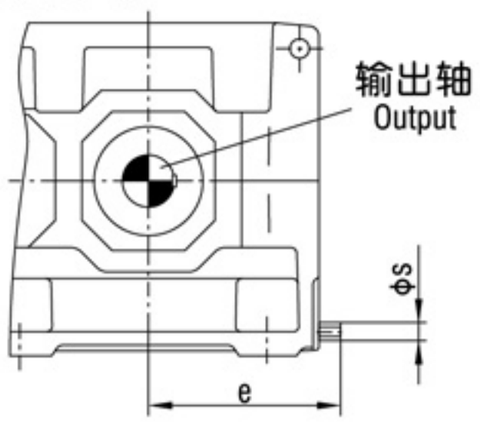
H1SH, H2.H, H3.H, B2.H, B3.H

规格 Type:3-12



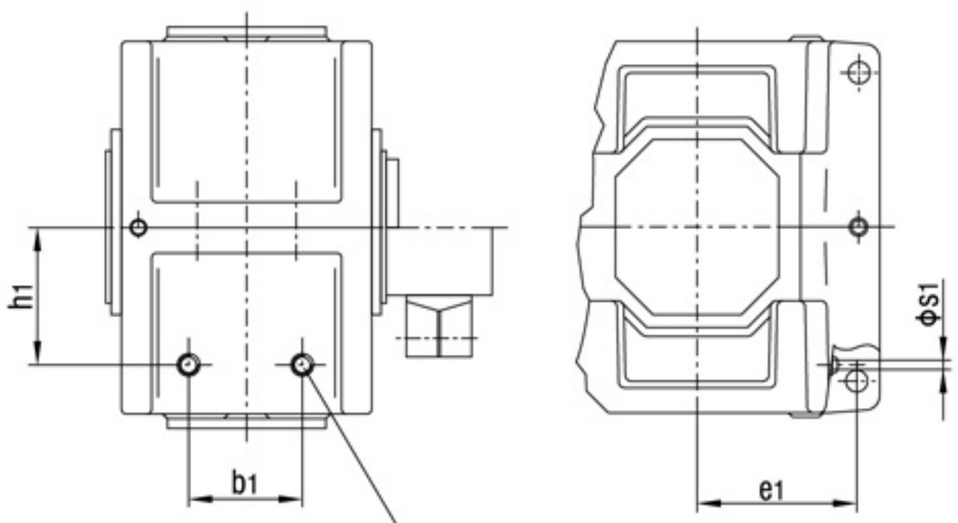
冷却盘管的冷却水接口
Water connection for cooling coil

规格 Type:13-26



H2.M, H3.M, B2.M, B3.M

规格 Type:13-26



冷却盘管的冷却水接口
Water connection for cooling coil

型号 Size	H1SH					H2.H / B3.H					H3.H					B2.H				
	b	e	h	s	水量 Water quantity (1)	b	e	h	s	水量 Water quantity (1)	b	e	h	s	水量 Water quantity (1)	b	e	h	s	水量 Water quantity (1)
3	48	205	74	G 1/2	4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
4	–	–	–	–	–	34	155	60	G 1/2	4	–	–	–	–	–	74	160	54	G 1/2	4
5	88	270	90	G 1/2	4	68	170	64	G 1/2	4	70	175	60	G 1/2	4	130	175	62	G 1/2	8
6	–	–	–	–	–	70	215	68	G 1/2	4	70	220	69	G 1/2	4	120	220	68	G 1/2	4
7	124	310	135	G 1/2	4	100	210	83	G 1/2	4	80	210	83	G 1/2	4	140	210	80	G 1/2	8
8	–	–	–	–	–	100	270	83	G 1/2	4	80	270	83	G 1/2	4	140	270	80	G 1/2	4
9	116	365	110	G 1/2	8	140	245	110	G 1/2	8	150	245	107	G 1/2	4	232	245	110	G 1/2	8
10	–	–	–	–	–	100	295	95	G 1/2	8	90	295	95	G 1/2	4	150	295	90	G 1/2	8
11	146	425	130	G 1/2	8	110	275	95	G 1/2	8	200	275	115	G 1/2	8	312	275	115	G 1/2	8
12	–	–	–	–	–	200	360	109	G 1/2	8	200	360	115	G 1/2	8	300	360	115	G 1/2	8
13	152	480	150	G 1/2	8	252	455	116	G 1/2	8	252	460	116	G 1/2	8	324	460	116	G 1/2	8
14	–	–	–	–	–	252	525	116	G 1/2	8	252	530	116	G 1/2	8	324	530	116	G 1/2	8
15	172	560	130	G 1/2	8	290	535	119	G 1/2	8	290	540	119	G 1/2	8	396	540	119	G 1/2	8
16	–	–	–	–	–	290	580	119	G 1/2	8	290	585	119	G 1/2	8	396	585	119	G 1/2	8
17	202	600	145	G 1/2	8	340	575	134	G 1/2	8	300	580	134	G 1/2	8	468	580	134	G 1/2	8
18	–	–	–	–	–	340	635	134	G 1/2	8	300	640	134	G 1/2	8	468	640	134	G 1/2	8
19	按客户要求供货 On request					按客户要求供货 On request					按客户要求供货 On request									
20 - 26	–																			

型号 Size	H2.M / B3.M					H3.M					B2.M				
	b1	e1	h1	s1	水量 Water quantity (1)	b1	e1	h1	s1	水量 Water quantity (1)	b1	e1	h1	s1	水量 Water quantity (1)
13	252	335	300	G 1/2	8	252	335	300	G 1/2	8	324	335	300	G 1/2	8
14	252	405	300	G 1/2	8	252	405	300	G 1/2	8	324	405	300	G 1/2	8
15	290	395	335	G 1/2	8	290	395	340	G 1/2	8	396	390	345	G 1/2	8
16	290	440	335	G 1/2	8	290	440	340	G 1/2	8	396	435	345	G 1/2	8
17	340	425	380	G 1/2	8	300	425	380	G 1/2	8	324	425	395	G 1/2	8
18	340	485	380	G 1/2	8	300	485	380	G 1/2	8	324	485	395	G 1/2	8
19 - 26	按客户要求供货 On request					按客户要求供货 On request					–				

注：冷却盘管适用于淡水、海水和半咸水。

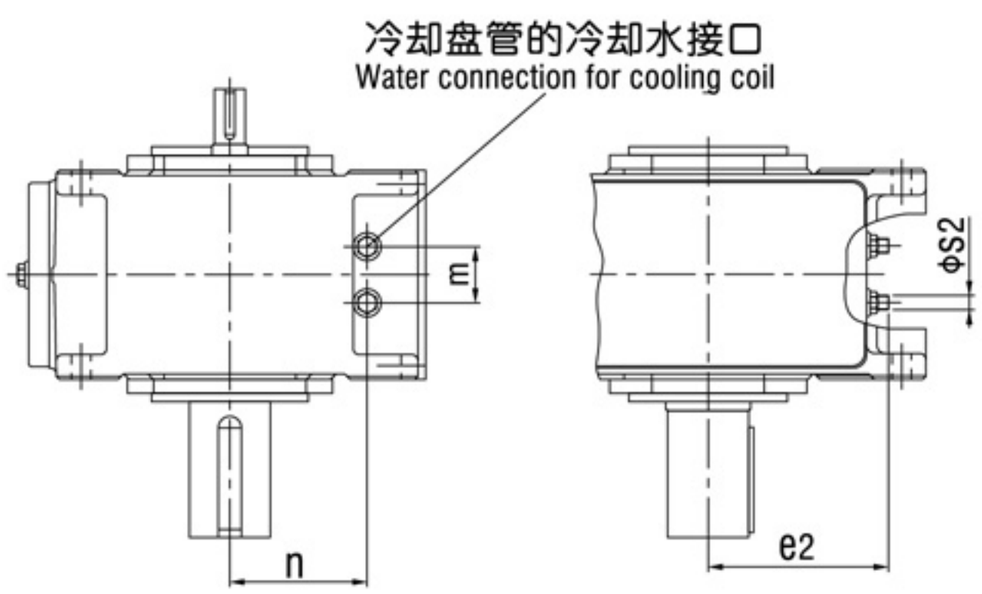
Note: Cooling Coil suitable for fresh, sea and Brackish water.



立式安装：　Vertical:

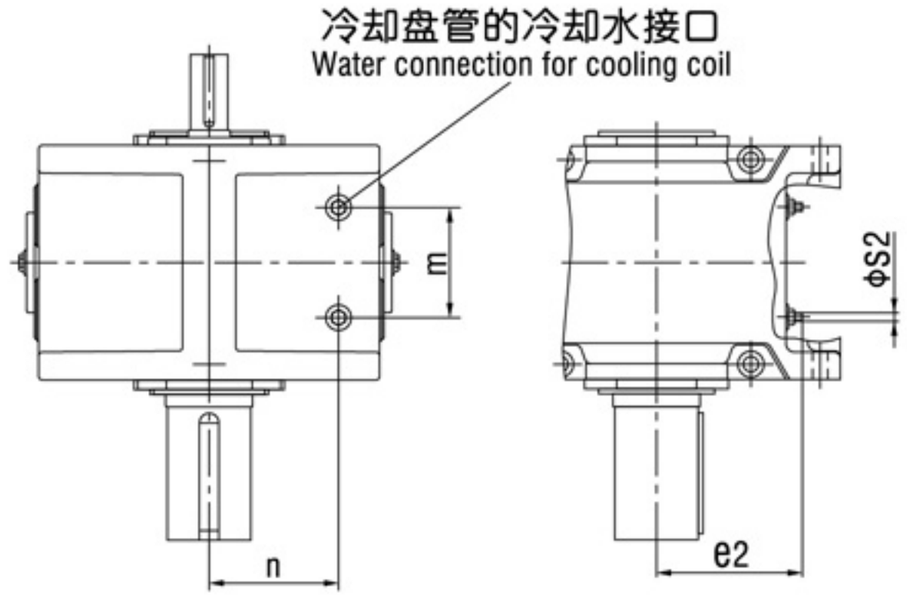
H2.V, H3.V, B2.V, B3.V

规格 Type: 4-12



H2.V, H3.V, B2.V, B3.V

规格 Type: 13-26



型号 Size	H2.V / B3.V					H3.V					B2.V				
	m	n	e2	s2	水量 Water quantity (1)	m	n	e2	s2	水量 Water quantity (1)	m	n	e2	s2	水量 Water quantity (1)
4	34	140	155	G 1/2	4	–	–	–	–	–	74	146	160	G 1/2	4
5	68	166	170	G 1/2	4	70	170	175	G 1/2	4	130	168	175	G 1/2	8
6	70	162	215	G 1/2	4	70	161	220	G 1/2	4	120	162	220	G 1/2	4
7	100	197	210	G 1/2	4	80	197	210	G 1/2	4	140	200	210	G 1/2	8
8	100	197	270	G 1/2	4	80	197	270	G 1/2	4	140	200	270	G 1/2	4
9	140	210	245	G 1/2	8	150	213	245	G 1/2	4	232	210	245	G 1/2	8
10	100	225	295	G 1/2	8	90	225	295	G 1/2	4	150	230	295	G 1/2	8
11	110	285	275	G 1/2	8	200	265	275	G 1/2	8	312	265	275	G 1/2	8
12	200	271	360	G 1/2	8	200	265	360	G 1/2	8	300	265	360	G 1/2	8
13	252	300	335	G 1/2	8	252	300	335	G 1/2	8	324	300	335	G 1/2	8
14	252	300	405	G 1/2	8	252	300	405	G 1/2	8	324	300	405	G 1/2	8
15	290	335	395	G 1/2	8	290	340	395	G 1/2	8	396	345	390	G 1/2	8
16	290	335	440	G 1/2	8	290	340	440	G 1/2	8	396	345	435	G 1/2	8
17	340	380	425	G 1/2	8	300	380	425	G 1/2	8	324	395	425	G 1/2	8
18	340	380	485	G 1/2	8	300	380	485	G 1/2	8	324	395	485	G 1/2	8
19–26	按客户要求供货　On request					按客户要求供货　On request					–				

类型 Type	型号 Size	冷却盘管适用于　Cooling coil for											
		浸油润滑 Dip lubrication				法兰泵强制润滑 Forced lubrication with flanged-on pump				电动泵强制润滑 Forced lubrication with motor pump			
		适用布置形式　For design				适用布置形式　For design				适用布置形式　For design			
		A	B	C	D	A	B	C	D	A	B	C	D
H2.V	4	√	√	√	√	–	–	–		按客户要求供货　On request			
	5 – 12	√	√	√	√	–	√	–	√				
	13 – 18	–	–	–	–	–	√	–	√				
H3.V	5 – 12	√	√	√	√	–	√	–	√				
	13 – 18	–	–	–	–	–	√	–	√				
B2.V	4	√	√	√	√	–	–	–	–				
	5 – 12	√	√	√	√	√	√	–	–				
	13 – 18	–	–	–	–	√	√	–	–				
B3.V	4	√	√	√	√	–	–	–	–				
	5 – 12	√	√	√	√	–	–	√	√				
	13 – 18	–	–	–	–	–	–	√	√				

注：冷却盘管适用于淡水、海水和半咸水。

Note: Cooling Coil suitable for fresh, sea and Brackish water.

润滑油供给方式可选方案（立式安装）

Gear Units Oil Supply for Vertical:

立式安装齿轮箱所用的各种润滑油供给方式见下表1

Oil supply variants for vertical gear units can be derived from table1.

表1 Table1

类别 Type	型号 Size	浸油润滑 Dip lubrication	法兰泵强制润滑 Forced lubrication, flanged-on pump	电动泵强制润滑 Forced lubrication, motor pump
H2.V	4	√	—	—
	5 ... 12	√	√	—
	13 ... 18	—	√	—
H3.V	5 ... 12	√	√	√
	13 ... 18	—	√	√
H4.V	7 ... 12	√	√	√
	13 ... 18	—	—	√
B2.V	4	√	—	—
	5 ... 12	√	√	√
	13 ... 18	—	√	√
B3.V	4	√	—	—
	5 ... 12	√	√	√
	13 ... 18	—	√	√
B4.V	5 ... 12	√	√	√
	13 ... 18	—	—	√

***推荐供油方式：**

型号6及以下各型：　浸油润滑
型号7及以上各型：　强制润滑

Preferred order:

Up to size 6: Dip Lubrication
From size 7 up: Forced Lubrication

注：对各种润滑油供给方式的说明：

Notes on the individual oil supply variants:

浸油润滑：

浸油润滑时，所有需要润滑的零部件均需浸在润滑油中。附带的补偿油箱用于存储涨溢的油液。

Dip lubrication:

In case of dip lubrication, all parts to be lubricated are lying in the oil. An oil compensating tank has been fitted for oil expansion. Criteria for selection.

强制润滑：

当采用强制时，所有未浸在润滑油液中的零部件均通过一个法兰联接油泵或单独的电动油泵进行飞溅润滑。

Forced lubrication:

In case of forced lubrication, all parts which are not lying in oil are splash lubricated by means of a flanged-on pump or by a separate motor pump.

当选用浸油润滑方式时，必须满足下列要求：

a）允许油温，参见表2；
b）最大输入转速n1，参见表3。

For the design with dip lubrication the following criteria have to be observed:

a) Permissible oil temperatures, see table 2
b) Maximum input speed n1, see table 3

表2 Table 2

40℃温度下的 ISO-VG 粘度 Viscosity ISO-VG at 40℃ $mm^2/s(cSt)$	浸油润滑允许极限温度 ℃ Permissible temperature limit in ℃ for dip lubrication	
	矿物油 Mineral oil	合成油 Synthetic oil
VG 220	- 15	- 25
VG 320	- 12	- 22
VG 460	- 9	- 25

若油温低于表中所列数值，则必须对润滑油进行加热。
当采用浸油润滑时，油温不得低于所用润滑油的倾点。

If the temperatures are below the values as listed in the table, the oil must be heated.
In case of dip lubrication, the oil temperature must not be below the pour point of the selected oil.



表3 Table3

Size	H2.V		H3.V		H4.V		B2.V		B3.V		B4.V	
	i_N	n_{1max}	i_N	n_{1max}	i_N	n_{1max}	i_N	n_{1max}	i_N	n_{1max}	i_N	n_{1max}
4	6.3–10 11.2–12.5 14–22.4	1200 1500 1800	—		—		5–5.6 6.3–7.1 8–9 10–11.2	750 900 1000 1200	12.5–71	1800	—	
5	6.3–9 10–12.5 14–16 18–22.4	1000 1200 1500 1800	25–90	1800	—		6.3–7.1 8–9 10–11.2	750 900 1000	12.5–71	1800	80–315	1800
6	8–11.2 12.5–16 18–20 22.4–28	1000 1200 1500 1800	31.5–112	1800	—		9 10–11.2 12.5–14	750 900 1000	16–90	1800	100–400	1800
7	6.3–7.1 8–9 10–11.2 12.5–18 18–22.4	750 900 1000 1200 1500	25–90	1800	100–355	1800	9–10 11.2	750 900	12.5–25 28–71	1500 1800	80–315	1800
8	8–9 10–11.2 12.5–14 16–20 22.4–28	750 900 1000 1200 1500	31.5–112	1800	125–450	1800	11.2–12.5 14	750 900	16–31.5 35.5–90	1500 1800	100–400	1800
9	6.3–7.1 8–10 11.2–22.4	1200 1500 1800	25–90	1800	100–355	1800	5–5.6 6.3–7.1 8–10 11.2	900 1000 1200 1500	12.5–71	1800	80–315	1800
10	8–9 10–12.5 14–28	1200 1500 1800	31.5–112	1800	125–450	1800	6.3–7.1 8–9 10–12.5 14	900 1000 1200 1500	16–90	1800	100–400	1800
11	6.3–7.1 8–10 11.2–12.5 14–22.4	1000 1200 1500 1800	25–90	1800	100–355	1800	5.6–6.3 7.1–8 9–10 11.2	750 900 1000 1200	12.5–22.4 25–71	1500 1800	80–315	1800
12	8–9 10–12.5 14–16 18–28	1000 1200 1500 1800	31.5–112	1800	125–450	1800	7.1–8 9–10 1.2–12.5 14	750 900 1000 1200	16–28 31.5–90	1500 1800	100–400	1800

注：n1和iN值不在表3所列范围内的齿轮箱必须采用强制润滑。

Note: Gear units with n1 and iN which are not listed in table 3 must be designed for forced lubrication.

当选用强制润滑方式时，允许油温见下表4：

Permissible temperature limit in ℃ for dip lubrication:

表4 Table 4

40℃温度下的 ISO-VG 粘度 Viscosity ISO-VG at 40℃ $mm^2/s(cSt)$	强制润滑允许极限温度 ℃ Permissible temperature limit in ℃ for dip lubrication			
	矿物油 Mineral oil		合成油 Synthetic oil	
	最低min.	最高max.	最低min.	最高max.
VG 220	10	80	0	90
VG 320	15	90	5	100
VG 460	20	95	10	105

强制润滑：
当采用强制润滑时，启动时的工作粘度不得超过1800cSt。
最低工作粘度不得小于25cSt。
当油温低于表4所列的数值时，必须提供浸油润滑方式，或者对润滑油进行加热。

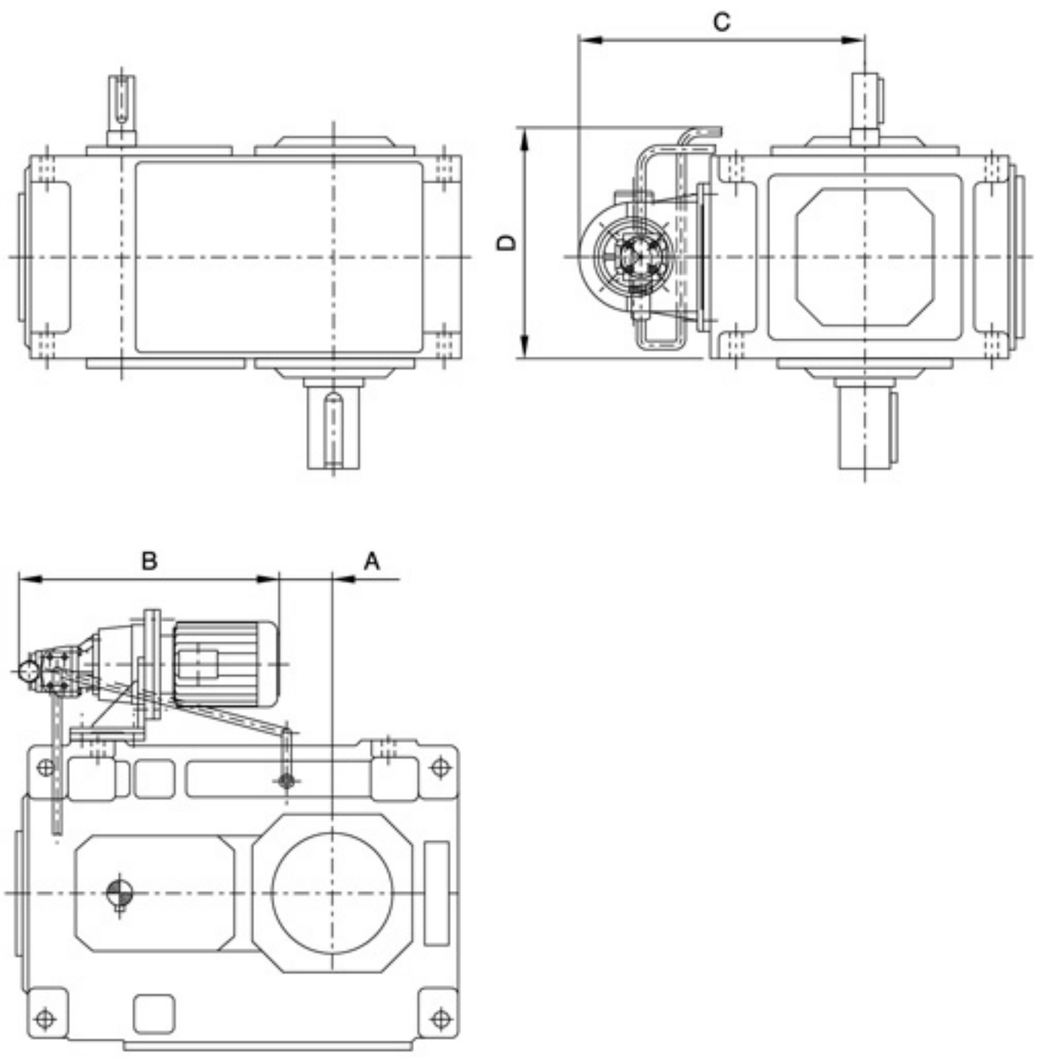
Forced lubrication:
In case of forced lubrication, the viscosity 1800 cSt must not be exceeded during starting.
A minimum operating viscosity of 25 cSt must be ensured.
If the temperatures are below the values as listed in table 4, dip lubrication has to be provided or the oil must be heated.

HB

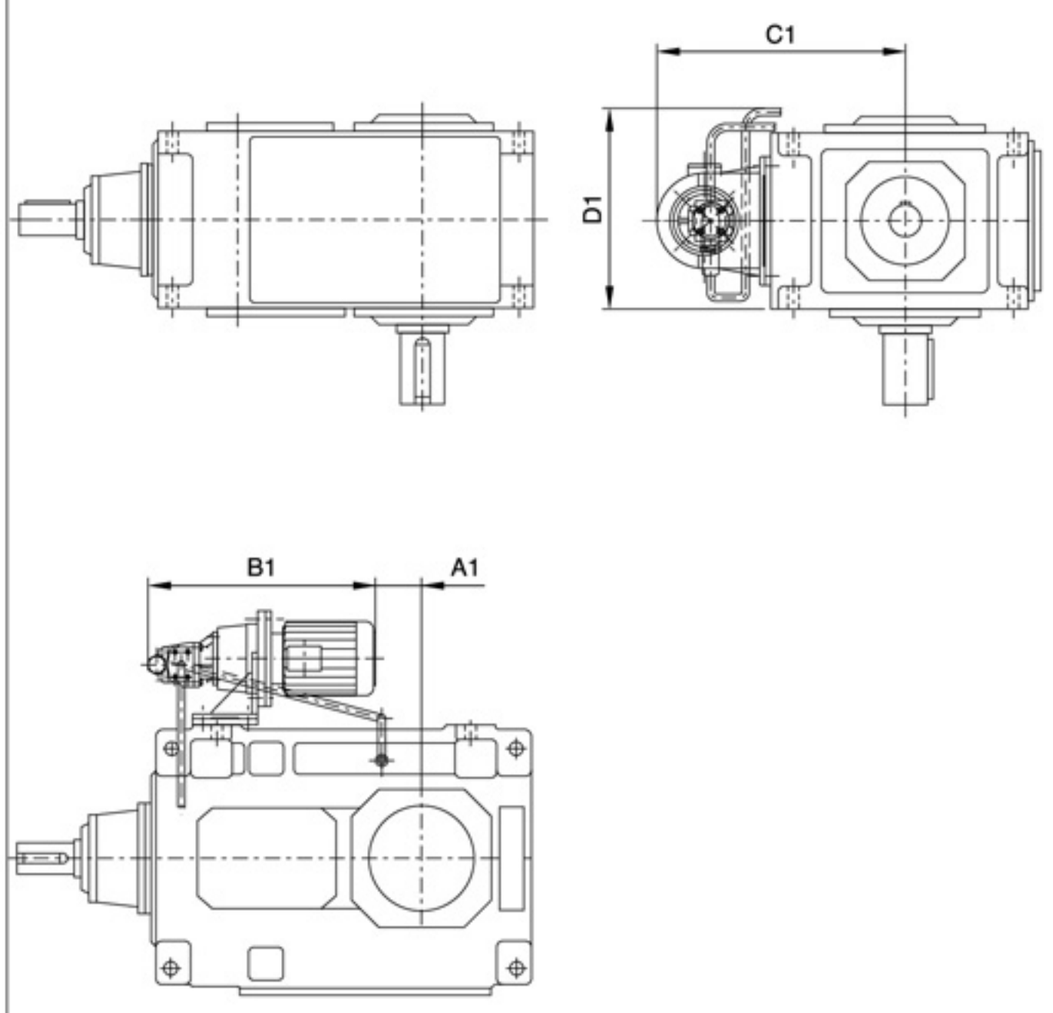
齿轮箱电动泵强制润滑方式（立式安装）：

Mounted Motor Pumps (Vertical):

H3.V , H4.V



B2.V , B3.V , B4.V

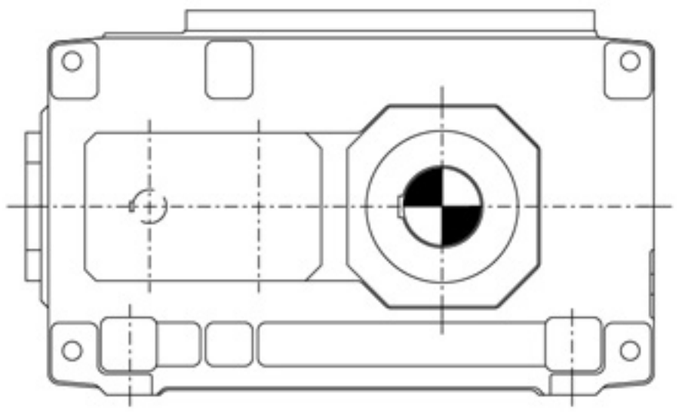


安装尺寸 Fitting dimensions							安装尺寸 Fitting dimensions						
Type	Size	Design	A	B	C	D	Type	Size	Design	A1	B1	C1	D1
H3.V	5 / 6	A / B / C / D	–30 / 5	560	480	385	B2.V	5 / 6	A / B / C / D	–160 / –125	480	470	415
	7 / 8	A / B / C / D	55 / 100	585	550	430		7 / 8	A / B / C / D	5 / 50	480	525	510
	9 / 10	A / B / C / D	140 / 190	610	565	500		9 / 10	A / B / C / D	60 / 110	480	565	570
	11 / 12	A / B / C / D	375 / 445	530	625	560		11 / 12	A / B / C / D	150 / 220	480	625	660
	13 / 14	A / C	155 / 225	880	670	700		13 / 14	A / B / C / D	–70 / 0	755	670	805
	13 / 14	B / D	100 / 170	935	670	700		15 / 16	A / B / C / D	15 / 60	780	710	910
	15 / 16	A / C	275 / 320	965	710	770		17 / 18	A / B / C / D	–5 / 55	890	775	1025
	15 / 16	B / D	220 / 265	1020	710	770	B3.V	5 / 6	A / B / C / D	–85 / –50	480	480	365
	17 / 18	A / C	250 / 310	1040	770	835		7 / 8	A / B / C / D	–5 / 40	480	550	430
	17 / 18	B / D	195 / 255	1095	770	835		9 / 10	A / B / C / D	65 / 115	480	565	500
H4.V	7 / 8	A / C	55 / 100	600	550	430		11 / 12	A / B / C / D	280 / 350	480	625	560
	7 / 8	B / D	0 / 45	680	550	430		13 / 14	A / B / C / D	35 / 105	810	670	700
	9 / 10	A / C	140 / 190	625	565	500		15 / 16	A / B / C / D	120 / 165	875	710	775
	9 / 10	B / D	85 / 135	705	565	500		17 / 18	A / B / C / D	165 / 225	970	775	835
	11 / 12	A / C	375 / 445	550	625	560	B4.V	5 / 6	A / B / C / D	–35 / 0	480	480	385
	11 / 12	B / D	320 / 390	635	625	560		7 / 8	A / B / C / D	55 / 100	480	550	430
	13 / 14	A / B / C / D	135 / 205	910	670	700		9 / 10	A / B / C / D	140 / 190	615	565	500
	15 / 16	A / B / C / D	255 / 300	1000	710	775		11 / 12	A / B / C / D	375 / 445	530	625	560
	17 / 18	A / B / C / D	230 / 290	1070	775	835		13 / 14	A / B / C / D	135 / 205	905	670	700
								15 / 16	A / B / C / D	255 / 300	990	710	775
								17 / 18	A / B / C / D	230 / 290	1065	775	835

HB系列产品组合及行业专用：

HB series combination and special design:

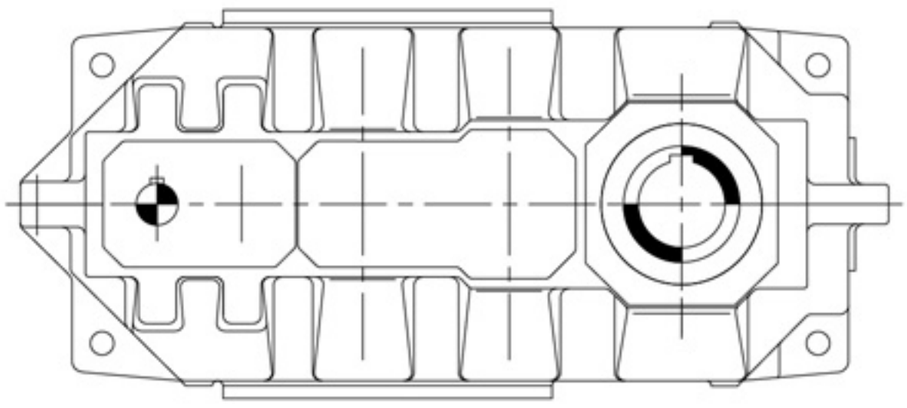
H系列斜齿齿轮箱
B系列螺旋锥齿轮-斜齿齿轮箱
Helical gear units and bevel-helical gear units



输出扭矩 Output torque: 0.62 ... 900 kNm
速比 Ratio: 1.25 ... 450
级数 Number of stages 1, 2, 3 or 4

1

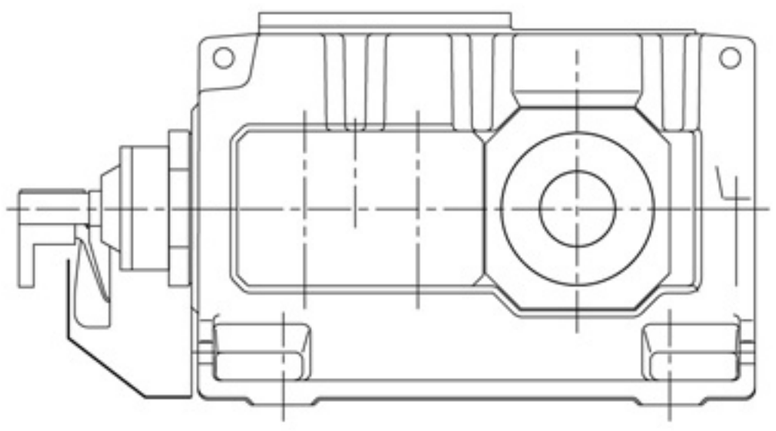
H系列斜齿加长中心距齿轮箱
Helical gear units with extended total centre distance



输出据矩 Output torque: 11 ... 109 kNm
速比 Ratio: 14 ... 250
级数 No. of stages 3 or 4

2

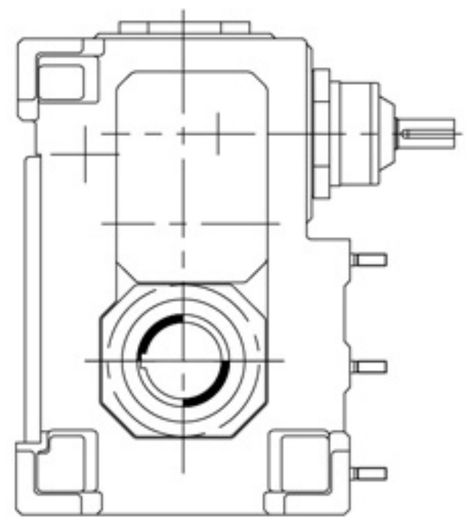
带式输送机　Belt conveyor drives
B系列锥齿-斜齿齿轮箱　Bevel-helical gear units



输出扭矩 Output torque: 1.03 ... 900 kNm
速比 Ratio: 5 ... 90
级数 Number of stages 2 or 3

3

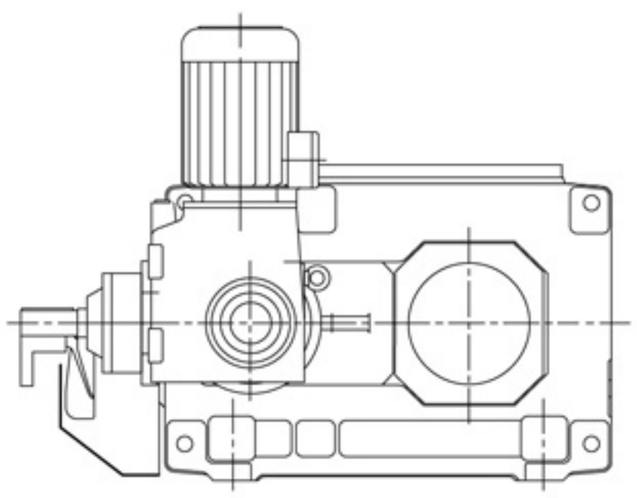
行走驱动用齿轮箱　Travelling gear drives
B系列锥齿-斜齿齿轮箱　Bevel-helical gear units



输出扭矩 Output torque: 3.6 ... 75 kNm
速比 Ratio: 12.5 ... 400
级数 Number of stages 3 or 4

4

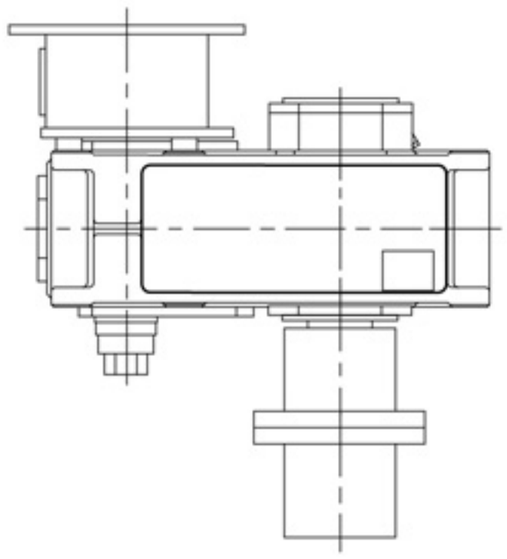
提升机　Bucket Elevator drives
带辅助驱动的B系列锥齿-斜齿齿轮箱　Bevel-helical gear units with auxiliary drive



输出扭矩 Output torque: 5.5 ... 470 kNm
速比 Ratio: 12.5 ... 90
级数 Number of stages 3

5

水轮机驱动齿轮箱　Water turbine drives
H系列斜齿齿轮箱
B系列螺旋锥齿轮-斜齿齿轮箱　Helical gear units and bevel-helical gear units



输出扭矩 Output torque: 8.5 ... 195 kNm
速比 Ratio: 5 ... 28
级数 Number of stages 2

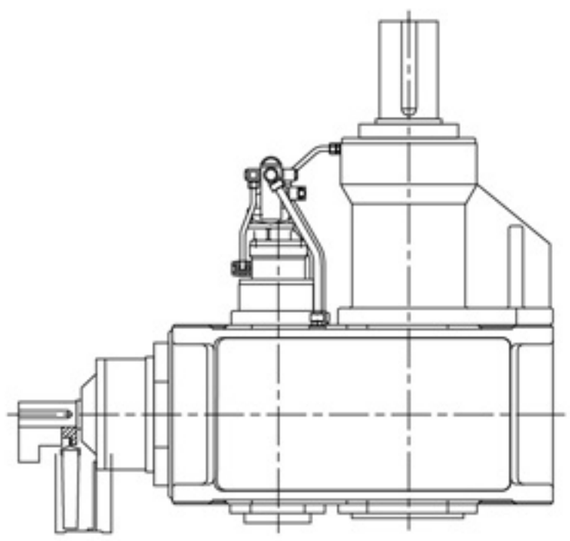
6

HB

HB

冷却塔驱动齿轮箱 Cooling tower drives

H系列斜齿齿轮箱和B系列螺旋锥齿轮-斜齿齿轮箱
Helical gear units and bevel-helical gear units

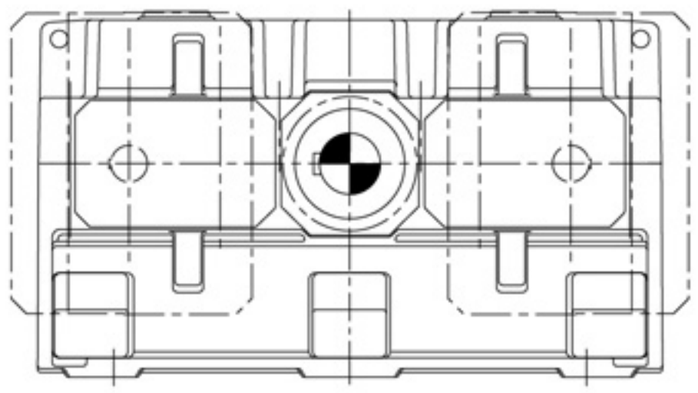


输出扭矩 Output torque: 3 ... 97.5 kNm
速比 Ratio: 5 ... 28
级数 Number of stages 2

7

造纸机械驱动齿轮箱 Paper machine drives

H系列斜齿齿轮箱和B系列螺旋锥齿轮-斜齿齿轮箱
Helical gear units bevel–helical gear units

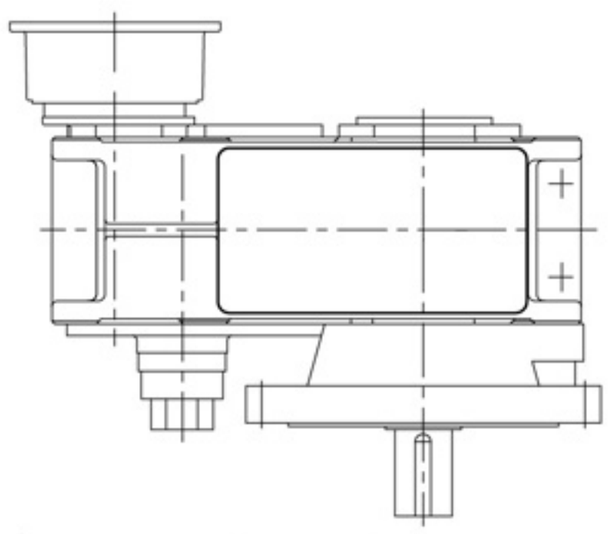


输出扭矩 Output torque: 0.62 ... 820 kNm
速比 Ratio: 1.25 ... 22.4
级数 Number of stages 1, 2 or 3

8

搅拌机驱动用齿轮箱 Agitator Drives

H系列斜齿齿轮箱 Helical gear units

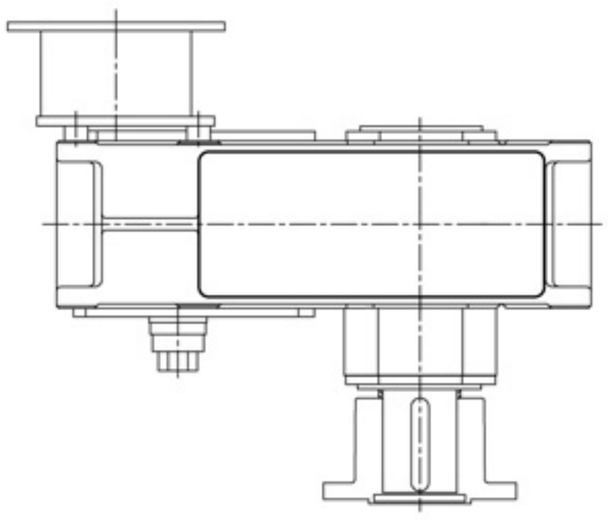


输出扭矩 Output torque: 10.2 ... 240 kNm
速比 Ratio: 6.3 ... 450
级数 Number of stages 2, 3 or 4

9

曝气机用驱动齿轮箱 Aerator drives

H系列斜齿齿轮箱和B系列螺旋锥齿轮–斜齿齿轮箱
Helical gear units and bevel-helical gear units

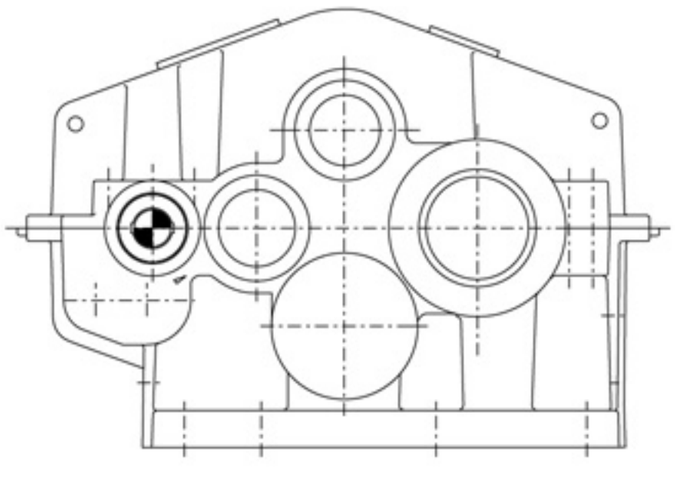


输出扭矩 Output torque: 9.4 ... 173 kNm
速比 Ratio: 6.3 ... 112
级数 Number of stages 2 or 3

10

分流式齿轮箱 Load sharing

H系列斜齿齿轮箱 Helical gear units

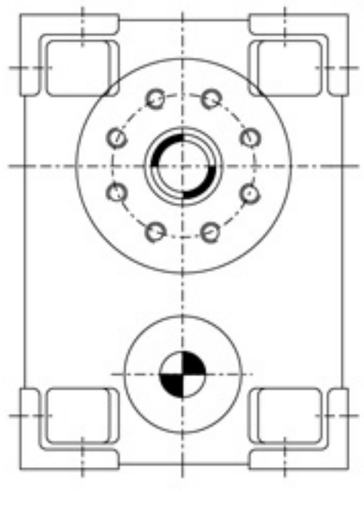


输出扭矩 Output torque: 550 ... 4800 kNm
速比 Ratio: 18 ... 900
级数 Number of stages 3, 4 or 5

11

挤压机用驱动齿轮箱 Extruders drives

H系列斜齿齿轮箱 Helical gear units



输出扭矩 Output torque: 0.3 ... 2300 kNm
速比 Ratio: 3 ... > 500
级数 Number of stages 2,3 or 4

12

详细资料请来电咨询。 Please consult us for detailed materialls.

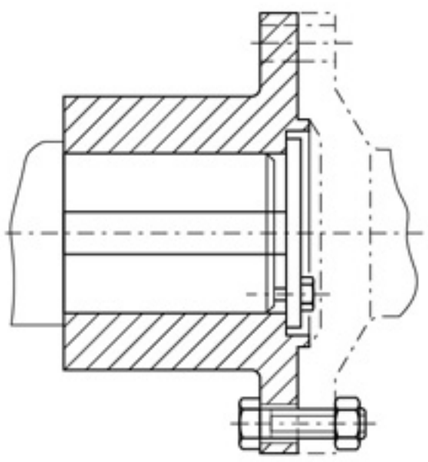
附1 行走机构

Travelling Gear Drives

根据需要的附加变型产品资料

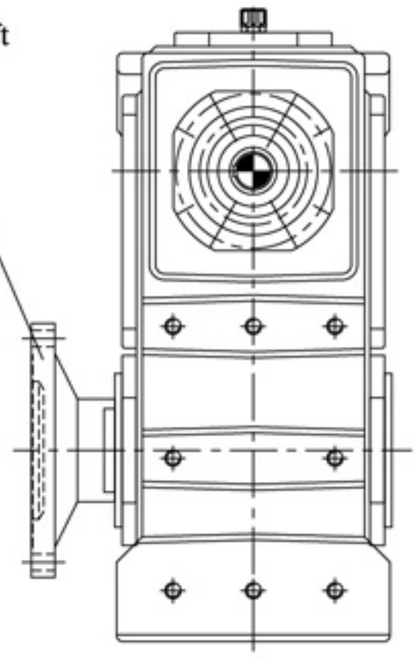
Additional Variants Information on Request

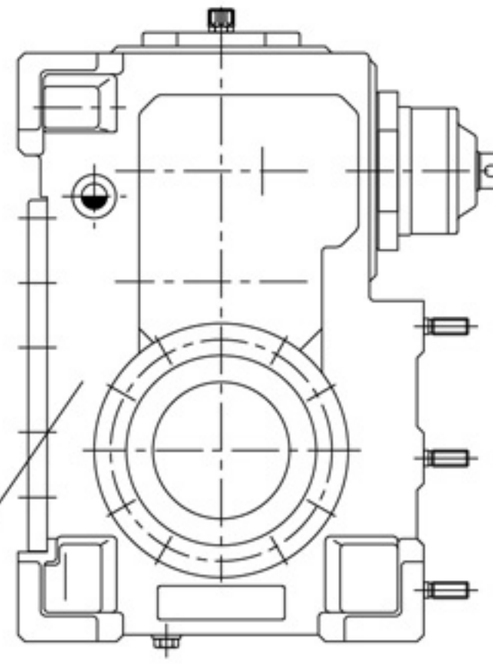
法兰轴输出
Flanged output shaft



联接法兰
Counter flange for flanged shaft

法兰轴
Flanged shaft





齿轮箱
Bevel-helical gear units.

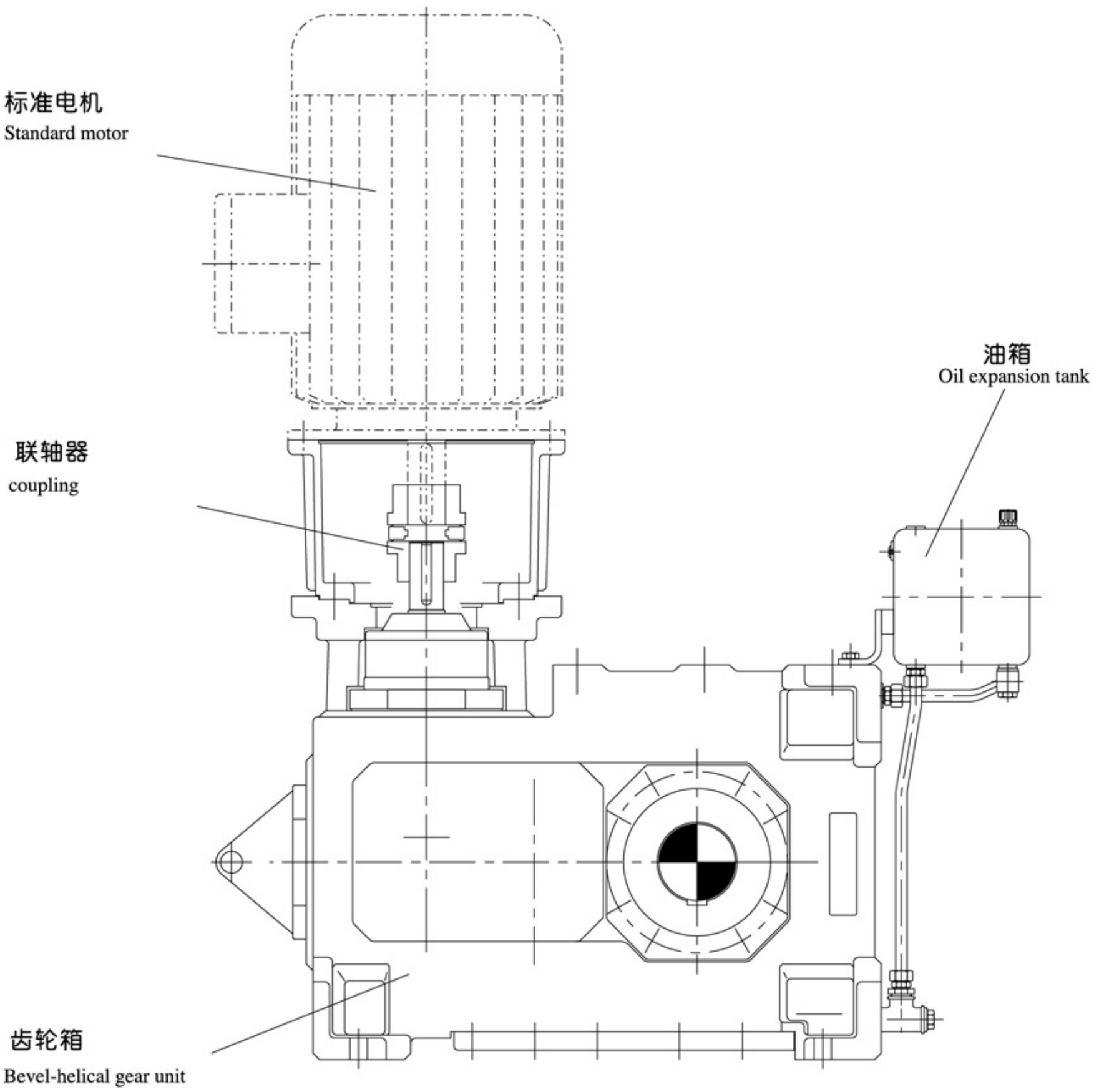
电机法兰联接
Motor mounting flanges for standard motors

标准电机
Standard motor

联轴器
coupling

油箱
Oil expansion tank

齿轮箱
Bevel-helical gear unit



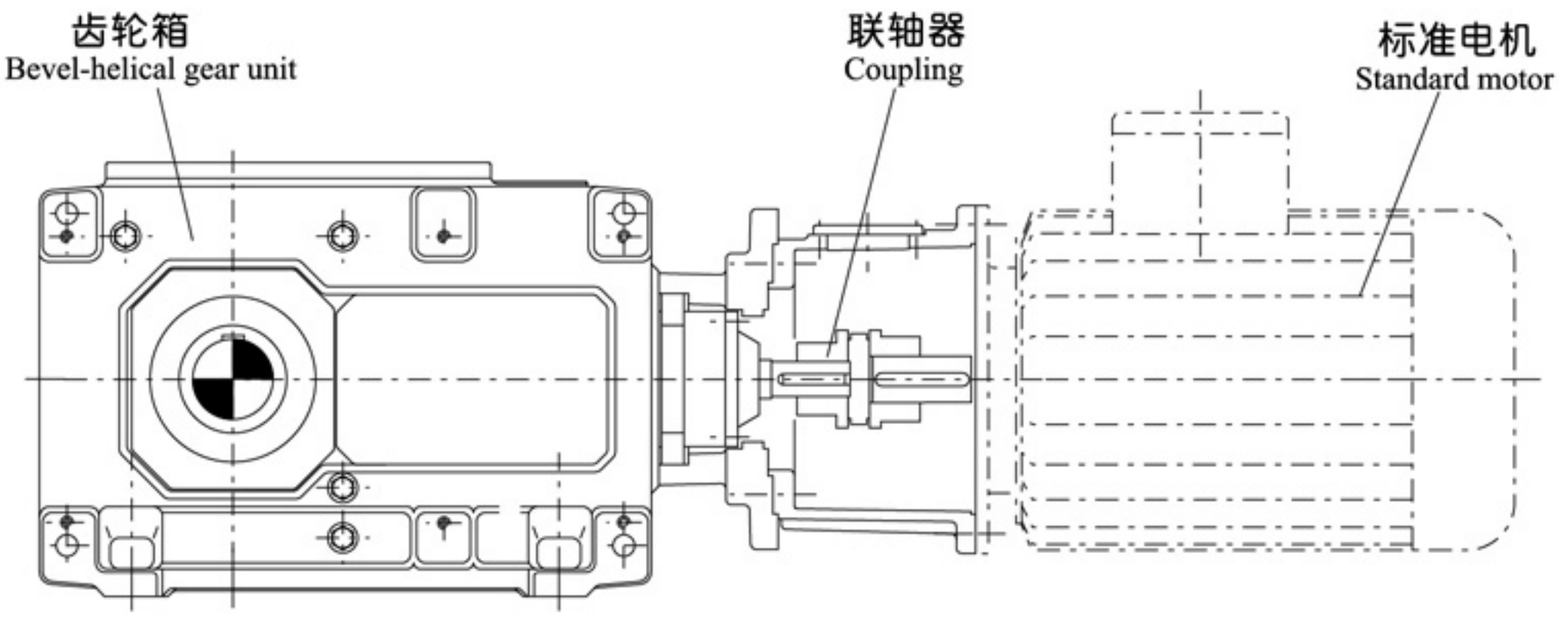
附2 输送机

Conveyor drives

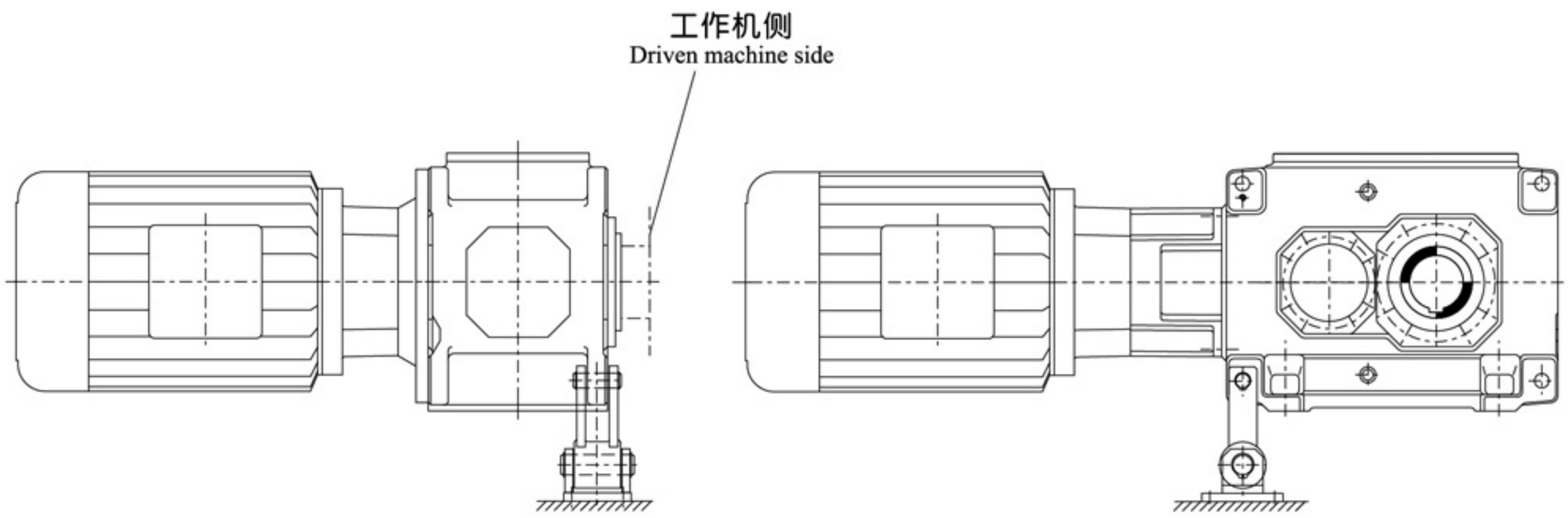
根据需要的附加变型产品资料

Additional Variants Information on Request

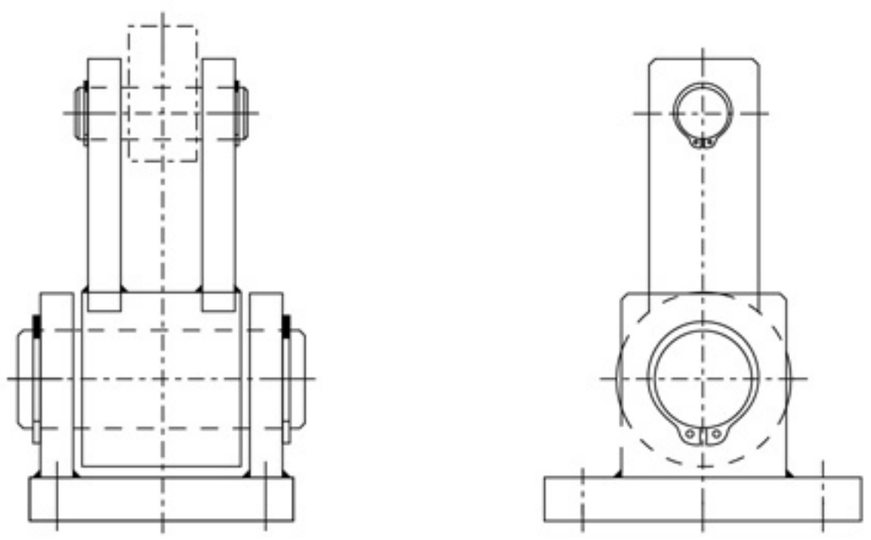
钟形罩式法兰联接
Motor bell housings for standard motors



扭力臂式安装
Torque supports for gear housings



扭力臂应在靠工作机一侧，如果减速箱带有风扇，扭力臂就安装在电扇另侧。
Torque support on driven machine side. If the gear unit has a fan, the torque support has to be located opposite the fan.



扭力臂
Torque supports

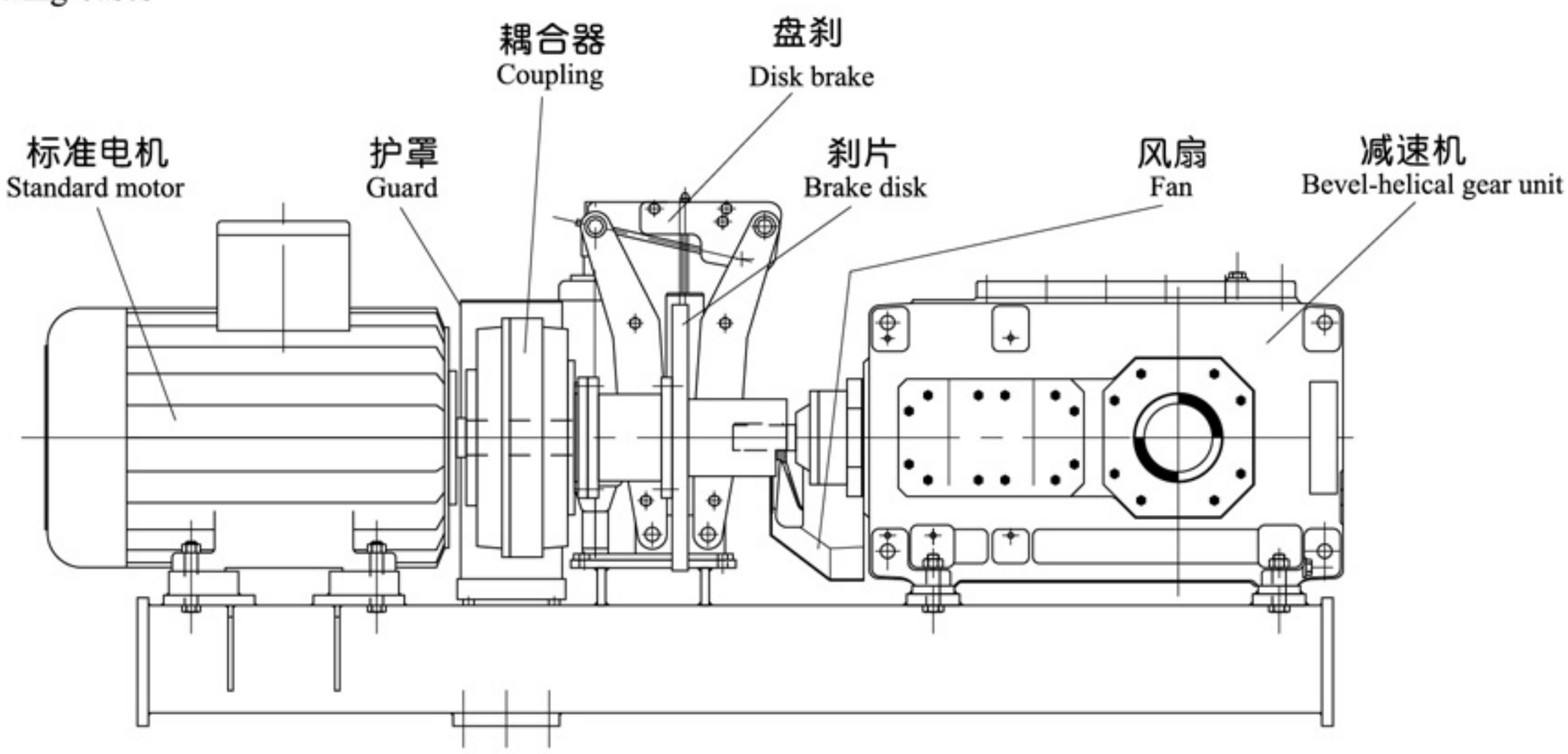
附3　输送机

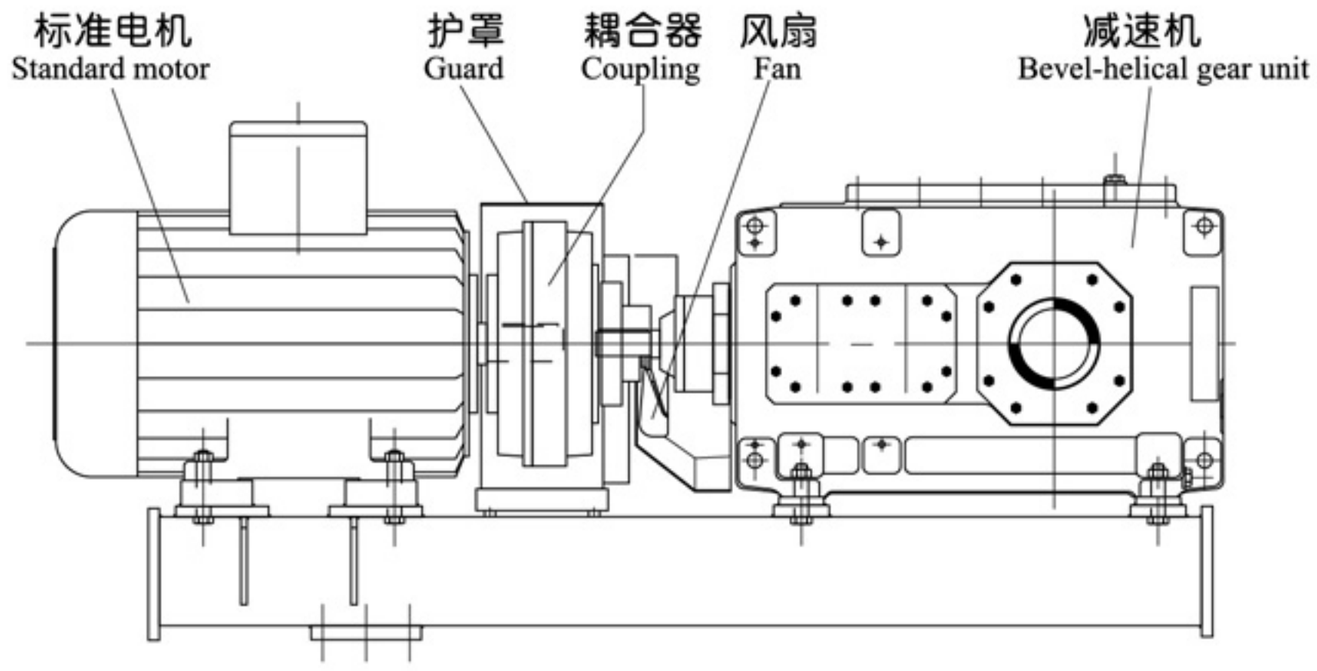
Conveyor drives

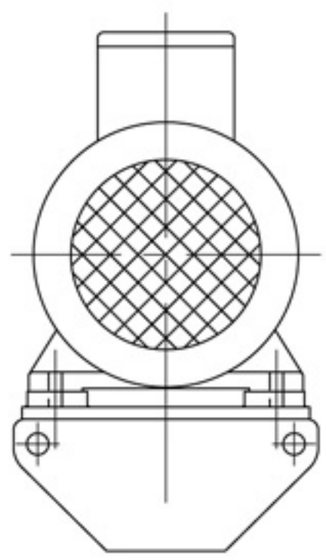
根据需要的附加变型产品资料

Additional Variants Information on Request

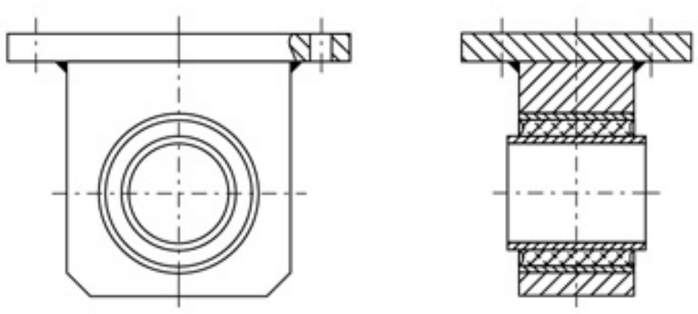
带齿轮箱摆动底座
Gear unit swing-bases



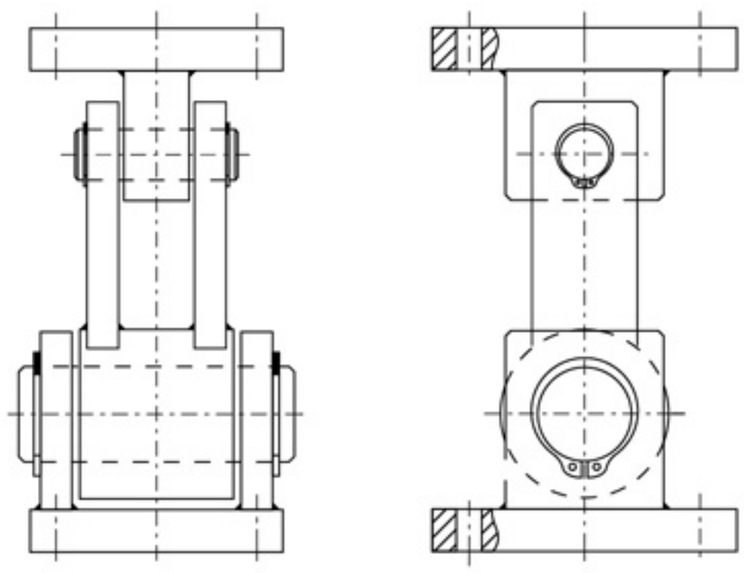




齿轮箱摇摆支点支座
Supports for gear unit swing-bases



活动支座
Flexible pedestal



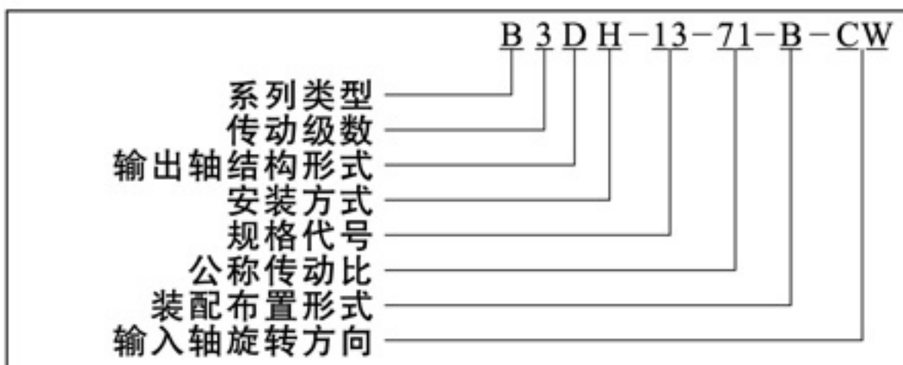
力臂支架
Torque supports

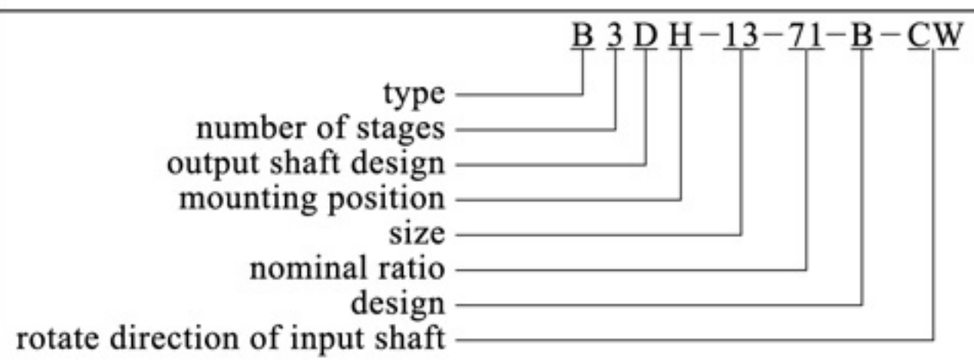
型号表示 主减速机型号/辅传减速电机型号 1)

Designation of Types Main gear unit type/Auxiliary gear motor type 1)

例Example: B3DH13-71-B-CW/KF107-Y18.5-28.59

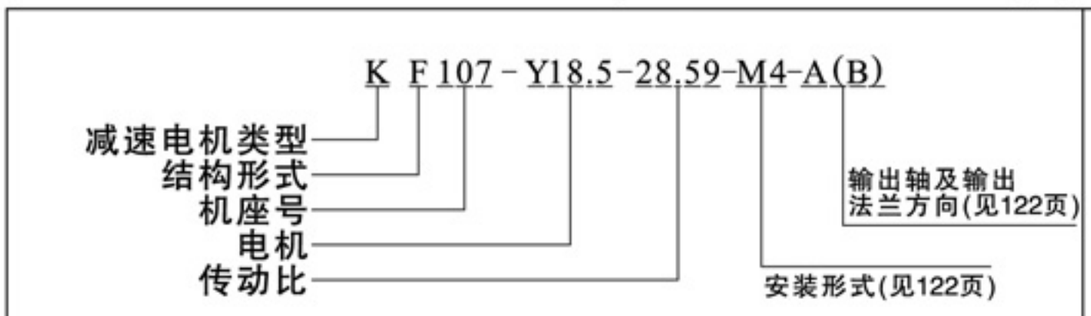
主减速机型号说明 Explanation of main gear unit type

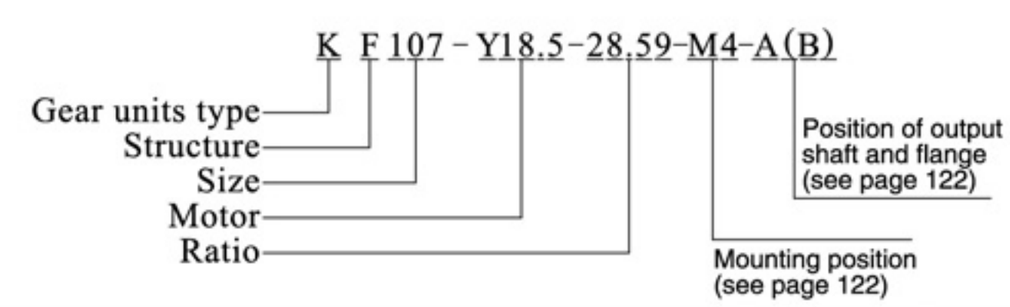




型号说明	上例说明	Explanation of types	Explanation of the above example
系列类型：B 直交轴系列	直交轴系列	Types: B Bevel-helical	Bevel-helical
传动级数：3 三级	三级传动	Numben of stages: 3 3-stage	3-stage
输出轴结构形式： S 实心轴 H 空心轴 D 带胀紧盘空心轴	带胀紧盘 空心轴输出	Output shaft design: S Solid shaft H Hollow shaft D Hollow shaft for shrink disk	Hollow shaft for shrink disk output
安装方式：H 卧式带底脚	卧式带底脚安装	Mouting positions: H Horizontal	Horizontal
规格代号：4~18	13机座号	Size: sizes 4~18	size 13
公称传动比：公称传动比i_N (见选型参数表)	公称传动比i_N=71	Nominal ratio: Nominal ratio iN (see selection table)	Nominal ratio i_N=71
装配布置形式：B、D (见249页)	装配布置形式为B	Design for assemble: B, D (see page 249)	Design B
输入轴旋转方向 (面向输入轴方向看)： CW 顺时针 CCW 逆时针	输入轴为 顺时针方向	Direction of rotation of input shaft: (viewing on input shaft) CW Clockwse, CCW Counter clockwise.	Direction of rotation of input shaft is clockwise

辅传减速电机型号说明2) Explanation of anxiliary gear motor type 2)





型号说明	上例说明	Explanation of types	Explanation of the above example
减速电机类型：螺旋锥齿轮减速电机	螺旋锥齿轮减速电机	Gear units type: Helical-bevel gear motor	Helical-bevel gear motor
结构形式：F轴伸法兰式	轴伸法兰式	Structure: F Flange mounted solid output shaft	Flange-mounted solid shaft output
机座号：37...167	107机座号	Size: 37...167	Size 107
电机：电机功率	18.5kW普通电机	Motor: motor power	18.5kW Ordinary motor
传动比：见236页	传动比：28.59	Ratio: see page 236	Ratio: 28.59

注：1)使用国产及国外逆止器、超越离合器时，尺寸略有不同（见241~248页减速机外形尺寸），请特别说明。
2)主减速机规格确定后，依据辅传驱动为空载和载荷不同工作情况，辅传减速电机型号基本确定，见236页。

Note: 1) Please specially designate whether domestic or imported backstop and overrunning clutch are used, as the domensions are slightly different (see page 241~248 gear units monuting dimensions for detail).
2) Auxiliary gear motor type is basically determined depend on the auxiliary drive working under maintenance or under load condition after main gear unit has been selacted (see page 236).



注意事项

务必遵循以下原则：

样本中的附图只属范例，并不要求严格一致。
所有尺寸可能改进。

所注重量仅为平均值，不要求严格一致。

为防止发生事故，所有旋转部件应按安全规定加罩防护。

试车前，必须认真阅读操作说明。主减速机出厂时未加注润滑油。因此应按规定加注润滑油。

给出的加油量只作为参考值，实际油量应以油尺上的标记为准。

通常，辅传减速电机在出厂前已加注润滑油。

采用国产逆止器、超越离合器时，需给逆止器和联接法兰之内的超越离合器加注润滑脂（2号锂基润滑脂可满足要求），并定期更换。
采用国外逆止器、超越离合器时，需向联接法兰内加注润滑油（采用与主减速机同样规格润滑油）以润滑超越离合器，油位以略低于连接法兰视孔即可。

有关外形尺寸图中的符号说明如下：



= 油 尺



=通 气 孔



=加 油 孔



=放 油 孔

基础螺栓的性能等级为8.8级。

Attention

Following items are absolutely to be observed:

Illustrations are examples only and are not strictly bonding. Dimensions are subject to change.

The weights are mean values and not strictly binding.

To prevent accidents, all rotating parts should be guarded according to local and national safety regulations.

Prior to commissioning, the operating instructions must be observed. The gear units are delivered ready for operation but without oil filling. So specified oil should be filled.

Oil quantities given are guide values only. The exact quantity of oil depends on the marks on the dipstick.

Normally, auxiliary gear motors are filled with lubricant at the factory before dispatch.

If domestic backstop and overrunning clutch are used, please lubricate them with grease (No. 2lithium grease can meet requirement), and change periodically.
If imported backstop and overrunning clutch are used, please fill lubrication into the connecting flange to lubricate the overrunning clutch, as the backstop is lubricated with splash oil.

Explanations of symbols used in the dimensioned drawings:



= Oil dipstick



= Breather



= Oil filler



= Oil–out drain

Foundation bolts of min. property class 8.8.

B

B

选型指南

1. 确定减速机规格
1.1 计算传动比

$$i_s = \frac{n_1}{n_2}$$

1.2 确定减速机的额定功率，应满足(原动机为电机，每小时启动次数≤5次)

$$P_N \geq P_2 \times f_1 \times f_3$$

1.3 校核最大转矩，如峰值工作转矩，启动扭矩或制动扭矩，应满足（单向载荷，每小时峰值负荷次数≤5次）

$$P_N \geq \frac{T_A \times n_1}{9550} \times 0.5$$

根据i_N和P_N在额定功率表中确定减速机规格。

1.4 检查实际传动比i是否满足要求，实际传动比i见226页。

2. 确定润滑方式
减速机采用浸油飞溅润滑。
可按客户要求提供强制润滑。

3. 确定热功率P_G
3.1 减速机不带辅助冷却装置，应满足

$$P_2 \leq P_G = P_{G1} \times f_6 \times f_7$$

3.2 减速机带冷却风扇装置时，应满足

$$P_2 \leq P_G = P_{G2} \times f_6 \times f_7$$

3.3 更高的热功率，可按要求提供外部油冷却器冷却。

Guidelines for the Selection

1. Determination of gear unit type and size
1.1 Find the transmission ratio

$$i_s = \frac{n_1}{n_2}$$

1.2 Determine nominal power rating of the gear unit (drivn by electric motor, and start less than five times per hour)

$$P_N \geq P_2 \times f_1 \times f_3$$

1.3 Check for maximum torque, e.g. peak operating-, starting-or braking torque (unilateral loading, and endure peak load less than five times per hour)

$$P_N \geq \frac{T_A \times n_1}{9550} \times 0.5$$

Gear unit sizes are given in rating tables depending on i_N and P_N.

1.4 Check whether the actual ratio i as per tables on page 226 is acceptable.

2. Determination of oil supply
All parts to be lubricated are lying in the oil or are splash lubricated. Forced lubrication on request.

3. Determination of required thermal capacity P_G
3.1 Gear unit without auxiliary cooling sufficient, if

$$P_2 \leq P_G = P_{G1} \times f_6 \times f_7$$

3.2 Gear unit with fan sufficient, if

$$P_2 \leq P_G = P_{G2} \times f_6 \times f_7$$

3.3 For higher thermal capacities, cooling by external oil cooler on request.



符号表

E_D = 每小时工作周期，以%表示，例如 E_D=80%

f_1 = 工作机系数（表1），见235页

f_3 = 减速机安全系数（表3），见235页

f_6 = 环境温度系数（表6），见235页

f_7 = 海拔高度系数（表7），见235页

i = 实际传动比

i_N = 额定传动比

i_S = 要求传动比

n_1 = 输入转速（min^{-1}）

n_2 = 输出转速（min^{-1}）

n_3 = 辅传驱动（50Hz; n_1=1500min^{-1}）输入时的主减速机（B3）输出轴上的输出转速（min^{-1}）

P_G = 需要的热功率

P_{G1} = 无辅助冷却装置时的热功率，见238~240页

P_{G2} = 带冷却风扇装置时的热功率，见238~240页

P_N = 减速机的额定功率（kW），见选型表237页

P_2 = 工作机的额定功率（kW）

t = 环境温度（℃）

T_A = 输入轴最大扭矩，例如峰值工作扭矩，起动扭矩或制动扭矩（Nm）

T_{2N} = 额定输出扭矩（kNm），见177页

T_3 = 辅传驱动输入时的主减速机（B3）输出轴上有输出转矩（kNm），见236页

Key to Symbols

E_D = Operation cycle per hour in %, e.g. E_D=80%

f_1 = Factor for driven machine (table 1), page 235

f_3 = Safety factor (table 3), page 235

f_6 = Factor for ambient temperature (table 6), page 235

f_7 = Factor for ambient (table 7), page 235

i = Actual ratio

i_N = Nominal ratio

i_S = Required ratio

n_1 = Input speed (min^{-1})

n_2 = Output speed (min^{-1})

n_3 = Output speed (min^{-1}) on main gear unit ourput shaft (B3), in case of input via anxiliary drive (50Hz; n_1 = 1500min^{-1})

P_G = Required thermal capacity

P_{G1} = Thermal capacity for gear units without auxiliary cooling, page 238~240

P_{G2} = Thermal capacity for gear units with fan cooling, page 238~240

P_N = Nominal power tating of gear unit (kW), see rating table at page 237

P_2 = Power rating of driven machine (kW)

t = Ambient temperature (℃)

T_A = Max. torque occurring on input shaft, e.g. peak operating-, starting- or braking torque (Nm)

T_{2N} = Nominal output torque (kNm), page 177

T_3 = Output torque (kNm) on main gear unit output shaft (B3), in case of input via auxiliary drive, page 236

B

B

计算实例

已知条件：
原动机
电动机：P_1=75kW
电机转速：n_1=1500min^{-1}
最大起动扭矩：T_A=720Nm

工作机
斗式提升机：P_2=62kW
转速：n_2=26min^{-1}
日工作小时数：12小时/天
每小时起动次数：7
辅传驱动：载荷驱动

每小时工作周期：E_D=100%
环境温度：30℃
室外安装：风速≥4m/s
海拔高度：海平面

减速机类型
直交轴减速机
安装方式：水平安装
输出轴：右面

输出轴的旋转方向：CCW

要求：
选择减速机类型和规格

1.选择减速机类型和规格
1.1确定传动比

$$i_s=\frac{n_1}{n_2}=\frac{1500}{26}=57.7 \qquad i_N=56$$

1.2确定减速机额定功率

$$P_N \geq P_2 \times f_1 \times f_3 = 62 \times 1.5 \times 1.25 = 116.25kW$$

从功率表中选择：类型B3，规格10，额定功率P_N=122kW
带辅传驱动KF87-Y5.5-36.52，
n_3=2.0min^{-1}及T_3=25.1kNm。

1.3校核起动扭矩

$$P_N \geq \frac{T_A \times n_1}{9550} \times 0.5 = \frac{720 \times 1500}{9550} \times 0.5 = 56.6kW$$

P_N=122kW>56.6kW

2.确定热功率
2.1按B3不带冷却装置时热功率计算：

$$P_G = P_{G1} \times f_6 \times f_7 = 72 \times 0.88 \times 1.0 = 63.36kW$$

P_2=62kW<P_G=63.36kW

可选用不带冷却装置的减速机。

Calculation Example

Known criteria:
PRIME MOVER
Electric motor: P_1=75kW
Motor speed: n_1=1500min^{-1}
Max. starting torque: T_A=720Nm

DRIVEN MACHINE
Bucket elevator: P_2=62kW
Speed: n_2=26min^{-1}
Daily service hours: 12h/day
Starts per hour: 7
Auxiliary drive: operation under load
Operating cycle per hour: E_D=100%
Ambient temperature:30℃
Outdoor installation: wind velocity≥4m/s
Altitude: sea level

GEAR UNIT DESIGN
Bevel-helican gear unit
Mounting position: horizontal
Output shaft: right hand side

Rotate direction of of output shaft: CCW

Required
Type and size of gear unit

1. Selection of gear unit type and size
1.1 Calculation of transmission ratio

$$i_s=\frac{n_1}{n_2}=\frac{1500}{26}=57.7 \qquad i_N=56$$

1.2 Determination of the gear unit nominal power rating

$$P_N \geq P_2 \times f_1 \times f_3 = 62 \times 1.5 \times 1.25 = 116.25kW$$

Selected from power rating table: type B3, gear unit size 10, with P_N=122kW
With auxiliary drive KF87-Y5.5-36.52,
n_3=2.0min^{-1} and T_3=25.1kNm.
1.3Checking the starting torque

$$P_N \geq \frac{T_A \times n_1}{9550} \times 0.5 = \frac{720 \times 1500}{9550} \times 0.5 = 56.6kW$$

P_N=122kW>56.6kW

2.Determination of thermal capacity
2.1Thermal capacity for gear units without auxiliary cooling, acc. to table for type B3

$$P_G = P_{G1} \times f_6 \times f_7 = 72 \times 0.88 \times 1.0 = 63.36kW$$

P_2=62kW<P_G=63.36kW

A GEAR UNIT WITHOUT AUXILIARY COOLING IS SUFFICIENT!

服务系数　　Service Factors

表1 工作机系数 f_1
Table 1 Factor for driven machine f_1

工作机 Driven machines	日工作小时数 Effeetive daily operating period under load in hours			工作机 Driven machines	日工作小时数 Effeetive daily operating period under load in hours		
	≤0.5	0.5~10	>10		≤0.5	0.5~10	>10
输送机** Conveyors**				货用电梯* Goods lifts*	-	1.2	1.5
斗式输出机 Bucket conveyors	-	1.4	1.5	客用电梯* Passenger lifts*	-	1.5	1.8
升降卷扬机 Hauling winches	1.4	1.6	1.6	刮板式输送机 Apron converors	-	1.2	1.5
提升机 Hoists	-	1.5	1.8	自动扶梯 Escalators	1.0	1.2	1.4
提式输送机≤150kW Belt conveyors≤150kW	1.0	1.2	1.3	轨道车辆 Railway Vehicles	-	1.5	-
带式输送机>150kW Belt conveyors >150kW	1.1	1.3	1.4				

注：*) 按最大扭矩确定额定功率；
　　**) 检验热功率是绝对有必要的。

Note:*) Designed power corresponding to max. torque;
　　**) A check for thermal capacity is absolutely essential.

B

表3 减速器安全系数 f_3　　Table 3 Safety factor f_3

重要性与安全要求	一般设备，减速器失效仅引起单机停产且易更换备件	重要设备，减速器失效引起起机组、生产线或全厂停产	高度安全要求，减速器失效引起设备、人身事故
Importance and safety request	Ordinary equipment, malfunction only causeaccident of single - machine andeasily replaced.	Important equipment, malfunction cause theaccident of assemblingunit, production-line or whole factory.	Safety request highly, malfunction cause the accident of equipment and personal injury.
f_3	1.25-1.5	1.5-1.75	1.75-2.0

表6 环境温度系数 f_6　　Table 6 Thermal factor f_6

不带辅助冷却装置或仅带冷却风扇
Without auxiliary cooling or with fan cooling

环境温度 Ambient temperature	每小时工作周期（ED）百分比% Operating cycle per hour(ED)in%				
	100	80	60	40	20
10℃	1.11	1.31	1.60	2.14	3.64
20℃	1.00	1.18	1.44	1.93	3.28
30℃	0.88	1.04	1.27	1.70	2.89
40℃	0.75	0.89	1.08	1.45	2.46
50℃	0.63	0.74	0.91	1.22	2.07

表7 海拔高度系数 f_7　　Table 7 Factor for altitude f_7

不带辅助冷却装置或仅带冷却风扇
Without auxiliary cooling or with fan cooling

系数 Factor	海拔高度（m） Altitude(meters)				
	高达Up to 1000	高达Up to 2000	高达Up to 3000	高达Up to 4000	高达Up to 5000
f_7	1.0	0.95	0.90	0.85	0.80

辅传驱动

类型B3...

规格4...18

依据不同的使用要求，每种规格的减速机有两种辅传驱动型式：

1）空载驱动

斗式提升机空载(空斗)时，辅传减速机驱动斗式提升机以较低转速同向转动。

2）载荷驱动

斗式提升机满载(满斗)时，辅传减速机驱动斗式提升机发较低转速同向转动。

辅传驱动结构设计

辅传减速机为KF系列带直联电机的锥齿轮减速电机，通过中间法兰与主减速机相联接，超越离合器与主减速机相连实现自动离合。超越离合器在中间法兰内部，有独立油润滑和加润滑脂润滑两种方式。KF锥齿轮减速电机也为独立油润滑方式，出厂前已加注润滑油。

Auxiliary Drive

Types B3...

Sizes 4...18

Dependent on the case of application, for each gear unit size two different auxiliary drives are available:

1) Maintenance Drive
The motor of the auxiliary drive is dimensioned in such a way that the bucket elevator can be operated with empty buckets at low speed in the same direction of rotation.

2) Operation under load
The motor of the auxiliary drive is dimensioned in such a way that the bucket elevator can be operated with full buckets at low speed in the same direction of rotation.

Design of auxiliary drives
The auxiliary drive is a bevel-helical gear motor type KF, which is flanged to the main gear unit by means of an intermediate flange and is coupled to the main gear units via an overrunning clutch, The overrunning clutch is located in the intermediate flange, and lubricated with its own oil or grease. The bevel-helical gear motor type KF has an own oil filling and is supplied filled with oil.

主减速机 Main gear Unit	空载驱动 Maintenance drive						载荷驱动 Operation under load					
	1) n_3 [min^{-1}]	1) T_3 [kNm]	2) 齿轮减速电机 Geared motor	P_M [kW]	输出轴 d×1 [mm]	i	1) n_3 [min^{-1}]	1) T_3 [kNm]	2) 齿轮减速电机 Geared motor	P_M [kW]	输出轴 d×1 [mm]	i
4	2.5	2.7	KF47-Y0.75-35.39	0.75	30×60	35.39	2.5	3.9	KF57-Y1.1-35.7	1.1	35×70	35.7
5	2.5	5.3	KF57-Y1.5-35.7	1.5	35×70	35.7	3.3	6.5	KF67-Y2.2-27.28	2.2	40×80	27.28
6	2.0	6.6	KF57-Y1.5-35.7	1.5	35×70	35.7	2.7	8.1	KF67-Y2.2-27.28	2.2	40×80	27.28
7	3.0	6.6	KF67-Y2.2-30.22	2.2	40×80	30.22	3.1	11.5	KF77-Y4-29.27	4	50×100	29.27
8	2.4	8.3	KF67-Y2.2-30.22	2.2	40×80	30.22	2.5	14.5	KF77-Y4-29.27	4	50×100	29.27
9	2.9	9.4	KF77-Y3-30.89	3.0	50×100	30.89	2.5	20.0	KF87-Y5.5-36.52	5.5	60×120	36.52
10	2.3	11.7	KF77-Y3-30.89	3.0	50×100	30.89	2.0	25.1	KF87-Y5.5-36.52	5.5	60×120	36.52
11	2.3	11.8	KF77-Y3-40.04	3.0	50×100	40.04	2.7	36.0	KF97-Y11-34.23	11	70×140	34.23
12	1.8	15.0	KF77-Y3-40.04	3.0	50×100	40.04	2.2	45.8	KF97-Y11-34.23	11	70×140	34.23
13	2.1	17.3	KF87-Y4-44.02	4.0	60×120	44.02	3.3	51.0	KF107-Y18.5-28.59	18.5	90×170	28.59
14	1.7	21.7	KF87-Y4-44.02	4.0	60×120	44.02	2.6	63.9	KF107-Y18.5-28.59	18.5	90×170	28.59
15	2.1	16.9	KF87-Y4-44.02	4.0	60×120	44.02	3.5	78.0	KF127-Y30-27.67	30	110×210	27.67
16	1.9	19.2	KF87-Y4-44.02	4.0	60×120	44.02	3.0	88.5	KF127-Y30-27.67	30	110×210	27.67
17	2.1	17.2	KF87-Y4-44.02	4.0	60×120	44.02	3.4	97.5	KF127-Y37-27.67	37	110×210	27.67
18	1.8	20.0	KF87-Y4-44.02	4.0	60×120	44.02	2.9	113.2	KF127-Y37-27.67	37	110×210	27.67

减速机布置形式 Design of gear units

主减速机B布置形式：D Design of main gear unit B: D 齿轮减速电机KF输出轴方向：A Output shaft direction of gear motor KF: A	主减速机B布置形式：B Design of main gear unit B: B 齿轮减速电机KF输出轴方向：B Output shaft direction of gear motor KF: B

注：1）辅传驱动输入时主减速机输出轴上转速、转矩（50Hz，n_1=1500min^{-1}）；
2）齿轮减速电机KF规格。

Note: 1) Output speed and torque on main gear unit output shaft in case of input via anxiliary drive (50Hz, n_1=1500min^{-1});
2) Gear motor KF size.



直交轴减速器 Bevel-helical gear units

额定功率 Nom.power ratings

类型 B3... Type B3…

规格 4...18 Sizes 4…18

额定功率 P_N Nominal power ratings P_N																	
i_N	n_1 r/min	n_2 r/min	规格 Sizes														kW
			4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
25	1500	60	41	69	91	129	160	214	270	377	471	553	685	961	1087	1257	1508
	1000	40	28	46	61	86	107	142	180	251	314	369	457	641	725	838	1005
	750	30	21	35	46	64	80	107	135	188	236	276	342	481	543	628	754
28	1500	54	37	62	82	116	144	192	243	339	424	498	616	865	978	1131	1357
	1000	36	25	41	55	77	96	128	162	226	283	332	411	577	652	754	905
	750	27	19	31	41	58	72	96	122	170	212	249	308	433	489	565	679
31.5	1500	48	33	55	73	103	128	171	216	302	377	442	548	769	870	1005	1206
	1000	32	22	37	49	69	85	114	144	201	251	295	365	513	580	670	804
	750	24	17	28	36	52	64	85	108	151	188	221	274	385	435	503	603
35.5	1500	42	29	48	64	90	112	150	189	264	330	387	479	673	761	880	1055
	1000	28	19	32	43	60	75	100	126	176	220	258	320	449	507	586	704
	750	21	15	24	32	45	56	75	95	132	165	194	240	336	380	440	528
40	1500	38	26	44	58	82	101	135	171	239	298	350	434	609	688	796	955
	1000	25	17	29	38	54	67	89	113	157	196	230	285	401	453	524	628
	750	18.8	13	22	29	40	50	67	85	118	148	173	215	301	341	394	472
45	1500	33	23	38	50	71	88	117	149	207	259	304	377	529	598	691	829
	1000	22	15	25	33	47	59	78	99	138	173	203	251	352	399	461	553
	750	16.7	12	19	25	36	45	59	75	105	131	154	191	268	303	350	420
50	1500	30	21	35	46	64	80	107	135	188	236	276	342	481	543	628	754
	1000	20	14	23	30	43	53	71	90	126	157	184	228	320	362	419	503
	750	15	10.4	17	23	32	40	53	68	94	118	138	171	240	272	314	377
56	1500	27	19	31	41	58	72	96	122	170	212	249	308	433	489	565	679
	1000	17.9	12	21	27	38	48	64	81	112	141	165	204	287	324	375	450
	750	13.4	9.3	15	20	29	36	48	60	84	105	123	153	215	243	281	337
63	1500	24	17	28	36	50	64	85	108	151	188	221	274	385	435	503	603
	1000	15.9	11	18	24	33	42	57	72	100	125	147	181	255	288	333	400
	750	11.9	8.2	14	18	25	32	42	54	75	93	110	136	191	216	249	299
71	1500	21	14.5	24	32	44	56	75	95	132	165	194	240	336	380	440	528
	1000	14.1	9.7	16	21	30	38	50	63	89	111	130	161	226	255	295	354
	750	10.6	7.3	12	16	22	28	38	48	67	83	98	121	170	192	222	266

B

卧式安装减速器要求强制润滑 Forced lubrication required on horizonal gear units

直交轴减速器

热功率

类型 B3...

规格 4...18

$n_1=750min^{-1}$

Bevel-helical gear units

Thermal capacities

Type B3...

Sizes 4...18

$n_1=750min^{-1}$

热功率P_G Thermal capacities P_G kW

i_N	热功率取决于冷却方式：P_{G1}: 无辅助冷却装置；P_{G2}: 带冷却风扇 Thermal capacity dependent on kind of cooling:P_{G1}:without auxiliary cooling;P_{G2}:fan cooling;															
		规格 Sizes														
		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
25	P_{G1}	28.1	39.4	45.9	61.7	71.2	83.7	90.9	115	144	151	179	216	237	254	276
	P_{G2}	43.6	63.9	73.5	100	114	141	151	213	264	282	335	402	443	526	574
28	P_{G1}	27	38.1	45.1	58.6	68.8	79.8	88.5	109	137	144	172	211	224	252	264
	P_{G2}	41.7	61.4	72.2	94.8	110	133	147	202	251	266	318	389	412	513	536
31.5	P_{G1}	25.5	36.1	42.6	55.6	66.3	76.3	84.6	104	129	136	163	198	219	238	260
	P_{G2}	39.5	58	68.1	89.8	106	126	140	191	235	252	298	362	401	479	523
35.5	P_{G1}	24	34	41.1	52.8	63	72.5	80.6	100	123	132	155	191	205	231	247
	P_{G2}	36.9	54.3	65.4	84.8	100	120	132	182	222	241	283	348	372	460	488
40	P_{G1}	21	29.5	39	46.2	60.1	67.8	76.9	94.9	117	124	148	181	198	221	239
	P_{G2}	32.1	46.8	61.9	73.6	95.4	111	126	170	209	227	267	327	358	434	469
45	P_{G1}	20.5	28.7	36.6	44.9	57	62.3	73	87	112	114	141	168	187	205	228
	P_{G2}	31.3	45.6	57.8	71	90	101	119	156	200	207	256	300	336	401	444
50	P_{G1}	20.7	28.6	31.9	44.2	49.9	61.2	68.3	87	106	116	134	172	173	213	211
	P_{G2}	31.5	45	50.1	69.6	78.1	98.8	111	153	187	207	240	302	309	407	409
56	P_{G1}	19.1	26.3	31.1	41	48.4	56.5	63	79.1	97.4	107	123	157	177	197	220
	P_{G2}	28.9	41.5	48.7	64.7	75.6	91.4	101	139	171	189	218	275	310	372	414
63	P_{G1}	18.3	25.3	30.9	39.7	47.8	54.5	61.8	76.3	96.6	103	125	150	162	189	202
	P_{G2}	27.9	39.9	48.1	62.4	74.3	88.2	98.8	133	168	181	219	262	282	355	379
71	P_{G1}	17	24.1	28.5	37.8	44.3	51	57.3	70.6	88.6	96	115	143	155	178	194
	P_{G2}	25.9	37.9	44.3	59.5	68.9	82.5	91.7	123	152	169	199	247	269	333	361

注：表中数值按：
每小时工作周期：100%
在室内大空间安装*
海拔高度至1000m

Note: Values refer to:
Operating cycle：100%
Installation in a large hall*
Altitude up to 1000m

*)室内小空间（风速＜1.4 m/s）和室外（风速≥4 m/s），请垂询。

*)Caculation consult us when small confined space(wind velocity＜1.4 m/s) or in the open (wind velocity≥4 m/s)



直交轴减速器
热功率
类型 B3...
规格 4...18
n_1=1000min^{-1}

Bevel-helical gear units
Thermal capacities
Type B3...
Sizes 4...18
n_1=1000min^{-1}

热功率P_G Thermal capacities P_G kW

i_N	热功率取决于冷却方式：P_{G1}: 无辅助冷却装置；P_{G2}: 带冷却风扇 Thermal capacity dependent on kind of cooling:P_{G1}:without auxiliary cooling;P_{G2}:fan cooling;															
		规格 Sizes														
		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
25	P_{G1}	30.1	41.8	48.6	65	74.7	87.3	94.3	117	144	149	176	204	222	234	250
	P_{G2}	51.7	75.5	86.9	119	134	166	178	250	309	329	390	466	513	607	661
28	P_{G1}	29	40.6	48	62.1	72.7	83.9	92.7	113	140	144	172	205	216	239	248
	P_{G2}	49.4	72.7	85.5	112	130	157	174	238	295	312	373	453	480	596	621
31.5	P_{G1}	27.5	38.6	45.5	59.2	70.3	80.6	89.1	108	133	139	165	196	215	232	250
	P_{G2}	46.8	68.7	80.6	106	125	149	165	225	276	296	350	423	468	557	608
35.5	P_{G1}	25.9	36.4	44	56.4	67	76.9	85.3	105	128	135	159	192	205	228	241
	P_{G2}	43.8	64.3	77.5	100	119	141	156	215	262	284	332	407	435	538	569
40	P_{G1}	22.6	31.7	41.8	49.4	64.1	72.1	81.6	99.6	122	128	152	183	199	220	236
	P_{G2}	38.1	55.5	73.3	87.1	112	131	149	201	246	267	315	383	419	508	548
45	P_{G1}	22.1	30.9	39.3	48	60.9	66.4	77.7	91.6	117	119	147	171	190	206	228
	P_{G2}	37.2	54	68.5	84.1	106	120	140	184	236	244	301	352	395	470	520
50	P_{G1}	22.4	30.8	34.4	47.6	53.6	65.5	73.1	92.4	112	122	141	178	179	219	216
	P_{G2}	37.4	53.3	59.4	82.5	92.5	117	131	181	221	244	283	356	363	478	481
56	P_{G1}	20.7	28.5	33.6	44.3	52.1	60.7	67.7	84.5	103	113	131	165	186	205	228
	P_{G2}	34.4	49.3	57.8	76.7	89.6	108	120	164	203	223	258	325	365	438	488
63	P_{G1}	19.9	27.4	33.4	42.8	51.5	58.7	66.5	81.7	103	109	133	159	171	198	211
	P_{G2}	33.1	47.3	57.1	74.1	88.1	104	117	158	198	214	259	309	333	419	447
71	P_{G1}	18.4	26.1	30.8	40.8	47.8	55	61.7	75.7	94.8	103	122	151	164	187	204
	P_{G2}	30.7	44.9	52.6	70.5	81.7	97.8	108	146	180	201	236	292	318	393	426

注：表中数值按：
每小时工作周期：100%
在室内大空间安装*
海拔高度至1000m

Note: Values refer to:
Operating cycle: 100%
Installation in a large hall*
Altitude up to 1000m

*)室内小空间（风速＜1.4 m/s）和室外（风速≥4 m/s），请垂询。
*)Caculation consult us when small confined space(wind velocity＜1.4 m/s) or in the open (wind velocity≥4 m/s)

B

B

直交轴减速器

热功率

类型 B3...

规格 4...18

n_1=1500min^{-1}

Bevel-helical gear units

Thermal capacities

Type B3...

Sizes 4...18

n_1=1500min^{-1}

热功率P_G Thermal capacities P_G kW																
i_N	热功率取决于冷却方式：P_{G1}: 无辅助冷却装置；P_{G2}: 带冷却风扇 Thermal capacity dependent on kind of cooling:P_{G1}:without auxiliary cooling;P_{G2}:fan cooling;															
		规格 Sizes														
		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
25	P_{G1}	31.9	43.3	50.1	66.2	75.2	86.9	92.8	109	130	128	150	153	160		
	P_{G2}	66.7	96.6	110	151	170	209	223	307	375	395	466	537	585	681	732
28	P_{G1}	30.9	42.5	50	64.1	74.4	85	93.1	109	131	131	155	168	172	183	182
	P_{G2}	63.9	93.3	109	143	165	199	220	296	363	380	452	535	562	689	711
31.5	P_{G1}	29.4	40.7	47.8	61.7	72.7	82.7	90.7	106	129	131	154	170	183	190	199
	P_{G2}	60.7	88.5	103	136	160	190	210	282	344	365	430	508	558	658	712
35.5	P_{G1}	27.8	38.6	46.4	59.1	69.8	79.6	87.7	105	125	130	151	173	181	196	203
	P_{G2}	56.8	83	99.8	129	152	181	199	271	328	353	412	495	526	644	677
40	P_{G1}	24.3	33.7	44.3	52	67.1	75	84.4	100	121	125	147	168	180	194	204
	P_{G2}	49.4	71.6	94.6	112	144	168	191	255	310	334	392	469	510	614	657
45	P_{G1}	23.8	32.9	41.8	50.8	64	69.4	80.8	93.2	118	117	144	160	176	187	203
	P_{G2}	48.3	69.8	88.5	108	137	154	180	234	298	306	377	434	484	572	629
50	P_{G1}	24.2	33	36.8	50.7	56.9	69.3	77	95.8	115	124	142	174	174	210	204
	P_{G2}	48.7	69.2	76.9	106	119	151	169	232	281	310	358	445	453	593	594
56	P_{G1}	22.4	30.7	36.2	47.5	55.7	64.8	72	88.9	108	117	135	167	186	203	225
	P_{G2}	44.8	64	75.1	99.5	116	140	155	211	260	285	330	411	461	552	612
63	P_{G1}	21.6	29.5	36	46.1	55.2	62.8	71	86.3	108	114	138	162	173	199	211
	P_{G2}	43.2	61.6	74.2	96.2	114	135	151	203	255	275	332	393	422	529	563
71	P_{G1}	20	28.2	33.3	43.9	51.4	59	65.9	80.2	99.9	107	127	155	167	190	205
	P_{G2}	40	58.5	68.4	91.7	106	126	140	189	232	258	302	372	404	498	539

注：表中数值按：
每小时工作周期：100%
在室内大空间安装*
海拔高度至1000m

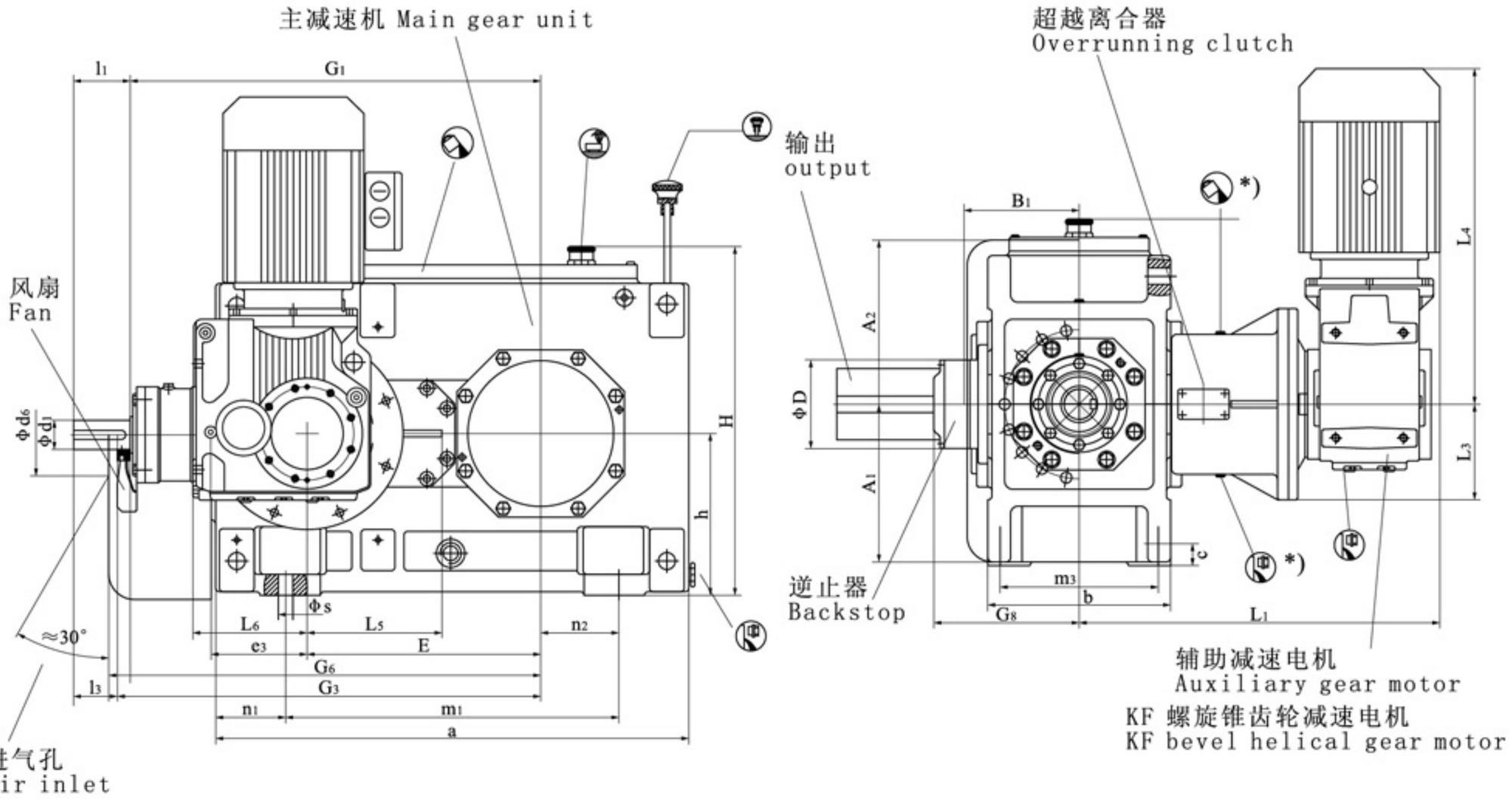
Note: Values refer to:
Operating cycle：100%
Installation in a large hall*
Altitude up to 1000m

*)室内小空间（风速＜1.4 m/s）和室外（风速≥4 m/s），请垂询。

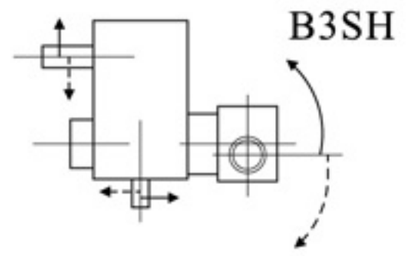
*)Caculation consult us when small confined space(wind velocity＜1.4 m/s) or in the open (wind velocity≥4 m/s)

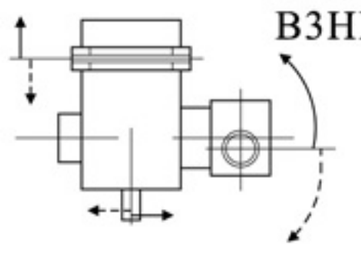
直交轴减速机 Bevel-helical Gear Units
带辅传 With Auxiliary Drive
空载驱动 Maintenance Drive
三级 Three Stage
类型 Type B3...
规格 Sizes 4...12

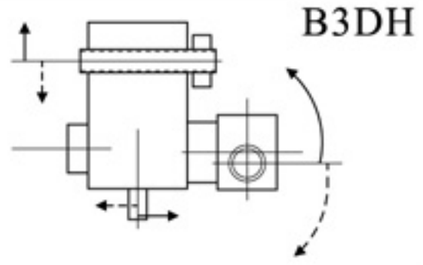
B3SH B3HH B3DH



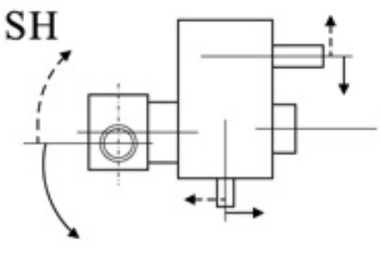
主减速机B布置形式：D
Design of main gear unit B: D
齿轮减速电机KF输出轴方向：A
Output shaft direction of gear motor KF：A

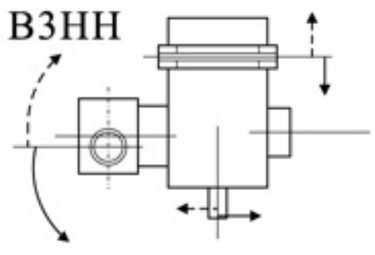


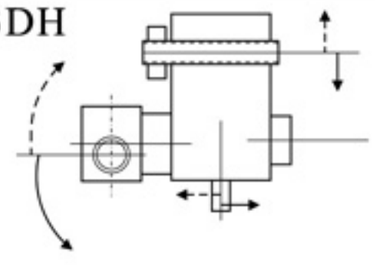




主减速机B布置形式：B
Design of main gear unit B: B
齿轮减速电机KF输出轴方向：B
Output shaft direction of gear motor KF：B

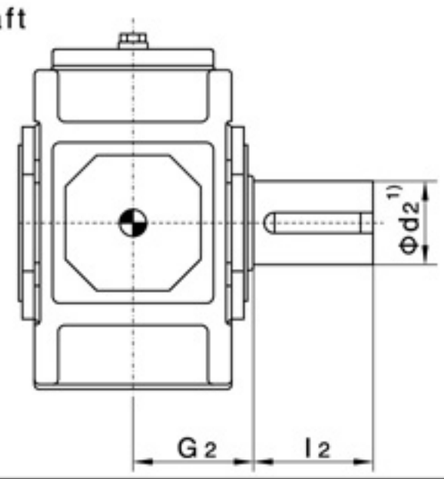




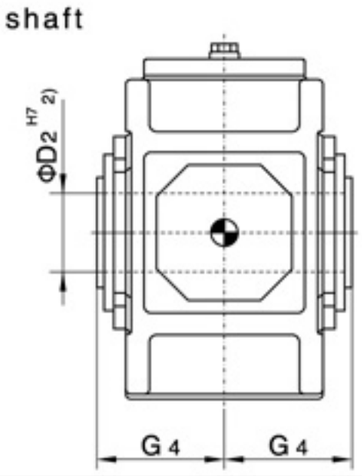


输出轴 Output Shaft

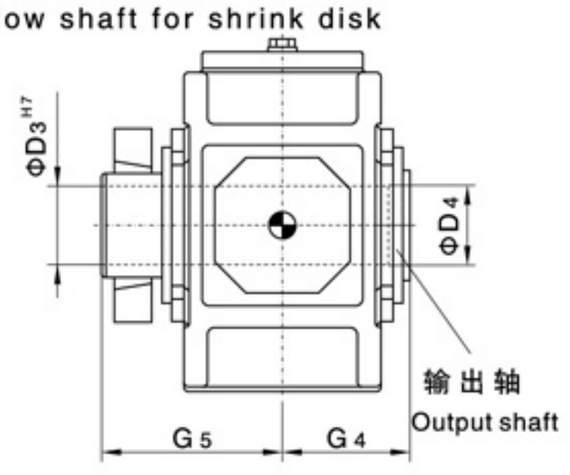
B3SH
实心轴
Solid shaft



B3HH
空心轴
Hollow shaft



B3DH
带胀紧盘的实心轴
Hollow shaft for shrink disk



1) k6≤Φ25 Φ28≤k6≤Φ100 n6>Φ100
有关平键和中心孔，参见第3页
2) 键槽GB/T1095-1979

1) k6≤Φ25 Φ28≤k6≤Φ100 n6>Φ100
For parallel key and for center hole, see page 3
2) Keyway GB/T1095-1979

*)仅当采用国外超越离合器时加注润滑油，若采用国产逆止器、超越离合器时则加注润滑脂。
*)Fill lubrication only when selecting imported overrunning clutch,if domestic backstop and overrunning clutch are used please fill grease.

直交轴减速机 Bevel-helical Gear Units
带辅传 With Auxiliary Drive
空载驱动 Maintenance Drive

三级Three Stage
类型Type B3...
规格Sizes 4...12

B

规格 Size	辅传减速电机 Auxiliary gear motor	尺寸 mm 输入轴 Dimensions in mm Input shaft												G_1	G_3
		i_N=25-45			i_N=25-56			i_N=50-71			i_N=63-71				
		d_1 1)	l_1	l_3	d_1 1)	l_1	l_3	d_1 1)	l_1	l_3	d_1 1)	l_1	l_3		
4	KF47-Y0.75-35.39	30	70	50				25	60	40				500	520
5	KF57-Y1.5-35.7	35	80	60				28	60	40				575	595
6	KF57-Y1.5-35.7				35	80	60				28	60	40	610	630
7	KF67-Y2.2-30.22	45	100	80				35	80	60				690	710
8	KF67-Y2.2-30.22				45	100	80				35	80	60	735	755
9	KF77-Y3-30.89	55	110	80				40	100	70				800	830
10	KF77-Y3-30.89				55	110	80				40	100	70	850	880
11	KF77-Y3-40.04	70	135	105				50	110	80				960	990
12	KF77-Y3-40.04				70	135	105				50	110	80	1030	1060

规格 Size	尺寸 mm 减速器 Dimensions in mm Gear units												
	a	A_1	A_2	b	B_1	c	d_6	e_3	E	G_6	G_8 5)		h	H
4	565	195	200	215	143	28	110	110	270	530	193	188*	200	445
5	640	220	235	255	168	28	130	130	315	605	218	213*	230	512
6	720	220	235	255	168	28	130	130	350	640	218	213*	230	512
7	785	275	275	300	193	35	165	160	385	720	273	266*	280	602
8	890	275	275	300	193	35	165	160	430	765	273	266*	280	617
9	925	315	325	370	231	40	175	185	450	845	347	327*	320	697
10	1025	315	325	380	231	40	175	185	500	895	347	327*	320	697
11	1105	370	385	430	263	50	190	225	545	1010	397	342*	370	817
12	1260	370	385	430	263	50	190	225	615	1080	397	342*	370	825

规格 Size	尺寸 mm 减速器 Dimensions in mm Gear units													
	m_1	m_3	n_1	n_2	s	L_1 5)		L_3	L_4	L_5	L_6	D 5)	
4	355	180	105	85	19	447	447*	103	459	137	112	132	132*
5	430	220	105	100	19	512	507*	125	502	165	132	160	150*
6	510	220	105	145	19	512	507*	125	502	165	132	160	150*
7	545	260	120	130	24	555	555*	150	536	210	140	195	190*
8	650	260	120	190	24	555	555*	150	536	210	140	195	190*
9	635	320	145	155	28	655	650*	160	556	255	180	230	210*
10	735	320	145	205	28	655	650*	160	556	255	180	230	210*
11	775	370	165	180	35	702	692*	180	556	315	180	280	210*
12	930	370	165	265	35	702	692*	180	556	315	180	280	210*

规格 Size	尺寸 mm 输出轴 Dimensions in mm Output shaft									润滑油 lubrication		重量 weight	
	B3SH			B3HH		B3DH				KF	B3	KF 3)	B3/KF 4)
	d_2 1)	G_2	l_2	D_2	G_4	D_3	D_4	G_4	G_5	(L)	(L)	(kg)	(kg)
4	80	140	170	80	140	85	85	140	205	2.2	10	36	262
5	100	165	210	95	165	100	100	165	240	3	16	52	402
6	110	165	210	105	165	110	110	165	240	3	17	52	457
7	120	195	210	115	195	120	120	195	280	3.6	30	66	649
8	130	195	250	125	195	130	130	195	285	3.6	33	66	734
9	140	235	250	135	235	140	145	235	330	6	45	92	1017
10	160	235	300	150	235	150	155	235	350	6	48	92	1147
11	170	270	300	165	270	165	170	270	400	6	79	92	1582
12	180	270	300	180	270	180	185	270	405	6	84	92	1857

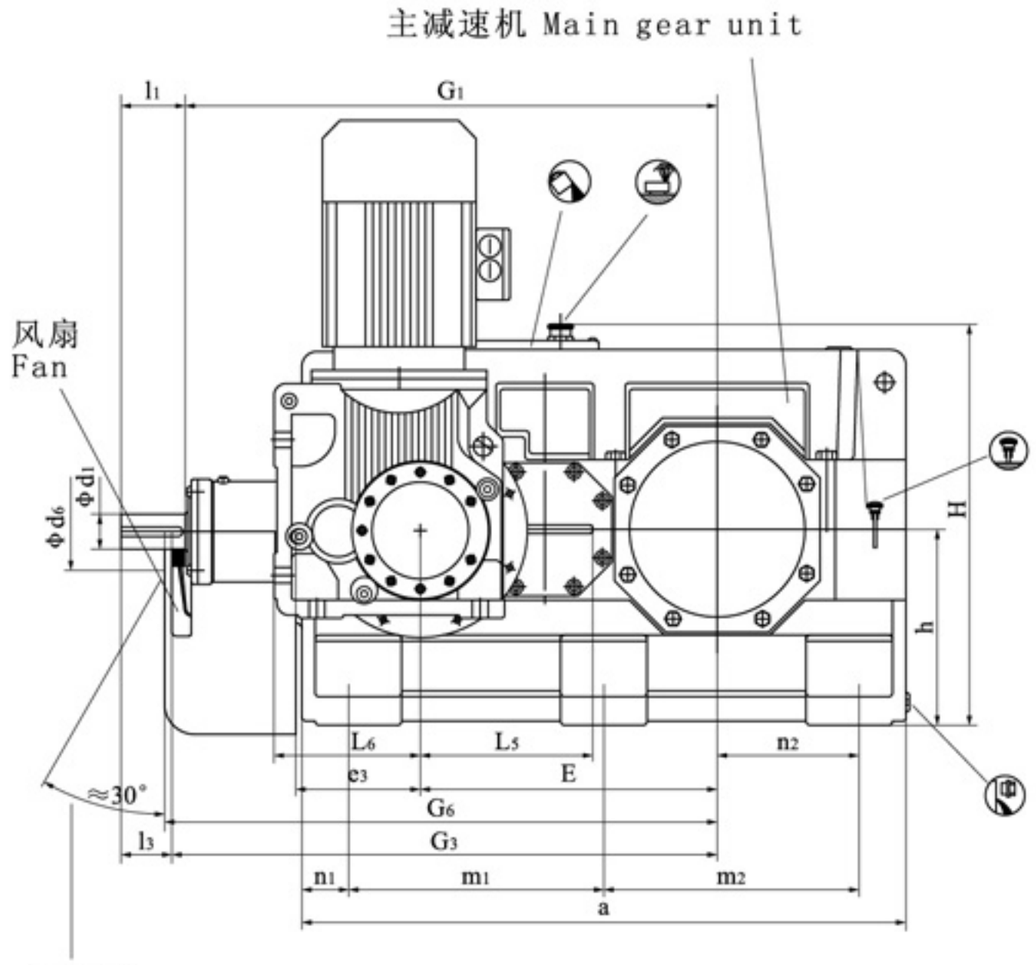
3）KF减速电机重量（不含润滑油重量），其余相关数据详见122页；
4）主减速机与辅传减速电机组合总重量（不含润滑油重量）；
5）不带*列为采用国产逆止器、超越离合器时尺寸，带*列为选用国外逆止器、超越离合器时尺寸。

3) Weight of gear motor KF (oil weight not included), other detailed data refer to Page 122 ;
4) Gross weight of combination of main gear unit and auxiliary gear motor (oil weight not included).
5) Without * is the dimension using domestic back stop and overrunning clutch and with * is the dimension using imported backstop and overrunning clutch.

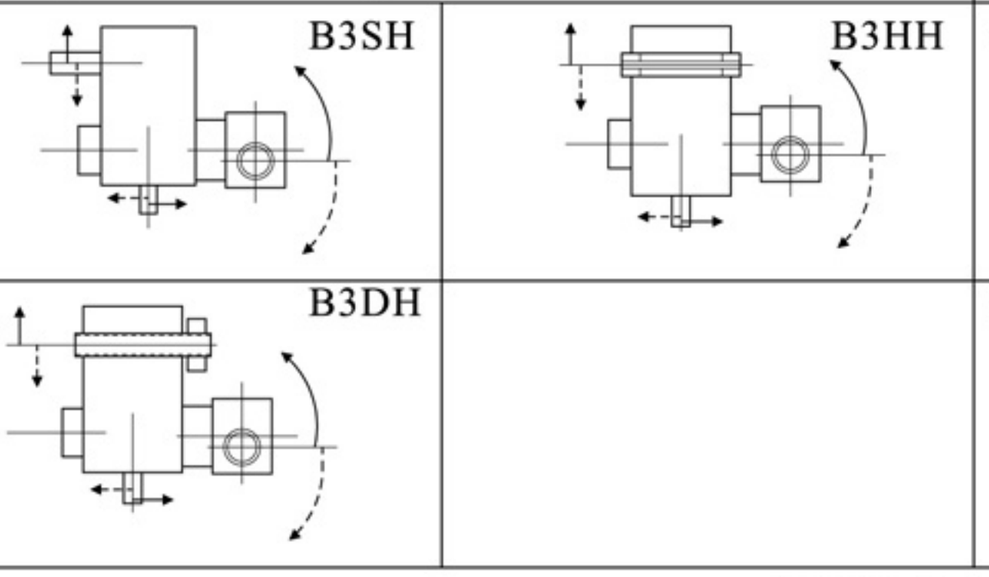
直交轴减速机 Bevel-helical Gear Units
带辅传 With Auxiliary Drive
空载驱动 Maintenance Drive

三级 Three Stage
类型 Type B3...
规格 Sizes 13...18

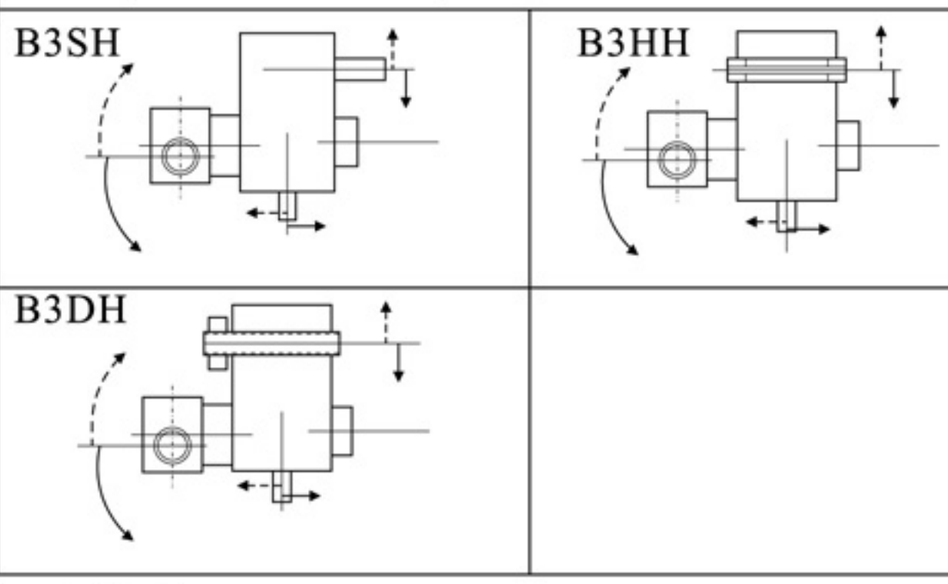
B3SH B3HH B3DH



主减速机B布置形式：D
Design of main gear unit B: D
齿轮减速电机KF输出轴方向：A
Output shaft direction of gear motor KF: A

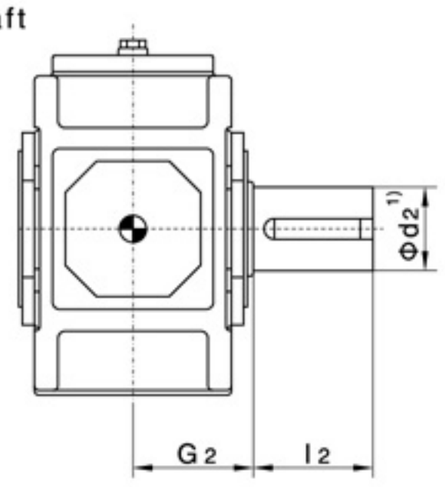


主减速机B布置形式：B
Design of main gear unit B: B
齿轮减速电机KF输出轴方向：B
Output shaft direction of gear motor KF: B

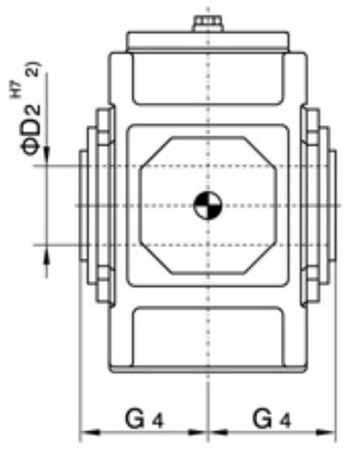


输出轴 Output Shaft

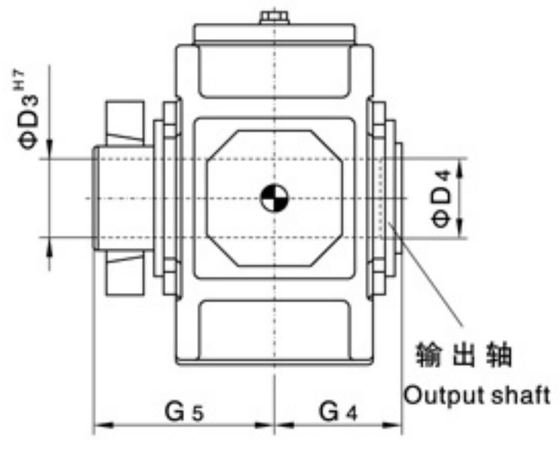
B3SH
实心轴
Solid shaft



B3HH
空心轴
Hollow shaft



B3DH
带胀紧盘的实心轴
Hollow shaft for shrink disk



1) k6≤Φ25 Φ28≤k6≤Φ100 n6>Φ100
有关平键和中心孔，参见第3页
2) 键槽GB/T1095-1979

1) k6≤Φ25 Φ28≤k6≤Φ100 n6>Φ100
For parallel key and for center hole, see page 3
2) Keyway GB/T1095-1979

*)仅当采用国外超越离合器时加注润滑油，若采用国产逆止器、超越离合器时则加注润滑脂。
*)Fill lubrication only when selecting imported overrunning clutch,if domestic backstop and overrunning clutch are used please fill grease.

直交轴减速机 Bevel-helical Gear Units
带辅传 With Auxiliary Drive
空载驱动 Maintenance Drive

三级Three Stage
类型Type B3...
规格Sizes 13...18

规格 Size	辅传减速电机 Auxiliary gear motor	尺寸 mm 输入轴 Dimensions in mm Input shaft																		G_1	G_3
		i_N=25-45			i_N=25-50			i_N=25-56			i_N=50-71			i_N=56-71			i_N=63-71				
		d_1 1)	l_1	l_3	d_1 1)	l_1	l_3	d_1 1)	l_1	l_3	d_1 1)	l_1	l_3	d_1 1)	l_1	l_3	d_1 1)	l_1	l_3		
13	KF87-Y4-44.02	80	165	130							60	140	105							1125	1160
14	KF87-Y4-44.02							80	165	130							60	140	105	1195	1230
15	KF87-Y4-44.02	90	165	130							70	140	105							1367	1402
16	KF87-Y4-44.02				90	165	130							70	140	105				1413	1448
17	KF87-Y4-44.02	110	205	165							80	170	130							1560	1600
18	KF87-Y4-44.02				110	205	165							80	170	130				1620	1660

B

规格 Size	尺寸 mm 减速器 Dimensions in mm Gear units												
	a	A_1	A_2	b	B_1	c	d_6	e_3	E	G_6	G_8 5)		h	H
13	1290	425	475	550	325	60	210	265	635	1180	453	433*	440	935
14	1430	425	475	550	325	60	210	265	705	1250	453	433*	440	935
15	1550	485	520	625	365	70	210	320	762	1420	500	476*	500	1035
16	1640	485	520	625	365	70	210	320	808	1470	500	476*	500	1035
17	1740	535	570	690	395	80	230	370	860	1620	532	508*	550	1145
18	1860	535	570	690	395	80	230	370	920	1680	532	508*	550	1145

规格 Size	尺寸 mm 减速器 Dimensions in mm Gear units													
	m_1	m_2	m_3	n_1	n_2	s	L_1 5)		L_3	L_4	L_5	L_6	D 5)	
13	545	545	475	100	305	35	805	790*	190	628	362	212	320	290*
14	545	685	475	100	375	35	805	790*	190	628	362	212	320	290*
15	655	655	535	120	365	42	850	835*	200	628	443	212	400	290*
16	655	745	535	120	410	42	850	835*	200	628	443	212	400	290*
17	735	735	600	135	390	42	882	867*	225	628	520	212	400	290*
18	735	855	600	135	450	42	882	867*	225	628	520	212	400	290*

规格 Size	尺寸 mm 输出轴 Dimensions in mm Output shaft									润滑油 lubrication		重量 weight	
	B3SH			B3HH		B3DH				KF	B3	KF 3)	B3/KF 4)
	d_2 1)	G_2	l_2	D_2	G_4	D_3	D_4	G_4	G_5	(L)	(L)	(kg)	(kg)
13	200	335	350	190	335	190	195	335	480	11.9	145	126	2547
14	210	335	350	210	335	210	215	335	480	11.9	155	126	2917
15	230	380	410	230	380	230	235	380	550	11.9	230	126	3902
16	240	380	410	240	380	240	245	380	550	11.9	240	126	4127
17	250	415	410	250	415	250	260	415	600	11.9	315	126	5168
18	270	415	470	275	415	280	285	415	600	11.9	325	126	5673

3）KF减速电机重量（不含润滑油重量），其余相关数据详见122页；

4）主减速机与辅传减速电机组合总重量（不含润滑油重量）；

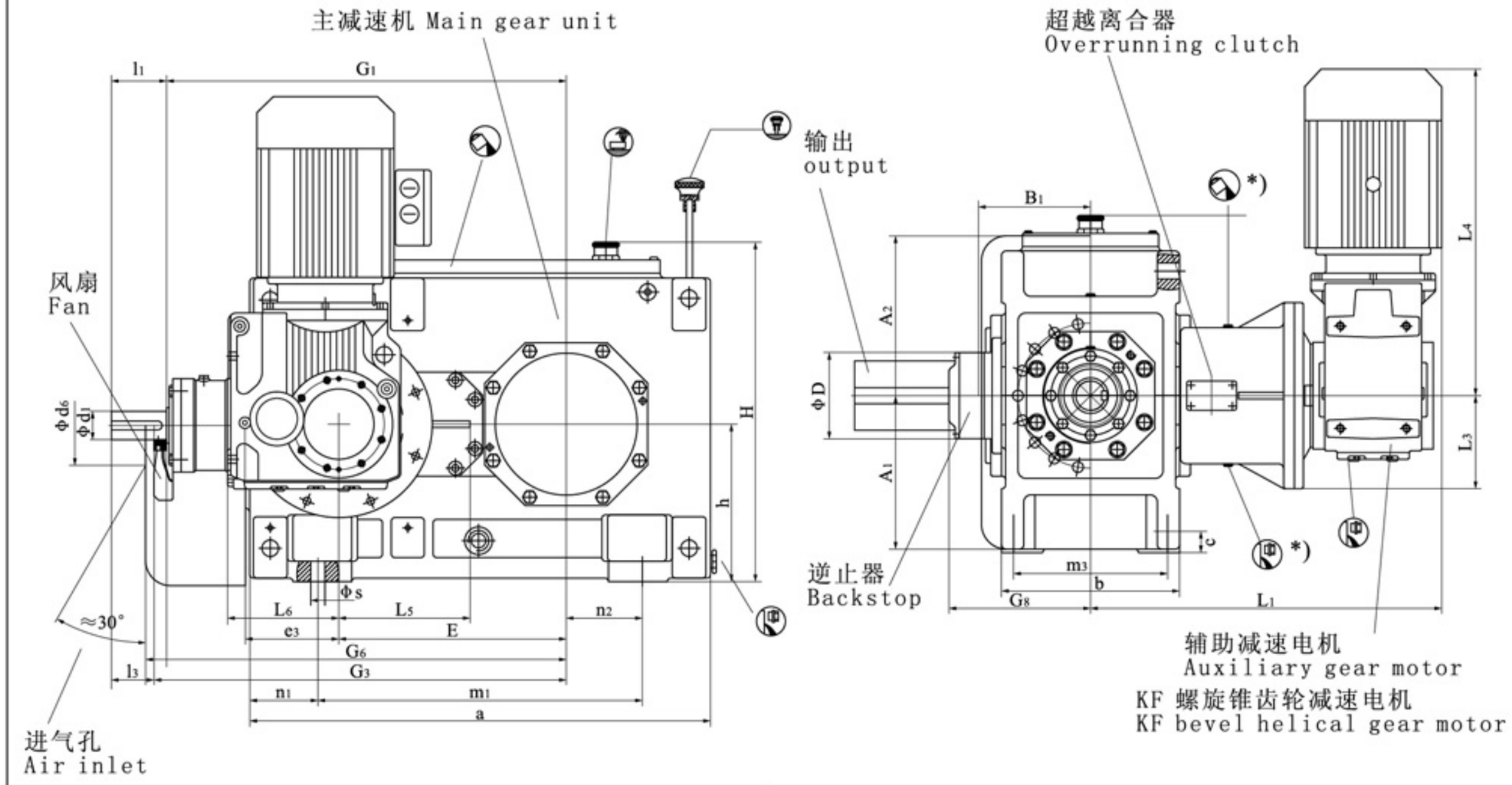
5）不带*列为采用国产逆止器、超越离合器时尺寸，带*列为选用国外逆止器、超越离合器时尺寸。

3) Weight of gear motor KF (oil weight not included), other detailed data refer to Page 122;
4) Gross weight of combination of main gear unit and auxiliary gear motor (oil weight not included).
5) Without * is the dimension using domestic back stop and overrunning clutch and with * is the dimension using imported backstop and overrunning clutch.

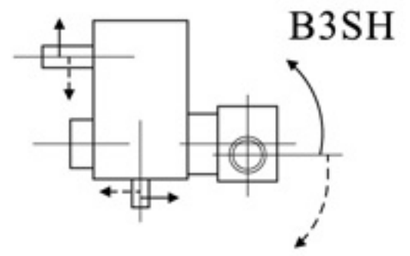
直交轴减速机 Bevel-helical Gear Units
带辅传 With Auxiliary Drive
载荷驱动 Operation under load

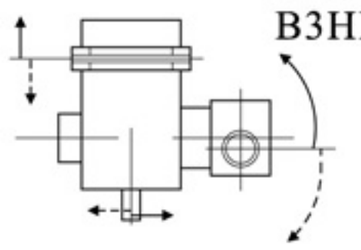
三级 Three Stage
类型 Type B3...
规格 Sizes 4...12

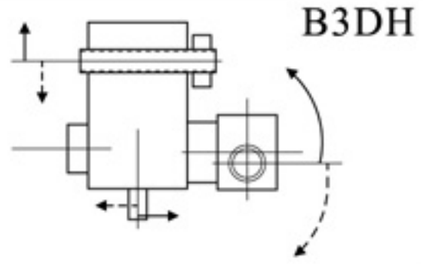
B3SH B3HH B3DH



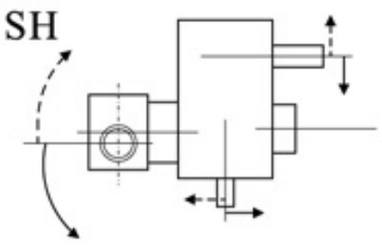
主减速机B布置形式：D
Design of main gear unit B: D
齿轮减速电机KF输出轴方向：A
Output shaft direction of gear motor KF：A

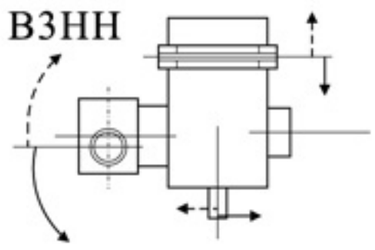


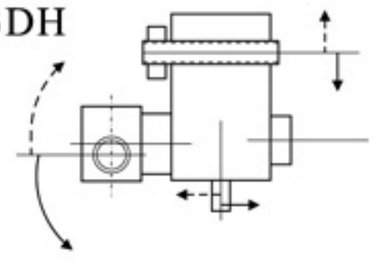




主减速机B布置形式：B
Design of main gear unit B: B
齿轮减速电机KF输出轴方向：B
Output shaft direction of gear motor KF：B

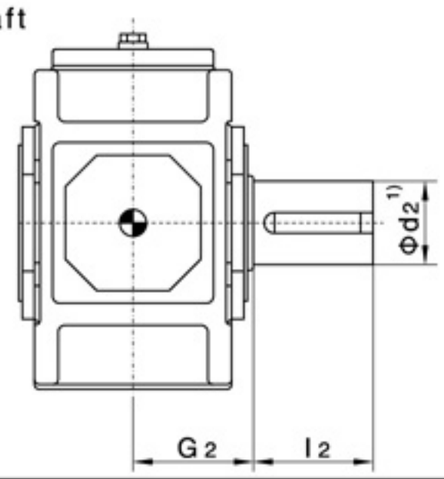






输出轴 Output Shaft

B3SH
实心轴
Solid shaft



B3HH
空心轴
Hollow shaft

B3DH
带胀紧盘的实心轴
Hollow shaft for shrink disk

1) k6≤Φ25 Φ28≤k6≤Φ100 n6>Φ100
有关平键和中心孔，参见第3页
2) 键槽GB/T1095-1979

1) k6≤Φ25 Φ28≤k6≤Φ100 n6>Φ100
For parallel key and for center hole, see page 3
2) Keyway GB/T1095-1979

*)仅当采用国外超越离合器时加注润滑油，若采用国产逆止器、超越离合器时则加注润滑脂。
*)Fill lubrication only when selecting imported overrunning clutch,if domestic backstop and overrunning clutch are used please fill grease.

直交轴减速机 Bevel-helical Gear Units
带辅传 With Auxiliary Drive
载荷驱动 Operation Under Load

三级Three Stage
类型Type B3...
规格Sizes 4...12

规格 Size	辅传减速电机 Auxiliary gear motor	尺寸 mm 输入轴 Dimensions in mm Input shaft												G_1	G_3
		i_N=25-45			i_N=25-56			i_N=50-71			i_N=63-71				
		d_1 1)	l_1	l_3	d_1 1)	l_1	l_3	d_1 1)	l_1	l_3	d_1 1)	l_1	l_3		
4	KF57-Y1.1-35.7	30	70	50				25	60	40				500	520
5	KF67-Y2.2-27.28	35	80	60				28	60	40				575	595
6	KF67-Y2.2-27.28				35	80	60				28	60	40	610	630
7	KF77-Y4-29.27	45	100	80				35	80	60				690	710
8	KF77-Y4-29.27				45	100	80				35	80	60	735	755
9	KF87-Y5.5-36.52	55	110	80				40	100	70				800	830
10	KF87-Y5.5-36.52				55	110	80				40	100	70	850	880
11	KF97-Y11-34.23	70	135	105				50	110	80				960	990
12	KF97-Y11-34.23				70	135	105				50	110	80	1030	1060

规格 Size	尺寸 mm 减速器 Dimensions in mm Gear units												
	a	A_1	A_2	b	B_1	c	d_6	e_3	E	G_6	G_8 5)		h	H
4	565	195	200	215	143	28	110	110	270	530	193	188*	200	445
5	640	220	235	255	168	28	130	130	315	605	218	213*	230	512
6	720	220	235	255	168	28	130	130	350	640	218	213*	230	512
7	785	275	275	300	193	35	165	160	385	720	273	266*	280	602
8	890	275	275	300	193	35	165	160	430	765	273	266*	280	617
9	925	315	325	370	231	40	175	185	450	845	347	327*	320	697
10	1025	315	325	380	231	40	175	185	500	895	347	327*	320	697
11	1105	370	385	430	263	50	190	225	545	1010	397	342*	380	817
12	1260	370	385	430	263	50	190	225	615	1080	397	342*	380	825

规格 Size	尺寸 mm 减速器 Dimensions in mm Gear units											
	m_1	m_3	n_1	n_2	s	L_1 5)		L_3	L_4	L_5	L_6	D 5)	
4	355	180	105	85	19	479	474*	125	447	137	132	132	132*
5	430	220	105	100	19	528	523*	125	536	165	140	160	150*
6	510	220	105	145	19	528	523*	125	536	165	140	160	150*
7	545	260	120	130	24	636	636*	125	693	210	180	195	190*
8	650	260	120	190	24	636	636*	125	693	210	180	195	190*
9	635	320	145	155	28	743	723*	175	674	255	212	230	210*
10	735	320	145	205	28	743	723*	175	674	255	212	230	210*
11	775	370	165	180	35	869	849*	225	806	315	265	280	210*
12	930	370	165	265	35	869	849*	225	806	315	265	280	210*

规格 Size	尺寸 mm 输出轴 Dimensions in mm Output shaft									润滑油 lubrication		重量 weight	
	B3SH			B3HH		B3DH				KF	B3	KF 3)	B3/KF 4)
	d_2 1)	G_2	l_2	D_2	G_4	D_3	D_4	G_4	G_5	(L)	(L)	(kg)	(kg)
4	80	140	170	80	140	85	85	140	205	3	10	50	283
5	100	165	210	95	165	100	100	165	240	3.6	16	66	424
6	110	165	210	105	165	110	110	165	240	3.6	17	66	479
7	120	195	210	115	195	120	120	195	280	6	30	98	689
8	130	195	250	125	195	130	130	195	285	6	33	98	774
9	140	235	250	135	235	140	145	235	330	11.9	45	150	1105
10	160	235	300	150	235	150	155	235	350	11.9	48	150	1235
11	170	270	300	165	270	165	170	270	400	21.5	79	248	1821
12	180	270	300	180	270	180	185	270	405	21.5	84	248	2096

3）KF减速电机重量（不含润滑油重量），其余相关数据详见122页；

4）主减速机与辅传减速电机组合总重量（不含润滑油重量）；

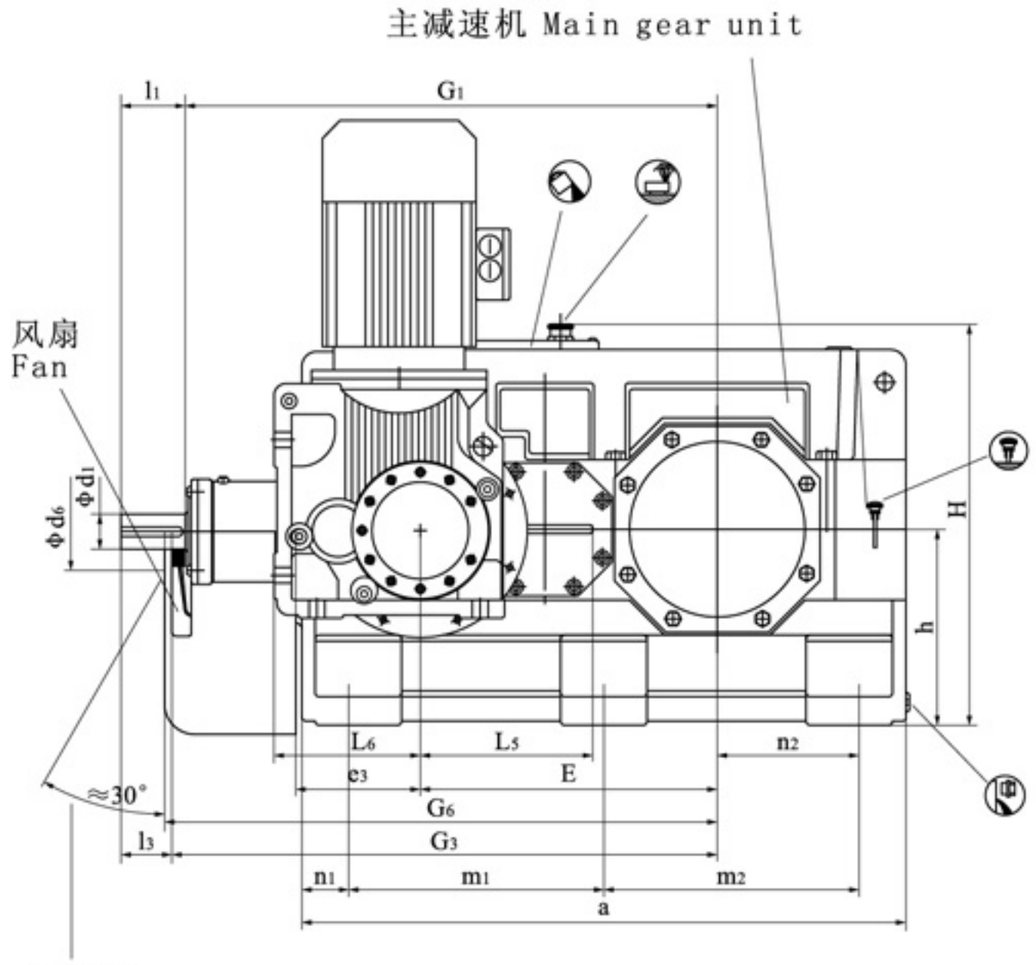
5）不带*列为采用国产逆止器、超越离合器时尺寸，带*列为选用国外逆止器、超越离合器时尺寸。

3) Weight of gear motor KF (oil weight not included), other detailed data refer to Page 122 ;
4) Gross weight of combination of main gear unit and auxiliary gear motor (oil weight not included).
5) Without * is the dimension using domestic back stop and overrunning clutch and with * is the dimension using imported backstop and overrunning clutch.

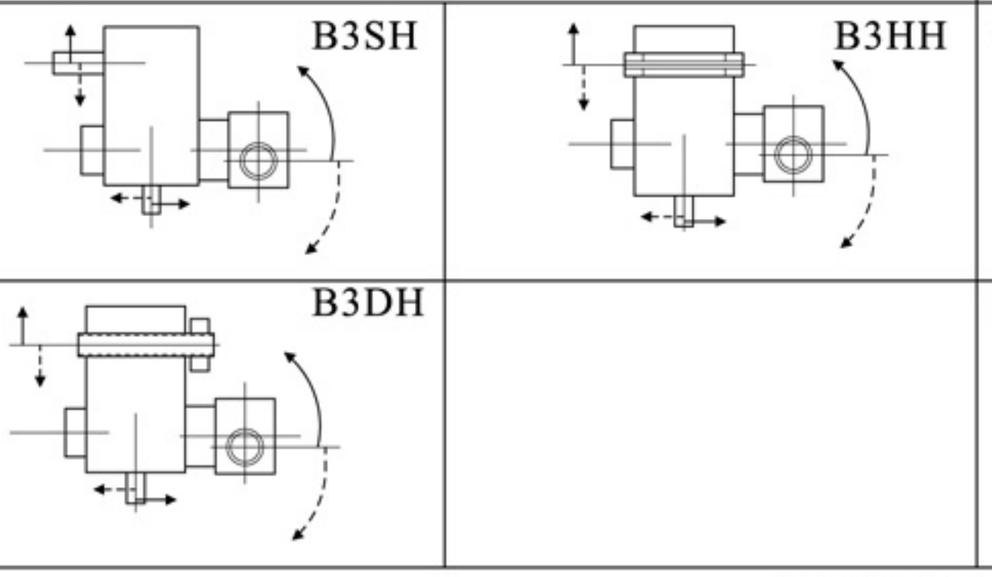
直交轴减速机 Bevel-helical Gear Units
带辅传 With Auxiliary Drive
载荷驱动 Operation under load

三级 Three Stage
类型 Type B3...
规格 Sizes 13...18

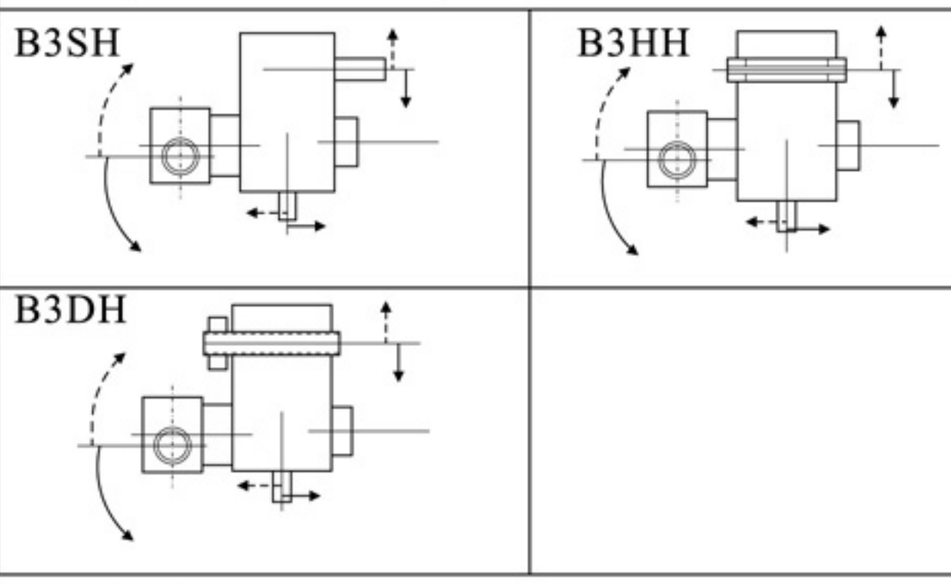
B3SH B3HH B3DH



主减速机B布置形式：D
Design of main gear unit B: D
齿轮减速电机KF输出轴方向：A
Output shaft direction of gear motor KF: A

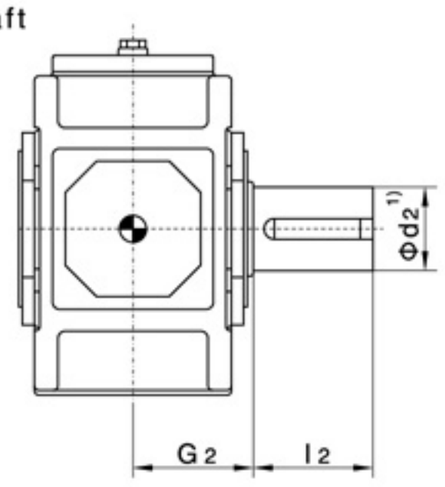


主减速机B布置形式：B
Design of main gear unit B: B
齿轮减速电机KF输出轴方向：B
Output shaft direction of gear motor KF: B

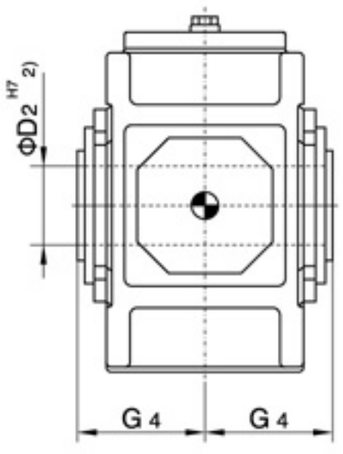


输出轴 Output Shaft

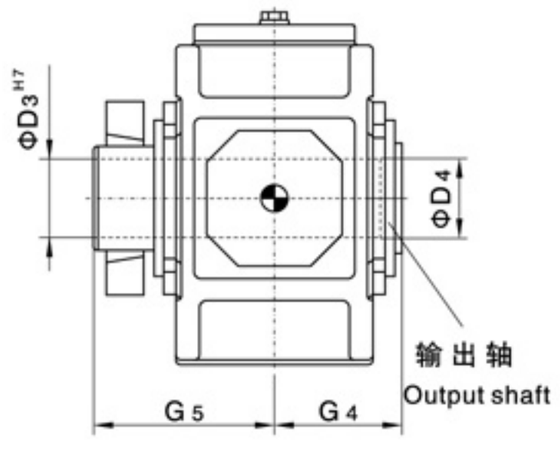
B3SH
实心轴
Solid shaft



B3HH
空心轴
Hollow shaft



B3DH
带胀紧盘的实心轴
Hollow shaft for shrink disk



1) k6≤Φ25 Φ28≤k6≤Φ100 n6>Φ100
有关平键和中心孔，参见第3页
2) 键槽GB/T1095-1979

1) k6≤Φ25 Φ28≤k6≤Φ100 n6>Φ100
For parallel key and for center hole, see page 3
2) Keyway GB/T1095-1979

*)仅当采用国外超越离合器时加注润滑油，若采用国产逆止器、超越离合器时则加注润滑脂。
*)Fill lubrication only when selecting imported overrunning clutch,if domestic backstop and overrunning clutch are used please fill grease.

直交轴减速机 Bevel-helical Gear Units
带辅传 With Auxiliary Drive
载荷驱动 Operation Under Load

三级Three Stage
类型Type B3...
规格Sizes 13...18

规格 Size	辅传减速电机 Auxiliary gear motor	尺寸 mm 输入轴 Dimensions in mm Input shaft																		G_1	G_3
		i_N=25-45			i_N=25-50			i_N=25-56			i_N=50-71			i_N=56-71			i_N=63-71				
		d_1 1)	l_1	l_3	d_1 1)	l_1	l_3	d_1 1)	l_1	l_3	d_1 1)	l_1	l_3	d_1 1)	l_1	l_3	d_1 1)	l_1	l_3		
13	KF107-Y18.5-28.59	80	165	130							60	140	105							1125	1160
14	KF107-Y18.5-28.59							80	165	130							60	140	105	1195	1230
15	KF127-Y30-27.67	90	165	130							70	140	105							1367	1402
16	KF127-Y30-27.67				90	165	130							70	140	105				1413	1448
17	KF127-Y37-27.67	110	205	165							80	170	130							1560	1600
18	KF127-Y37-27.67				110	205	165							80	170	130				1620	1660

B

规格 Size	尺寸 mm 减速器 Dimensions in mm Gear units												
	a	A_1	A_2	b	B_1	c	d_6	e_3	E	G_6	G_8 5)		h	H
13	1290	425	475	550	325	60	210	265	635	1180	453	433*	440	900
14	1430	425	475	550	325	60	210	265	705	1250	453	433*	440	900
15	1550	485	520	625	365	70	210	320	762	1420	500	476*	500	1000
16	1640	485	520	625	365	70	210	320	808	1470	500	476*	500	1000
17	1740	535	570	690	395	80	230	370	860	1620	532	508*	550	1110
18	1860	535	570	690	395	80	230	370	920	1680	532	508*	550	1110

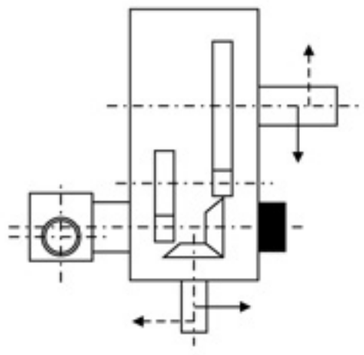
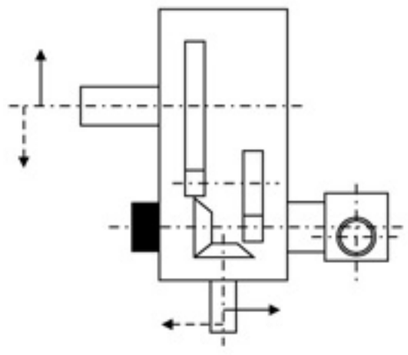
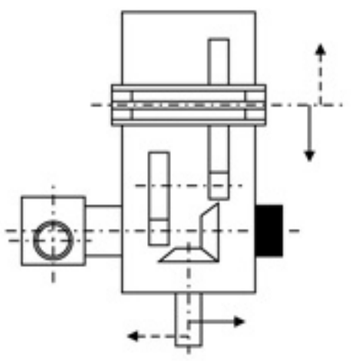
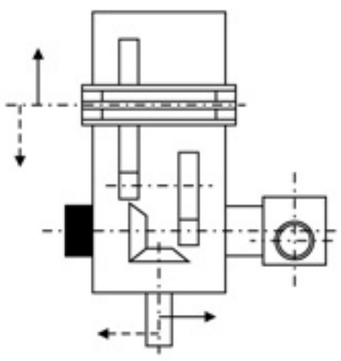
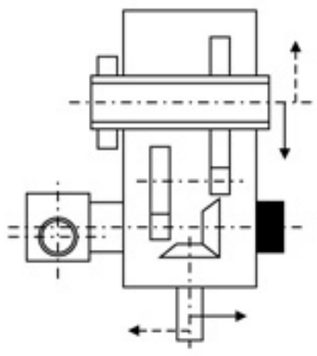
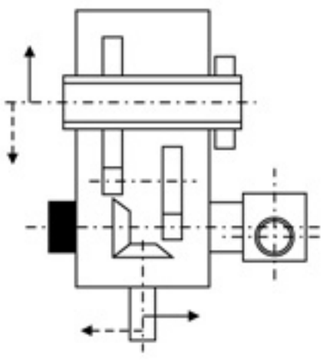
规格 Size	尺寸 mm 减速器 Dimensions in mm Gear units													
	m_1	m_2	m_3	n_1	n_2	s	L_1 5)		L_3	L_4	L_5	L_6	D 5)	
13	545	545	475	100	305	35	1024	986*	225	934	362	315	320	290*
14	545	685	475	100	375	35	1024	986*	225	934	362	315	320	290*
15	655	655	535	120	365	42	1181	1161*	275	1048	443	375	400	290*
16	655	745	535	120	410	42	1181	1161*	275	1048	443	375	400	290*
17	735	735	600	135	390	42	1223	1203*	275	1068	513	375	400	290*
18	735	855	600	135	450	42	1223	1203*	275	1068	513	375	400	290*

规格 Size	尺寸 mm 输出轴 Dimensions in mm Output shaft									润滑油 lubrication		重量 weight	
	B3SH			B3HH		B3DH				KF	B3	KF 3)	B3/KF 4)
	d_2 1)	G_2	l_2	D_2	G_4	D_3	D_4	G_4	G_5	(L)	(L)	(kg)	(kg)
13	200	335	350	190	335	190	190	335	205	11.9	145	126	2547
14	210	335	350	210	335	210	215	335	240	11.9	155	126	2917
15	230	380	410	230	380	230	235	380	240	11.9	230	126	3902
16	240	380	410	240	380	240	245	380	280	11.9	240	126	4127
17	250	415	410	250	415	250	260	415	285	11.9	315	126	5168
18	270	415	470	275	415	280	285	415	350	11.9	325	126	5673

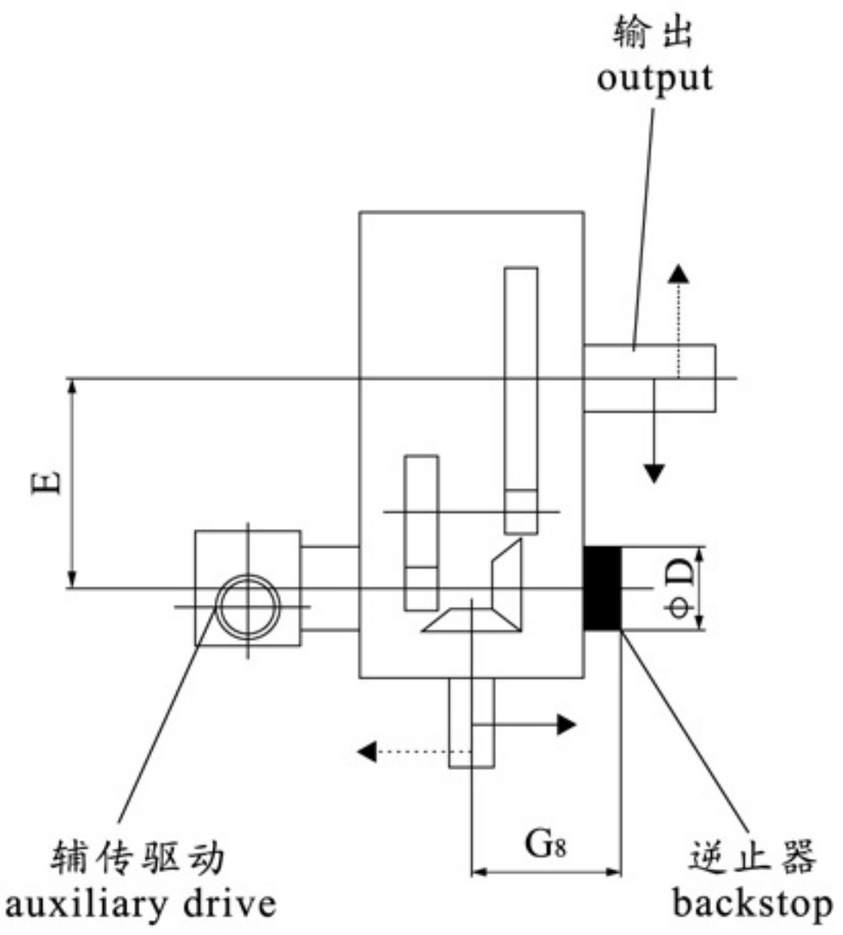
3）KF减速电机重量（不含润滑油重量），其余相关数据详见122页；
4）主减速机与辅传减速电机组合总重量（不含润滑油重量）；
5）不带*列为采用国产逆止器、超越离合器时尺寸，带*列为选用国外逆止器、超越离合器时尺寸。

3) Weight of gear motor KF (oil weight not included), other detailed data refer to Page 122;
4) Gross weight of combination of main gear unit and auxiliary gear motor (oil weight not included).
5) Without * is the dimension using domestic back stop and overrunning clutch and with * is the dimension using imported backstop and overrunning clutch.

逆止器 Backstops

标准逆止器布置及输入输出转向关系 Standard backstop arrangement and dependence of direction of rotation		
类型 Type	布置形式 Design 规格Sizes 4 ...18	
	B	D
B3SH		
B3HH		
B3DH		

型号Type					
规格 Sizes	E mm	G_8 mm		D mm	
4	270	193	188*	132	132*
5	315	218	213*	150	160*
6	350	218	213*	150	160*
7	385	273	266*	190	195*
8	430	273	266*	190	195*
9	450	347	327*	210	230*
10	500	347	327*	210	230*
11	545	397	342*	210	280*
12	615	397	342*	210	280*
13	635	453	433*	290	320*
14	705	453	433*	290	320*
15	762	500	476*	290	400*
16	808	500	476*	290	400*
17	860	532	508*	290	400*
18	920	532	508*	290	400*



注：不带*列为采用国产逆止器、超越离合器时尺寸，带*列为选用国外逆止器、超越离合器时尺寸。

Note: Without * is the dimension using domestic backstop and overrunning clutch and with * is the dimension using imported backstop and overrunning clutch.

P系列工业齿轮箱概述：

- ❑ 采用模块化设计，可根据客户要求进行变化组合。
- ❑ 箱体采用球墨铸铁，大大提高了箱体的刚性及抗震性。
- ❑ 箱体内的太阳轮、行星轮、内齿圈及螺旋锥齿轮均采用可控气氛渗碳淬火处理，得到高硬耐磨表面，热处理后全部磨齿，降低了噪音，提高了整机的效率及使用寿命。
- ❑ 输入方式：同心轴输入，斜齿轮输入，锥齿轮－斜齿轮输入，锥齿轮输入。
- ❑ 输出方式：内花键式，空心轴收缩盘式，外花键式，实心轴平键。
- ❑ 安装形式：水平安装，垂直安装，扭力臂安装。
- ❑ P系列产品有9-34型规格，行星传动级数有2级和3级。速比为25-4000，和R、K系列组合可得到更大速比。

P series gear units overview:

- ❑ Modular design realizes variable combination.
- ❑ Housing is made of cast iron, which improve its rigidity and anti-vibration.
- ❑ Sun and planet gears are processed by cementite and hardening, gears are processed by grinding, which improve the efficiency and lifetime of gear units.
- ❑ Input mode: coaxial input, helical gear input, bevel-helical gear input.
- ❑ Out put mode: internal involute spline, hollow shaft with shrink disk, external involute spline, solid shaft with flat key.
- ❑ Mounting mode: horizontal vertical, torque-arm.
- ❑ P series sizes 9-34, transmission stage: 2, 3, ratio: 25-4000, ratio will be larger in combination with R, K series.

P

P系列型号规格表示方法举例：

P series model expressing example:

基本型号规格表示方法举例：

Basic type illustration:

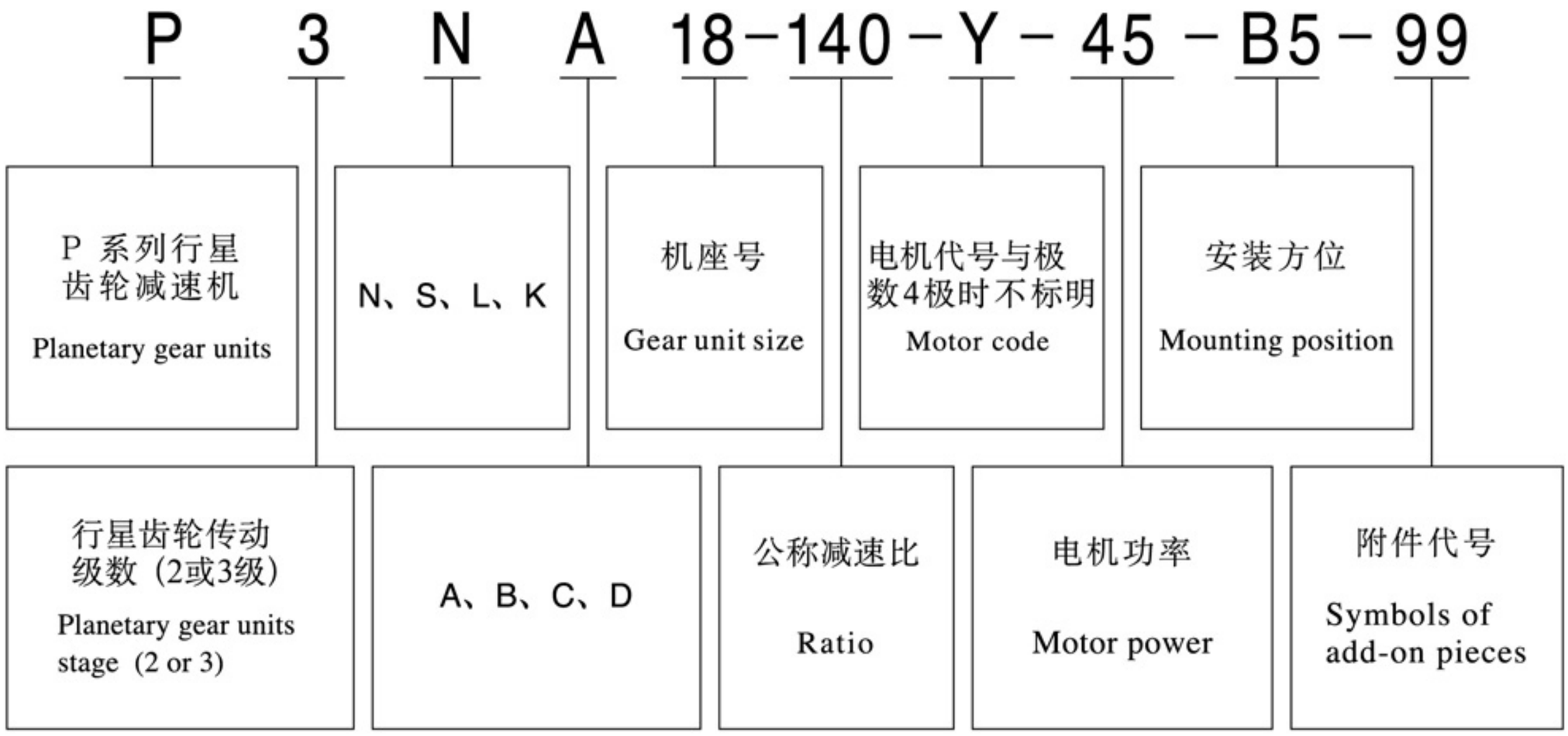
P 3 N A 18－140－B5－99

P系列行星齿轮减速机 Planetary gear units	行星齿轮传动级数(2或3级) Planetary gear units stage (2 or 3)	N、S、L、K N标准型（同心输入）Standard(coaxial) S斜齿轮级Helical gear stage L锥齿轮级Bevel gear stage K锥齿-斜齿轮级Bevel-helical gear stage	A、B、C、D A 带收缩盘空心输出轴Hollow shaft with shrink disk B 带平键的实心输出轴Solid shaft with parallel key C 带渐开线花键空心轴Hollow shaft with involute splines D 带渐开线花键实心轴Solid shaft with involute splines	机座号 Gear unit size	公称减速比 Ratio	安装方位 Mounting position	附件代号 Symbols of add-on pieces



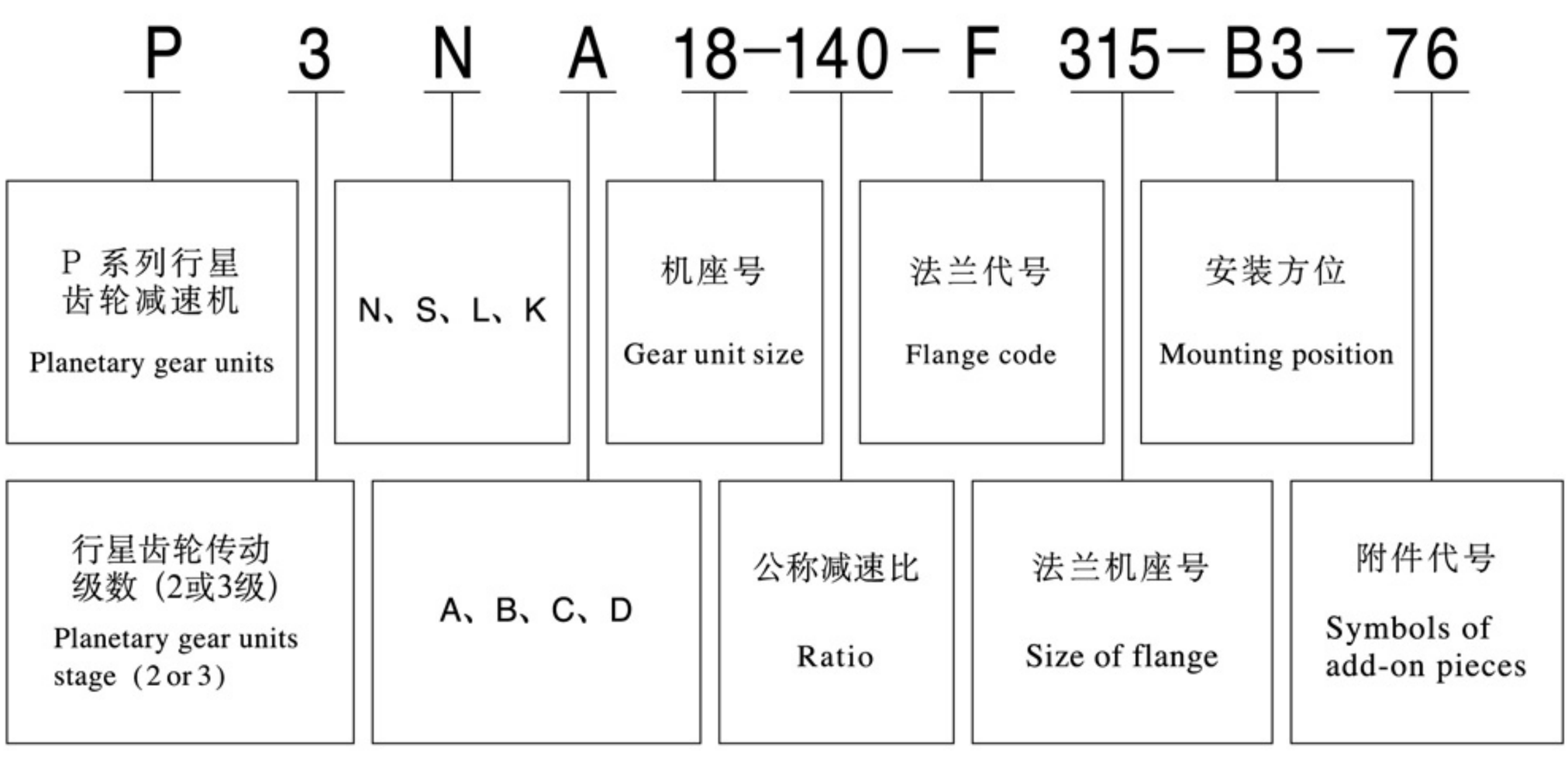
电机直联表示方法举例：

Compact motor mode illustration:



输入法兰联接表示方法举例：

Motor-flange mode illustration:



P

P系列选型及举例：　　P series type selection example:

序号 Steps	说　明 Specification	代号 Symbol	参　数　计　算 Calculate parameter
1	被驱动设备系数 Driven machine factor	f1	查255页f1表 See P255 f1 table
2	原动机系数 Factor for prime mover	f2	原动机系数 Factor for prime mover — f2 电机、液压马达、汽轮机 Electric motors, hydraulic motors, turbines — 1.0 4−6缸活塞发动机，周期变化1：100至1：200 Piston engines 4 - 6 cylinders cyclic variation 1 : 100 to 1 : 200 — 1.25 1−3缸活塞发动机，周期变化1：100 Piston engines 1 - 3 cylinders cyclic variation up to 1 : 100 — 1.5
3	齿轮箱许用输入转速 Permissible input speed	n1	≤1500
4	确定减速比 Determine ratio	i	i=n1/n2
5	确定齿轮箱类型 选择传动效率 Efficiency	η	Type / η / Type / η P2N 94% P3N 92% P2L 93% P3S 91% P2S 93% P3K 89% P2K 91%
6	以被驱动设备所需的扭矩或功率,确定齿轮箱的输入功率 Determine input power	P1	P1=T2 · n1/(9550 · i · η)　或 or　P1=P2/η
7	根据计算，查传动能力表,确定齿轮箱规格 By calculation, defermine type in reference to transmission table	T2N P1N	T2N ≥T2 · f1 · f2　或 or　P1N≥P1 · f1 · f2 如果不满足条件： 3.33 · P1≥P1N ，请向我们咨询。 If not meet: 3.33 · P1≥P1N please consult us.
8	峰值扭矩校核 * Check for maximum torque	TA	PIN≥TA · n1 · f3/9550 f3 / 每小时峰值负荷次数 Load peaks per hour: 1-5 / 6-30 / 31-100 / >100 单向载荷 Steady direction of load: 0.5 / 0.65 / 0.7 / 0.85 交变载荷 Altemating direction of load: 0.7 / 0.95 / 1.10 / 1.25
9	输出轴的径向力、轴向力校核 Verify axial and radial forces	Fr、Fa	查254页P系列Fr表 See page 254, P series Fr table
10	计算功率利用率确定其系数 Determine power utilization factor	f14	功率利用率 Utilization = P1/P1N · 100% 确定其系数f14. Determine f14. 功率利用率 Utilization: 30% 40% 50% 60% 70% 80% 90% 100% f14: 0.66 0.77 0.83 0.90 0.90 0.95 1.0 1.0
11	热容量校核 Verify thermal capacity	PG	P1≤PG= PG1 · f4 · f14 若不能满足上式,则齿轮箱需外加辅助冷却装置(根据工况要求,可采用冷却水，冷却油,风冷等形式) If P1＞PG , auxilliary cooling system shoulld be installed. 环境温度系数 Ambient temperature factor f4 环境温度 Ambient Temperature / 每小时工作周期（ED）百分比% Operating cycle per hour (ED) in %: 100 / 80 / 60 / 40 / 20 10 °C: 1.14 1.20 1.32 1.54 2.04 20 °C: 1.00 1.06 1.16 1.35 1.79 30 °C: 0.87 0.93 1.00 1.18 1.56 40 °C: 0.71 0.75 0.82 0.96 1.27 50 °C: 0.55 0.58 0.64 0.74 0.98
12	确定润滑方式 Verify lubrication method		V1 、V3、 V11 、V31安装方位为浸油润滑;B51强制润滑；其它安装方位为飞溅润滑或油泵。 V1 、V3、 V11 、V31: Dip lubrication; B51:Pump lubrication; others: splash lubrication.
13	椐据输入,输出方式,安装方位等确定具体型号及所需附件 Determine type according to the above.		

* 峰值扭矩：最大负载扭矩，是指启动、制动或最大脉动载荷所引起的最大扭矩。（一般工况条件下峰值扭矩为启动或制动时的最大扭矩）
Peak torque: Maximum torque is maximum starting torque, maximum braking torque.



选 型 举 例
Selection example

输送设备,输入转速为1000r/min,
最大起动扭矩为2000N · m,输出转速为12.5r/min,
输出扭矩为68000N · m,每天工作12h。
负载持续率为60%，环境温度为0～20℃，大车间安装，风速约为5m/s,海拔高度为1000m以下，水平式法兰安装,偏心平行轴输入,输出,双轴型,实心轴普通平键输出。

解答:

f1=1.5

f2=1

n1=1000

i=1000/12.5=80

根据速比及输入输出轴要求可选P2S型

η=0.93

P1=T2 · n1/(9550 · i · η)

=68000 × 1000/(9550 × 80 × 0.93)=95.7kW

T2N≥T2 × f1 × f2=68000N · m × 1.5 × 1=102kN · m

P1N≥P1 × f1 × f2=95.7 × 1.5 × 1=143.55kW

初选P2SB14-80-B5-99

其P1N=153kW　PG1=94kW　iex=78.827

校核：3.33 × P1≥P1 N

3.33 × 95.7 = 318.681 kW > P1N　满足要求。

峰值扭矩校核:

P1N=153kW≥T_A · n1 · f3/9550

=2000 × 1000 × 0.5/9550=104.71kW　满足要求。

热容量校核:

公称功率利用率=P1/P1N=95.7/153=0.625=62.5%

查P系列选型表得 f14=0.9　f4=1.16

PG1 × f4 × f14=94 × 1.16 × 0.9=100.32kW > P1

因此无须外加辅助冷却装置就可满足设备要求。

根据设备要求,安装方位为B5

润滑方式:飞溅润滑

选定型号为：**P2SB14-80-B5-99**

Conveyer, input speed 1000r/min,
Max starting torque 2000N · m, output speed 12.5r/min,
Output torque 68000N · m, service time 12h/day.
Dnration of load 60% of workin circle, ambient temperature 0～20℃, wind velocity 5m/s, large workshops, altitude below 1000m,
horizontal flange-mounted with solid output shaft.

f_1=1.5

f_2=1

n1=1000

i=1000/12.5=80

Choose P2S according to the above data.

η=0.93

P1=T2 · n1/(9550 · i · η)

=68000 × 1000/(9550 × 80 × 0.93)=95.7kW

T2N≥T2 × f1 × f2=68000N · m × 1.5 × 1=102kN · m

P1N≥P1 × f1 × f2=95.7 × 1.5 × 1=143.55kW

Refer to transmission capacity table,

choose P2SB14-80-B5-99,

P1N=153kW　PG1=94kW　iex=78.827

Check: 3.33 × P1≥P1N

3.33 × 95.7 = 318.681 kW > P_{1N}

Check verify peak torque:

P1N=153kW≥T_A · n1 · f3/9550

=2000 × 1000 × 0.5/9550=104.71kW

Check thermal capacities:

Utilization =P1/1PN=95.7/153=0.625=62.5%

So f14=1　Get f4=1.16, according to working conditions.

PG1 × f4 × f14=94 × 1.16 × 0.9=100.32kW > P1

No attached cooling devices can meet requirement.

Mounting position B5

Lubrication method: splash

TYPE: **P2SB14-80-B5-99**

符号说明：

ED= 每小时工作周期，以百分比表示，如ED=60%/h

f1=被驱动设备系数

f2=原动机系数

f3=峰值扭矩系数

f4=环境温度系数

f14=设备功率利用率

PG1=不带辅助冷却装置的齿轮箱热容量

Fr2=允许径向力

P1N=减速机额定许用输入功率

TA=峰值扭矩，或者启动、制动时最大扭矩

Symbol description:

ED =operating cycle per hour, express as percent, for example ED=60%/h

f1=Factor for driven machine

f2=Factor for prime mover

f3=Peak torquq factor

f4 =Ambient temperature factor

f14 = Utilization factor

PG1=Thermal capacity for gear units without auxiliary cooling,

Fr2= Permissible radial forces

PN1= Required power rating

T_A =Tax. torque occurring on input shaft,e.g. peak operating, starting- or braking torque

P系列Fr2(N)表：

P series Fr(N) table:

n1 (r/min)	n2N	iN	Fr 2 (N)													
			9	10	11	12	13	14	16	17	18	19-20	21-22	23-24	25-26	27-28
1450	58.0	25	9538	23353	32518	42407	34737	41183	72297	64454	69713	70477	99136	99347	123583	126071
	51.8	28	9905	24252	33770	44039	36057	42768	75080	66935	72396	73190	102952	103171	128341	130925
	46.0	31.5	10302	25223	35122	45803	37519	44481	78086	69616	75295	76121	107075	107302	133480	136167
	40.8	35.5	10720	26249	36550	47665	39044	46289	81261	72446	78356	79215	111428	111665	138907	141703
	36.3	40	11155	27314	38033	49599	40629	48167	84559	75386	81536	82430	115950	116196	144544	147454
	32.2	45	11602	28408	39556	51585	42256	50096	87945	78404	84801	85731	120593	120849	150332	153358
	29.0	50	12017	29423	40970	53429	43766	51887	91088	81207	87832	88795	124903	125169	155705	158840
	25.9	56	12479	30556	42547	55486	45451	53884	94595	84333	91214	92214	129712	129988	161700	164955
	23.0	63	12979	31779	44251	57708	47271	56042	98383	87710	94866	95906	134906	135193	168175	171560
	20.4	71	13507	33071	46050	60054	49193	58320	102382	91276	98723	99805	140390	140689	175011	178534
	18.1	80	14055	34413	47919	62491	51189	60687	106537	94980	102729	103856	146088	146398	182114	185780
	16.1	90	14618	35791	49838	64993	53239	63117	110803	98783	106843	108014	151937	152260	189406	193219
	14.5	100	15140	37071	51619	67316	55142	65373	114764	102314	110662	111875	157368	157703	196176	200125
	12.9	112	15723	38498	53606	69908	57265	67890	119182	106253	114922	116182	163427	163774	203729	207830
	11.6	125	16309	39933	55605	72514	59400	70421	123626	110215	119207	120514	169520	169880	211325	215578
	10.4	140	16937	41471	57746	75306	61687	73132	128385	114458	123796	125153	176046	176420	219460	223878

备注：各规格更低的输出转速按以上最大的Fr2值。

Note: If there is lower output speed, please choose the maximum Fr2 in above table.



被驱动设备系数 f1　Service Factors

被驱动设备系数 Factor for driven machine		f1		
工作机 Driven machines		日带载运行时间（小时）Effective daily operating period under load in hours		
		0.5	>0.5-10	>10
污水处理	**Waste water treatment**			
浓缩器（中心传动）	Thickeners (central drive)	–	–	1.2
压滤器	Filter presses	1.0	1.3	1.5
絮凝器	Flocculation apparata	0.8	1.0	1.3
曝气机	Aerators	–	1.8	2.0
搂集设备	Raking equipment	1.0	1.2	1.3
纵向、回转组合式接集装置	Combined longitudinal and rotary rakes	1.0	1.3	1.5
浓缩器	Pre-thickeners	–	1.1	1.3
螺杆泵	Screw pumps	–	1.3	1.5
水轮机	Water turbines	–	–	2.0
泵	Pumps			
离心泵	Centrifugal pumps	1.0	1.2	1.3
容积式泵	Positive-displacement pumps			
1个活塞	1 piston	1.3	1.4	1.8
>1个活塞	> 1piston	1.2	1.4	1.5
挖泥机	**Dredgers**			
斗式运输机	Bucket conveyors	–	1.6	1.6
倾卸装置	Dumping devices	–	1.3	1.5
Carterpillar行走机构	Carterpillar travelling gears	1.2	1.6	1.8
斗式挖掘机	Bucket wheel excavators			
用于捡拾	as pick-up	–	1.7	1.7
用于粗料	for primitive material	–	2.2	2.2
切碎机	Cutter heads	–	2.2	2.2
行走机构 *	Traversing gears	–	1.4	1.8
弯板机	**Plate bending machines**	–	1.0	1.0
化学工业	**Chemical industry**			
挤压机	Extruders	–	–	1.6
调浆机	Dough mills	–	1.8	1.8
橡胶砑光机	Rubber calenders	–	1.5	1.5
冷却圆筒	Cooling drums	–	1.3	1.4
混料机，用于	Mixers for			
均匀介质	uniform media	1.0	1.3	1.4
非均匀介质	non-uniform media	1.4	1.6	1.7
搅拌机，用于	Agitators for media with			
密度均匀介质	uniform density	1.0	1.3	1.5
不均匀介质	non-uniform density	1.2	1.4	1.6
不均匀气体吸收	non-uniform gas absorption	1.4	1.6	1.8
烘炉	Toasters	1.0	1.3	1.5
离心机	Centrifuges	1.0	1.2	1.3
金属加工设备	**Metal working mills**			
翻板机	Plate tilters	1.0	1.0	1.2
推钢机	Ingot pushers	1.0	1.2	1.2
绕线机	Winding machines	–	1.6	1.6
冷床横移架	Cooling bed transfer frames	–	1.5	1.5
辊式矫直机	Roller straighteners	–	1.6	1.6
辊道	Roller tables			
连续式	continuous	–	1.5	1.5
间歇式	intermittent	–	2.0	2.0
可逆式轧管机	Reversing tube mills	–	1.8	1.8
剪切机	Shears			
连续式 *	continuous	–	1.5	1.5
曲柄式 *	crank type	1.0	1.0	1.0
连铸机驱动装置	Continuous casting drivers	–	1.4	1.4
轧机	Rolls			
可逆式开坯机	Reversing blooming mills	–	2.5	2.5
可逆式板坯轧机	Reversing slabbing mills	–	2.5	2.5
可逆式线材轧机	Reversing wire mills	–	1.8	1.8
可逆式薄板轧机	Reversing sheet mills	–	2.0	2.0
可逆式中厚板轧机	Reversing plate mills	–	1.8	1.8
辊缝调节驱动装置	Roll adjustment drives	0.9	1.0	–

工作机 Driven machines		日带载运行时间（小时）Effective daily operating period under load in hours		
		0.5	>0.5-10	>10
输送机械	**Conveyors**			
斗式输送机	Bucket conveyors	–	1.4	1.5
绞车	Hauling winches	1.4	1.6	1.6
卷扬机	Hoists	–	1.5	1.8
皮带输送机≤150kW	Belt conveyors ≤ 150 kW	1.0	1.2	1.3
皮带输送机≥150kW	Belt conveyors ≥ 150 kW	1.1	1.3	1.4
货用电梯 *	Goods lifts	–	1.2	1.5
客用电梯 *	Passenger lifts	–	1.5	1.8
刮板式输送机	Apron conveyors	–	1.2	1.5
自动扶梯	Escalators	1.0	1.2	1.4
轨道行走机构	Rail travelling gears	–	1.5	–
变频装置	**Frequency converters**	–	1.8	2.0
往复式压缩机	**Reciprocating compressors**	–	1.8	1.9
起重机械 **	**Cranes**			
回转机构 *	Slewing gears	1.0	1.4	1.8
俯仰机构	Luffing gears	1.0	1.1	1.4
行走机构	Travelling gears	1.1	1.6	2.0
提升机构	Hoisting gears	1.0	1.1	1.4
转臂式起重机	Derricking jib cranes	1.0	1.2	1.6
冷却塔	**Cooling towers**			
冷却塔风扇	Cooling tower fans	–	–	2.0
风机（轴流和离心式）	Blowers (axial and radial)	–	1.4	1.5
食品工业	**Food industry**			
蔗糖生产	Cane sugar production			
甘蔗切碎机 *	Cane knives	–	–	1.7
甘蔗碾磨机	Cane mills	–	–	1.7
甜菜糖生产	Beet sugar production			
甜菜绞碎机	Beet cossettes macerators,	–	–	1.2
榨取机，机械致冷机、蒸煮机	Extraction plants, Mechanical refrigerators, Juice boilers,	–	–	1.4
甜菜清洗机	Sugar beet washing machines,			
甜菜切碎机	Sugar beet cutters	–	–	1.5
造纸机械	**Paper machines**			
各种类型 ***	of all-kind	–	1.8	2.0
碎浆机驱动装置	Pulper drives	根据客户要求供货 On request		
离心式压缩机	**Centrifugal compressors**	–	1.4	1.5
索道缆车	**Cableways**			
运货索道	Material ropeways	–	1.3	1.4
往返系统空中索道	To- and fro system aerial ropeways	–	1.6	1.8
T型杆升降机	T-bar lifts	–	1.3	1.4
连续索道	Continuous ropeways	–	1.4	1.6
水泥工业	**Cement industry**			
混凝土搅拌器	Concrete mixers	–	1.5	1.5
破碎机 *	Breakers	–	1.2	1.4
回转窑	Rotary kilns	–	–	2.0
管式磨机	Tube mills	–	–	2.0
选粉机	Separators	–	1.6	1.6
辊压机	Roll crushers	–	–	2.0

1. 工作机额定功率P2的确定：
   *）按最大的扭矩确定额定功率。
   **）可交载荷准确地分类。
   ***）检验热容量是绝对必要的。
2. 所列各项系数均为经验值。使用这些系数的前提条件是，所述机械设备应符合通常的设计规范和载荷条件。如遇特殊情况，请及时与我们取得联系。
3. 对于那些未列入此表的工作机械，请与我们联系。

1. Design for power rating of driven machine P2
   *) Designed power corresponding to max. torque
   **) Load can be exactly classified, for Instance.
   ***) A check for thermal capacity is absolutely essential.
2. The listed factors are empirical values. Prerequisite for their application is that the machinery and equipment mentioned correspond to generally accepted design and load specifications. In case of deviations from standard conditions, please refer to us.
3. For driven machines which are not listed in this table,please refer to us.

P2N和P2S传动能力表：（i=25~125）

P2N & P2S transmission capacity table: （i=25~125）

n_1 (r/min)	n_{2N} (r/min)	i_N	P2-9			P2-10			P2-11			P2-12			P2-13			P2-14		
			T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)
1500	60	25	22	25.634	137	31	25.634	193	42	25.875	261	60	24.983	373	83	24.958	516	117	24.958	728
1000	40				91			129			174			249			344			485
750	30				68			96			131			187			258			364
1500	54	28	22	28.058	123	31	28.058	173	42	28.233	235	60	27.26	336	83	27.318	465	117	27.318	655
1000	36				82			116			157			224			310			437
750	27				62			87			118			168			232			327
1500	48	31.5	22	31.142	109	31	31.142	154	42	31.207	209	60	30.13	298	83	30.321	413	117	30.321	582
1000	32				73			103			139			199			275			388
750	24				55			77			104			149			206			291
1500	42	35.5	22	35.201	96	31	35.201	135	42	35.072	183	60	33.863	261	83	34.272	361	117	34.272	509
1000	28				64			90			122			174			241			340
750	21				48			67			91			131			181			255
1500	38	40	22	40.781	87	31	40.781	122	42	40.302	165	60	38.912	236	83	39.706	327	117	39.706	461
1000	25				57			80			109			155			215			303
750	19				43			61			83			118			163			230
1500	33.3	45	22	45.601	77	31	45.601	108	42	43.209	147	60	41.719	209	83	43.797	290	117	43.797	408
1000	22.2				51			72			98			140			193			272
750	16.7				38			54			73			105			145			204
1500	30.0	50	22	51.544	69	31	51.544	97	42	48.561	132	60	46.887	188	83	49.505	261	117	49.505	368
1000	20.0				46			65			88			126			174			245
750	15.0				35			49			66			94			130			184
1500	26.8	56	22	59.715	62	31	59.715	87	42	55.802	118	60	53.878	168	83	57.353	233	117	57.353	328
1000	17.9				41			58			79			112			155			219
750	13.4				31			43			59			84			116			164
1500	23.8	63	22	61.953	55	31	61.953	77	42	63.399	105	60	61.213	150	83	59.977	207	117	59.977	292
1000	15.9				37			52			70			100			138			194
750	11.9				27			39			52			75			103			146
1500	21.1	71	22	71.775	49	31	71.775	69	42	72.853	93	60	70.34	133	83	69.485	184	117	69.485	259
1000	14.1				32			46			62			88			122			173
750	10.6				24			34			46			66			92			129
1500	18.8	80	22	78.782	43	31	78.782	61	42	81.303	82	60	78.499	118	83	78.827	163	117	78.827	230
1000	12.5				29			41			50			79			109			153
750	9.4				22			30			41			59			81			115
1500	16.7	90	22	91.272	38	31	91.272	54	42	93.426	73	60	90.205	105	83	91.324	145	117	91.324	204
1000	11.1				26			36			49			70			97			136
750	8.3				19			27			37			52			72			102
1500	15.0	100	22	99.735	35	31	99.735	49	42	99.678	66	60	96.241	94	83	95.963	130	117	95.963	184
1000	10.0				23			32			44			63			87			123
750	7.5				17			24			33			47			65			92
1500	13.4	112	22	115.55	31	31	115.55	43	42	114.54	59	60	110.59	84	83	111.18	116	117	111.18	164
1000	8.9				21			29			39			56			78			109
750	6.7				15			22			29			42			58			82
1500	12.0	125	22	124.74	28	31	124.74	39	42	123.14	53	60	118.9	75	83	119.12	104	117	119.12	147
1000	8.0				18			26			35			50			70			98
750	6.0				14			19			26			38			52			74

P2N
P2S



P2-16			P2-17			P2-18			P2-19			P2-20			P2-21			i_N	n_{2N} (r/min)	n_1 (r/min)
T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)			
160	24.75	995	202	24.75	1256	244	24.958	1517	295	26.622	1834	354	26.622	2201	392	26.622	▮	25	60	1500
		663			837			1012			1223			1468			1625		40	1000
		497			628			759			917			1101			1219		30	750
160	27.09	895	202	27.09	1131	244	27.318	1366	295	29.139	1651	354	29.139	1981	392	29.139	▮	28	54	1500
		597			754			910			1101			1321			1463		36	1000
		448			565			683			825			991			1097		27	750
160	30.068	796	202	30.068	1005	244	30.321	1214	295	32.342	1468	354	32.342	1761	392	32.342	1950	31.5	48	1500
		531			670			809			978			1174			1300		32	1000
		398			502			607			734			881			975		24	750
160	33.987	696	202	33.987	879	244	34.272	1062	295	36.557	1284	354	36.557	1541	392	36.557	1706	35.5	42	1500
		464			586			708			856			1027			1138		28	1000
		348			440			531			642			770			853		21	750
160	39.375	630	202	39.375	796	244	39.706	961	295	42.353	1162	354	42.353	1394	392	42.353	1544	40	38	1500
		415			523			632			764			917			1016		25	1000
		315			398			480			581			697			772		19	750
160	42.318	558	202	42.318	705	244	42.867	852	295	45.725	1030	354	45.725	1236	392	46.357	1368	45	33.3	1500
		372			470			568			686			824			912		22.2	1000
		279			353			426			515			618			684		16.7	750
160	47.833	503	202	47.833	635	244	48.454	766	295	51.684	927	354	51.684	1112	392	52.399	1231	50	30.0	1500
		335			423			511			618			741			821		20.0	1000
		251			317			383			463			556			616		15.0	750
160	55.417	449	202	55.417	567	244	56.136	684	295	59.878	827	354	59.878	993	392	60.706	1099	56	26.8	1500
		299			378			456			552			662			733		17.9	1000
		224			283			342			414			496			550		13.4	750
160	61.438	399	202	61.438	504	244	60.32	608	295	64.341	735	354	64.341	883	392	66.084	977	63	23.8	1500
		266			336			406			490			588			651		15.9	1000
		199			252			304			368			441			489		11.9	750
160	71.178	354	202	71.178	447	244	69.882	540	295	74.541	653	354	74.541	783	392	76.561	867	71	21.1	1500
		236			298			360			435			522			578		14.1	1000
		177			223			270			326			392			434		10.6	750
160	78.788	314	202	78.788	397	244	78.976	479	295	84.841	579	354	84.841	695	392	84.746	770	80	18.8	1500
		209			264			319			386			463			513		12.5	1000
		157			198			240			290			347			385		9.4	750
160	91.278	279	202	91.278	353	244	91.496	426	295	97.596	515	354	97.596	618	392	98.182	684	90	16.7	1500
		186			235			284			343			412			456		11.1	1000
		140			176			213			257			309			342		8.3	750
160	96.594	251	202	96.594	317	244	95.963	383	295	102.36	463	354	102.36	556	392	103.9	616	100	15.0	1500
		168			212			255			309			371			410		10.0	1000
		126			159			192			232			278			308		7.5	750
160	111.91	224	202	111.91	283	244	111.18	342	295	118.59	414	354	118.59	496	392	120.37	550	112	13.4	1500
		150			189			228			276			331			366		8.9	1000
		112			142			171			207			248			275		6.7	750
160	120.59	201	202	120.59	254	244	119.12	307	295	127.06	371	354	127.06	445	392	129.41	493	125	12.0	1500
		134			169			204			247			297			328		8.0	1000
		101			127			153			185			222			246		6.0	750

P

P2N和P2S传动能力表：（i=25～125）

P2N & P2S transmission capacity table : (i=25～125)

n_1 (r/min)	n_{2N} (r/min)	i_N	P2-22			P2-23			P2-24			P2-25			P2-26			P2-27		
			T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)
1500	60				∎			∎			∎			∎			∎			∎
1000	40	25	450	26.622	1866	531	26.872	2172	592	26.872	2454	684	26.872	2863	763	26.872	3163	852	26.622	3532
750	30				1399			1595			1841			2127			2372			2649
1500	54				∎			∎			∎			∎			∎			∎
1000	36	28	450	29.139	1679	531	29.321	1914	592	29.321	2209	684	29.321	2552	763	29.321	2847	852	29.139	3179
750	27				1259			1436			1657			1914			2135			2384
1500	48				2239			2552			2945			3403			3796			4238
1000	32	31.5	450	32.342	1492	531	32.409	1701	592	32.409	1963	684	32.409	2268	763	32.409	2350	852	32.342	2826
750	24				1119			1276			1472			1701			1898			2129
1500	42				1959			2233			2577			2977			3321			3709
1000	28	35.5	450	36.557	1306	531	36.424	1489	592	36.424	1718	684	36.424	1985	763	36.424	2214	852	36.557	2472
750	21				979			1117			1288			1489			1661			1854
1500	38				1772			2020			2331			2694			3005			3355
1000	25	40	450	42.353	1166	531	41.855	1329	592	41.855	1534	684	41.855	1772	763	41.855	1977	852	42.353	2208
750	19				886			1010			1166			1347			1502			1678
1500	33.3				1571			1790			2066			2387			2663			∎
1000	22.2	45	450	46.357	1047	531	45.373	1194	592	45.373	1377	684	45.373	1592	763	45.373	1775	852	46.948	1982
750	16.7				785			895			1033			1194			1332			1487
1500	30.0				1414			1611			1860			2149			2397			∎
1000	20.0	50	450	52.399	942	531	50.993	1074	592	50.993	1240	684	50.993	1432	763	50.993	1598	852	53.067	1784
750	15.0				707			806			930			1074			1198			1338
1500	26.8				1262			1439			1660			1918			2140			∎
1000	17.9	56	450	60.706	841	531	58.597	959	592	58.597	1107	684	58.597	1279	763	58.597	1427	852	61.48	1593
750	13.4				631			719			830			959			1070			1195
1500	23.8				1122			1279			1476			1705			1902			∎
1000	15.9	63	450	66.084	748	531	64.442	853	592	64.442	984	684	64.442	1137	763	64.442	1268	852	66.345	1416
750	11.9				561			639			738			853			951			1062
1500	21.1				995			1135			1310			1513			1688			∎
1000	14.1	71	450	76.561	664	531	74.051	757	592	74.051	873	684	74.051	1009	763	74.051	1125	852	76.863	1256
750	10.6				498			567			655			757			844			942
1500	18.8				883			1007			1162			1343			1498			∎
1000	12.5	80	450	84.746	589	531	82.781	671	592	82.781	775	684	82.781	895	763	82.781	999	852	84.241	1115
750	9.4				442			504			581			671			749			836
1500	16.7				785			895			1033			1194			1332			∎
1000	11.1	90	450	98.182	524	531	95.124	597	592	95.124	689	684	95.124	796	763	95.124	888	852	97.596	991
750	8.3				393			448			517			597			666			743
1500	15.0				707			806			930			1074			1198			∎
1000	10.0	100	450	103.9	471	531	101.6	537	592	101.6	620	684	101.6	716	763	101.6	799	852	102.36	892
750	7.5				353			403			465			537			599			669
1500	13.4				631			719			830			959			1070			∎
1000	8.9	112	450	120.37	421	531	116.75	480	592	116.75	553	684	116.75	639	763	116.75	713	852	118.59	797
750	6.7				316			360			415			480			535			597
1500	12.0				565			645			744			859			959			∎
1000	8.0	125	450	129.41	377	531	125.56	430	592	125.56	496	684	125.56	573	763	125.56	639	852	127.06	714
750	6.0				283			322			372			430			479			535



P2-28			P2-29			P2-30			P2-31			P2-32			P2-33			P2-34			i_N	n_{2N} (r/min)	n_1 (r/min)
T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)			
		▮			▮			▮			▮			▮			▮			▮		60	1500
950	26.622	3938	1060	26.622	4394	1200	26.622	4975	1330	26.872	5514	1500	26.872	6218	1680	26.622	6965	1920	26.622	7960	25	40	1000
		2954			3296			3731			4135			4664			5223			5970		30	750
		▮			▮			▮			▮			▮			▮			▮		54	1500
950	29.139	3544	1060	29.139	3955	1200	29.139	4477	1330	29.321	4962	1500	29.321	5597	1680	29.139	6268	1920	29.139	7164	28	36	1000
		2658			2966			3358			3722			4197			4701			5373		27	750
		4726			5273			5970			6616			7462			8358			9551		48	1500
950	32.342	3151	1060	32.342	3515	1200	32.342	3980	1330	32.409	4411	1500	32.409	4975	1680	32.342	5572	1920	32.342	6368	31.5	32	1000
		2363			2637			2985			3308			3731			4179			4776		24	750
		4135			4614			5223			5789			6529			7313			8358		42	1500
950	36.557	2757	1060	36.557	3076	1200	36.557	3482	1330	36.424	3860	1500	36.424	4353	1680	36.557	4875	1920	36.557	5572	35.5	28	1000
		2068			2307			2612			2895			3265			3656			4179		21	750
		3741			4175			4726			5238			5907			6616			7562		38	1500
950	42.353	2461	1060	42.353	2746	1200	42.353	3109	1330	41.855	3446	1500	41.855	3886	1680	42.353	4353	1920	42.353	4975	40	25	1000
		1871			2087			2363			2619			2954			3308			3781		19	750
		▮			▮			▮			▮			▮			▮			▮		33.3	1500
950	46.948	2210	1060	46.948	2466	1200	46.948	2792	1330	45.575	3095	1500	45.575	3490	1680	45.481	3909	1920	45.481	4467	45	22.2	1000
		1658			1850			2094			2321			2618			2932			3351		16.7	750
		▮			▮			▮			▮			▮			▮			▮		30.0	1500
950	53.067	1989	1060	53.067	2220	1200	53.067	2513	1330	51.221	2785	1500	51.221	3141	1680	51.409	3518	1920	51.409	4021	50	20.0	1000
		1492			1665			1885			2089			2356			2639			3016		15.0	750
		▮			▮			▮			▮			▮			▮			▮		26.8	1500
950	61.48	1776	1060	61.48	1982	1200	61.48	2244	1330	58.858	2487	1500	58.858	2805	1680	59.559	3141	1920	59.559	3590	56	17.9	1000
		1332			1486			1683			1865			2103			2356			2692		13.4	750
		▮			▮			▮			▮			▮			▮			▮		23.8	1500
950	66.345	1579	1060	66.345	1762	1200	66.345	1994	1330	66.102	2210	1500	66.102	2493	1680	66.345	2792	1920	66.345	3191	63	15.9	1000
		1184			1321			1496			1658			1870			2094			2393		11.9	750
		▮			▮			▮			▮			▮			▮			▮		21.1	1500
950	76.863	1401	1060	76.863	1563	1200	76.863	1770	1330	75.958	1961	1500	75.958	2212	1680	76.863	2478	1920	76.863	2831	71	14.1	1000
		1051			1172			1327			1471			1659			1858			2124		10.6	750
		▮			▮			▮			▮			▮			▮			▮		18.8	1500
950	84.241	1243	1060	84.241	1387	1200	84.241	1571	1330	83.932	1741	1500	83.932	1963	1680	84.241	2199	1920	84.241	2513	80	12.5	1000
		933			1041			1178			1306			1472			1649			1885		9.4	750
		▮			▮			▮			▮			▮			▮			▮		16.7	1500
950	97.596	1105	1060	97.596	1233	1200	97.596	1396	1330	96.448	1547	1500	96.448	1745	1680	97.596	1954	1920	97.596	2234	90	11.1	1000
		829			925			1047			1160			1309			1466			1675		8.3	750
		▮			▮			▮			▮			▮			▮			▮		15.0	1500
950	102.36	995	1060	102.36	1110	1200	102.36	1256	1330	104.3	1393	1500	104.3	1571	1680	104.69	1759	1920	104.69	2010	100	10.0	1000
		746			832			942			1044			1178			1319			1508		7.5	750
		▮			▮			▮			▮			▮			▮			▮		13.4	1500
950	118.59	888	1060	118.59	991	1200	118.59	1122	1330	119.96	1243	1500	119.96	1402	1680	121.28	1571	1920	121.28	1795	112	8.9	1000
		666			743			841			933			1052			1178			1346		6.7	750
		▮			▮			▮			▮			▮			▮			▮		12.0	1500
950	127.06	796	1060	127.06	888	1200	127.06	1005	1330	127.56	1114	1500	127.56	1256	1680	129.08	1407	1920	129.08	1608	125	8.0	1000
		597			666			754			836			942			1055			1206		6.0	750

P

P3N和P3S传动能力表：（i=140~900）

P3N & P3S transmission capacity table: (i=140~900)

n_1 (r/min)	n_{2N} (r/min)	i_N	P3-9			P3-10			P3-11			P3-12			P3-13			P3-14		
			T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)
1500	10.7	140	22	146.81	24.8	31	146.81	34.9	42	147.12	47.3	60	142.04	68	83	142.94	94	117	142.94	132
1000	7.1				16.5			23.3			31.5			45			62			88
750	5.4				12.4			17.5			23.7			34			47			66
1500	9.4	160	22	165.95	21.7	31	165.95	30.6	42	165.34	41.4	60	159.64	59	83	161.57	82	117	161.57	115
1000	6.3				14.5			20.4			27.6			39			55			77
750	4.7				10.8			15.3			20.7			30			41			58
1500	8.3	180	22	192.25	19.3	31	192.25	27.2	42	189.99	36.8	60	183.44	53	83	187.19	73	117	187.19	103
1000	5.6				12.9			18.1			24.5			35			48			68
750	4.2				9.6			13.6			18.4			26			36			51
1500	7.5	200	22	210.43	17.3	31	210.43	24.4	42	207.96	33.1	60	200.79	47	83	204.88	65	117	204.88	92
1000	5.0				11.6			16.3			22.1			32			44			62
750	3.8				8.7			12.2			16.6			24			33			46
1500	6.7	225	22	233.57	15.4	31	233.57	21.7	42	230.82	29.4	60	222.86	42	83	227.41	58	117	227.41	82
1000	4.4				10.3			14.5			19.6			28			39			55
750	3.3				7.7			10.9			14.7			21			29			41
1500	6.0	250	22	264.01	13.9	31	364.01	19.6	42	260.9	26.5	60	251.90	38	83	257.04	52	117	257.04	74
1000	4.0				9.3			13.0			17.7			25			35			49
750	3.0				6.9			9.8			13.2			19			26			37
1500	5.4	280	22	305.86	12.4	31	305.86	17.5	42	302.26	23.7	60	291.84	34	83	297.79	47	117	297.79	66
1000	3.6				8.3			11.6			15.8			23			31			44
750	2.7				6.2			8.7			11.8			17			23			33
1500	5.4	280	22	295.21	13.5	31	295.21	17.6	42	295.82	24	60	285.62	34	83	287.42	47	117	287.42	67
1000	3.6				8.3			12			16			23			31			44
750	2.7				6.3			8.8			12			17			24			33
1500	4.8	315	22	333.68	11	31	333.68	16	42	332.46	21	60	320.99	30	83	324.88	42	117	324.88	59
1000	3.2				7.4			10.5			14			20			28			39
750	2.4				5.6			7.8			11			15			21			30
1500	4.2	355	22	386.58	10	31	386.58	14	42	382.03	19	60	368.86	27	83	376.39	37	117	376.39	53
1000	2.8				6.7			9.3			13			18			25			35
750	2.1				5			7			9			13			19			26
1500	3.8	400	22	401.07	8.8	31	401.07	12.4	42	399.60	17	60	385.82	24	83	390.49	33	117	390.49	47
1000	2.5				5.8			8.2			11			16			22			31
750	1.9				4.4			6.2			8			12			17			23
1500	3.3	450	22	464.65	7.8	31	464.65	11	42	459.18	15	60	443.35	21	83	452.4	29	117	452.4	41
1000	2.2				5.2			7.3			10			14			20			28
750	1.7				3.4			5.5			7.4			11			15			21
1500	3.0	500	22	510.01	7	31	510.01	10	42	508.15	13.4	60	490.62	19	83	496.56	26	117	496.56	37
1000	2.0				4.7			6.6			8.9			13			18			25
750	1.5				3.5			5			6.7			10			13			19
1500	2.7	560	22	590.87	6.3	31	590.87	8.8	42	583.92	12	60	563.78	17	83	575.29	24	117	575.29	33
1000	1.8				4.2			6			8			11			16			22
750	1.3				3.1			4.4			6			9			12			17
1500	2.4	630	22	645.65	5.6	31	645.65	7.8	42	643.29	10.6	60	621.11	15	83	628.63	21	117	628.63	30
1000	1.6				3.7			5.2			7			10			14			20
750	1.2				2.8			3.9			5.3			8			10			15
1500	2.1	710	22	748.01	4.5	31	748.01	7	42	739.21	9.4	60	713.72	13	83	728.29	19	117	728.29	26
1000	1.4				3.3			4.5			6.3			9			12			18
750	1.1				2.5			3.5			4.7			7			9			13
1500	1.9	800	22	807.55	4.4	31	807.55	6.2	42	798.04	8.4	60	770.53	12	83	786.25	17	117	786.25	23
1000	1.3				2.9			4.1			5.6			8			11			16
750	0.9				2.2			3.1			4.2			6			8			12
1500	1.7	900	22	935.57	3.4	31	935.57	5.5	42	924.56	7.4	60	892.68	11	83	910.90	15	117	910.90	21
1000	1.1				2.6			3.7			5			7			10			14
750	0.8				1.9			2.7			3.7			5			7			10

P3N
P3S



P3-16			P3-17			P3-18			P3-19			P3-20			P3-21			i_N	n_{2N} (r/min)	n_1 (r/min)
T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)			
160	143.08	180	202	143.08	228	244	142.94	275	295	152.47	332	354	152.47	399	392	152.17	442	140	10.7	1500
		120			152			183			222			266			294		7.1	1000
		90			114			137			166			199			221		5.4	750
160	161.73	158	202	161.73	199	244	161.57	241	295	172.34	291	354	172.34	349	392	172.34	386	160	9.4	1500
		105			133			160			194			233			258		6.3	1000
		79			100			120			145			174			193		4.7	750
160	187.37	140	202	187.37	177	244	187.19	214	295	199.66	258	354	199.66	310	392	199.66	343	180	8.3	1500
		93			118			143			172			207			229		5.6	1000
		70			88			107			129			155			172		4.2	750
160	204.45	126	202	204.45	159	244	204.88	192	295	218.54	233	354	218.54	279	392	218.54	309	200	7.5	1500
		84			106			128			155			186			206		5.0	1000
		63			80			96			116			140			155		3.8	750
160	225.98	112	202	225.98	142	244	227.41	171	295	242.57	207	354	242.57	248	392	242.57	275	225	6.7	1500
		75			94			114			138			165			183		4.4	1000
		56			71			86			103			124			137		3.3	750
160	253.97	101	202	253.97	127	244	257.04	154	295	274.18	186	354	274.18	223	392	274.18	247	250	6.0	1500
		67			85			103			124			149			165		4.0	1000
		50			64			77			93			112			124		3.0	750
160	291.84	90	202	291.84	114	244	297.79	137	295	317.65	166	354	317.65	199	392	317.65	221	280	5.4	1500
		60			76			92			111			133			147		3.6	1000
		45			57			69			83			100			110		2.7	750
160	268.53	91	202	268.53	115	244	283.53	139	295	302.43	168	354	302.43	202	392	302.43	223	280	5.4	1500
		61			77			93			112			134			149		3.6	1000
		46			57			69			84			101			112		2.7	750
160	303.53	81	202	303.53	102	244	320.48	123	295	341.48	149	354	341.48	179	392	341.48	198	315	4.8	1500
		54			68			82			100			119			132		3.2	1000
		40			51			62			75			90			99		2.4	750
160	351.65	72	202	351.65	91	244	371.29	110	295	396.04	132	354	396.04	159	392	396.04	176	355	4.2	1500
		48			60			73			88			106			117		2.8	1000
		36			45			55			66			79			88		2.1	750
160	396.27	64	202	396.27	80	244	388.27	97	295	414.16	118	354	414.16	141	392	414.16	156	400	3.8	1500
		43			54			65			78			94			104		2.5	1000
		32			40			49			59			71			78		1.9	750
160	459.1	57	202	459.1	72	244	449.83	86	295	479.82	104	354	479.82	125	392	479.82	139	450	3.3	1500
		38			48			58			70			84			93		2.2	1000
		28			36			43			52			63			69		1.7	750
160	508.18	51	202	508.18	64	244	510.30	78	295	544.32	94	354	544.32	113	392	544.32	125	500	3.0	1500
		34			43			52			63			75			83		2.0	1000
		26			32			39			47			56			62		1.5	750
160	588.75	46	202	588.75	57	244	591.20	69	295	630.61	84	354	630.61	101	392	630.61	112	560	2.7	1500
		30			38			46			56			67			74		1.8	1000
		23			29			35			42			50			56		1.3	750
160	623.03	40	202	623.03	51	244	621.23	62	295	662.65	75	354	662.65	90	392	662.65	99	630	2.4	1500
		27			34			41			50			60			66		1.6	1000
		20			26			31			37			45			50		1.2	750
160	721.81	36	202	721.81	45	244	719.72	55	295	767.70	66	354	767.70	79	392	767.70	88	710	2.1	1500
		24			30			37			44			53			59		1.4	1000
		18			23			27			33			40			44		1.1	750
160	776.02	32	202	776.02	40	244	771.13	49	295	822.54	59	354	822.54	71	392	822.54	78	800	1.9	1500
		21			27			32			39			47			52		1.3	1000
		16			20			24			29			35			39		0.9	750
160	891.73	28	202	891.73	36	244	893.38	43	295	952.94	52	354	952.94	63	392	952.94	69	900	1.7	1500
		19			24			29			35			42			46		1.1	1000
		14			18			22			26			31			35		0.8	750

P3N
P3S

P

P3N和P3S传动能力表：（i=140～900）

P3N & P3S transmission capacity table:（i=140~900）

n_1 (r/min)	n_{2N} (r/min)	i_N	P3-22			P3-23			P3-24			P3-25			P3-26			P3-27		
			T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)
1500	10.7	140	450	152.17	507	513	152.79	578	592	152.79	667	684	152.79	711	763	152.79	860	852	152.47	▮
1000	7.1				338			385			445			514			573			640
750	5.4				253			289			333			385			430			480
1500	9.4	160	450	172.34	444	513	171.71	506	592	171.71	584	684	171.71	674	763	171.71	752	852	172.34	▮
1000	6.3				296			337			389			450			501			560
750	4.7				222			253			292			337			376			420
1500	8.3	180	450	199.66	394	513	187.32	450	592	187.32	519	684	197.32	599	763	197.32	669	852	199.66	▮
1000	5.6				263			300			346			400			446			498
750	4.2				197			225			259			300			334			373
1500	7.5	200	450	218.54	355	513	215.97	405	592	215.97	467	684	215.97	539	763	215.97	602	852	218.54	▮
1000	5.0				237			270			311			360			401			448
750	3.8				177			202			233			270			301			336
1500	6.7	225	460	242.57	315	513	239.71	360	592	239.71	415	684	239.71	479	763	239.71	535	82	242.57	597
1000	4.4				210			240			277			320			357			398
750	3.3				158			180			207			240			267			299
1500	6.0	250	450	274.18	284	513	270.95	324	592	270.95	373	684	270.95	432	763	270.95	481	852	274.18	538
1000	4.0				189			216			249			288			321			358
750	3.0				142			162			187			216			241			269
1500	5.4	280	450	317.65	253	513	313.91	289	592	313.91	333	684	313.91	385	763	313.91	430	852	317.65	480
1000	3.6				169			193			222			257			287			320
750	2.7				127			144			167			193			215			240
1500	5.4	280	450	302.43	256	513	295.28	292	592	295.28	337	684	295.28	389	763	295.28	434	852	296.01	485
1000	3.6				171			195			225			260			290			323
750	2.7				128			146			168			195			217			242
1500	4.8	315	450	341.48	228	513	331.86	260	592	331.86	300	684	331.86	346	763	331.86	386	852	334.59	431
1000	3.2				152			173			200			231			257			287
750	2.4				114			130			150			173			193			216
1500	4.2	355	450	396.04	202	513	381.34	230	592	381.34	266	684	381.34	307	763	381.34	343	852	387.63	383
1000	2.8				135			154			177			205			228			255
750	2.1				101			115			133			154			171			191
1500	3.8	400	450	414.16	179	513	426.24	204	592	426.24	236	684	426.24	273	763	426.24	304	852	416.52	339
1000	2.5				120			136			157			182			203			226
750	1.9				90			102			118			136			152			170
1500	3.3	450	450	479.82	159	513	489.8	182	592	489.8	210	684	489.8	242	763	489.8	270	852	482.56	302
1000	2.2				106			121			140			162			180			201
750	1.7				80			91			105			121			135			151
1500	3.0	500	450	544.32	143	513	546.62	164	592	546.62	189	684	546.6	218	763	546.6	243	852	545.35	272
1000	2.0				96			109			126			145			162			181
750	1.5				72			82			94			109			122			136
1500	2.7	560	450	630.61	128	513	628.12	146	592	628.12	168	684	628.12	195	763	628.12	217	852	631.81	242
1000	1.8				85			97			112			130			145			162
750	1.3				64			73			84			97			109			121
1500	2.4	630	450	662.65	114	513	670.15	130	592	670.15	150	684	670.15	173	763	670.15	193	852	662.65	216
1000	1.6				76			87			100			115			129			144
750	1.2				57			65			75			87			97			108
1500	2.1	710	450	767.70	101	513	770.08	115	592	770.08	133	684	770.08	154	763	770.08	171	852	767.70	191
1000	1.4				67			77			89			102			114			128
750	1.1				51			58			66			77			86			96
1500	1.9	800	450	822.54	90	513	829.8	102	592	829.8	118	684	829.8	136	763	829.8	152	852	822.54	170
1000	1.3				60			68			79			91			110			113
750	0.9				45			51			59			68			76			85
1500	1.7	900	450	952.94	80	513	961.35	91	592	961.35	105	684	961.35	121	763	961.35	135	852	952.94	151
1000	1.1				53			61			70			81			90			101
750	0.8				40			45			52			61			68			75

P3N
P3S



P3-28			P3-29			P3-30			P3-31			P3-32			P3-33			P3-34			i_N	n_{2N} (r/min)	n_1 (r/min)
T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)			
		▮			▮			▮			▮			▮			▮			▮		10.7	1500
950	152.47	714	1060	152.47	796	1200	152.47	901	1330	152.79	999	1500	152.79	1127	1680	153.90	1262	1920	153.90	1442	140	7.1	1000
		535			597			676			749			845			946			1082		5.4	750
		▮			▮			▮			▮			▮			▮			▮		9.4	1500
950	172.34	624	1060	172.34	697	1200	172.34	789	1330	171.71	874	1500	171.71	986	1680	173.96	1104	1920	173.96	1262	160	6.3	1000
		468			522			591			656			739			828			946		4.7	750
		▮			▮			▮			▮			▮			▮			▮		8.3	1500
950	199.66	555	1060	199.66	619	1200	199.66	701	1330	197.32	777	1500	197.32	876	1680	201.54	981	1920	201.54	1122	180	5.6	1000
		416			464			526			583			657			736			841		4.2	750
		▮			▮			▮			▮			▮			▮			▮		7.5	1500
950	218.54	499	1060	218.54	557	1200	218.54	631	1330	215.97	699	1500	215.97	789	1680	219.91	883	1920	219.91	1009	200	5.0	1000
		375			418			473			524			591			662			757		3.8	750
		666			743			841			932			1051			1178			1346		6.7	1500
950	242.57	444	1060	242.57	495	1200	242.57	561	1330	239.71	622	1500	239.71	701	1680	243.07	785	1920	243.07	897	225	4.4	1000
		333			372			421			466			526			589			673		3.3	750
		599			669			757			839			946			1060			1211		6.0	1500
950	274.18	400	1060	274.18	446	1200	274.18	505	1330	270.95	559	1500	270.95	631	1680	273.18	707	1920	273.18	808	250	4.0	1000
		300			334			379			420			473			530			606		3.0	750
		535			597			676			749			845			946			1082		5.4	1500
950	317.65	357	1060	317.65	398	1200	317.65	451	1330	313.91	499	1500	313.91	563	1680	313.91	631	1920	313.91	721	280	3.6	1000
		268			299			338			375			422			473			541		2.7	750
		541			603			683			757			854			956			1093		5.4	1500
950	296.01	361	1060	296.01	402	1200	296.01	455	1330	300.72	505	1500	300.72	569	1680	292.05	638	1920	292.05	729	280	3.6	1000
		270			302			342			379			427			478			546		2.7	750
		481			536			607			673			759			850			971		4.8	1500
950	334.59	320	1060	334.59	358	1200	334.59	405	1330	337.97	449	1500	337.97	506	1680	330.11	567	1920	330.11	648	315	3.2	1000
		240			268			304			336			379			425			486		2.4	750
		427			476			539			597			673			754			862		4.2	1500
950	387.63	284	1060	387.63	317	1200	387.63	359	1330	388.37	398	1500	388.37	449	1680	382.45	503	1920	382.45	575	355	2.8	1000
		213			238			269			299			337			377			431		2.1	750
		379			422			478			530			598			669			765		3.8	1500
950	416.52	252	1060	416.52	282	1200	416.52	319	1330	426.24	353	1500	426.24	398	1680	417.18	446	1920	417.18	510	400	2.5	1000
		189			211			239			265			299			335			383		1.9	750
		336			375			425			471			531			595			680		3.3	1500
950	482.56	224	1060	482.56	250	1200	482.56	283	1330	489.80	314	1500	489.80	354	1680	483.31	397	1920	483.31	453	450	2.2	1000
		168			188			213			236			266			298			340		1.7	750
		303			338			383			424			478			536			612		3.0	1500
950	545.35	202	1060	545.35	225	1200	545.35	255	1330	546.60	283	1500	546.60	319	1680	535.90	357	1920	535.90	408	500	2.0	1000
		151			169			191			212			239			268			306		1.5	750
		270			302			342			379			427			478			546		2.7	1500
950	631.81	180	1060	631.81	201	1200	631.81	228	1330	628.12	252	1500	628.12	285	1680	620.86	319	1920	620.86	364	560	1.8	1000
		135			151			171			189			213			239			273		1.3	750
		240			268			304			336			379			425			486		2.4	1500
950	662.65	160	1060	662.65	179	1200	662.65	202	1330	670.15	224	1500	670.15	253	1680	657.74	283	1920	657.74	324	630	1.6	1000
		120			134			152			168			190			213			243		1.2	750
		213			238			269			299			337			377			431		2.1	1500
950	767.70	142	1060	767.70	159	1200	767.70	180	1330	770.08	199	1500	770.08	226	1680	762.02	251	1920	762.02	287	710	1.4	1000
		107			119			135			149			168			189			215		1.1	750
		189			211			239			265			299			335			383		1.9	1500
950	822.54	126	1060	822.54	141	1200	822.54	159	1330	827.92	177	1500	827.92	199	1680	819.53	223	1920	819.53	255	800	1.3	1000
		95			106			120			132			149			167			191		0.9	750
		168			188			213			236			266			298			340		1.7	1500
950	952.94	112	1060	952.94	125	1200	952.94	142	1330	959.17	157	1500	959.17	177	1680	941.73	198	1920	941.73	227	900	1.1	1000
		84			94			106			118			133			149			170		0.8	750

P3N
P3S

P

P2L传动能力表：（i=31.5～100）

P2L transmission capacity table: (i=31.5 ~ 100)

n_1 (r/min)	n_{2N} (r/min)	i_N	P2-9			P2-10			P2-11			P2-12			P2-13		
			T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)
1500	47.6	31.5	22	32.5353	111	31	32.5353	156	42	32.8413	212	60	31.7089	302	83	31.6775	418
1000	31.7				74			104			141			202			279
750	23.8				55			78			106			151			209
1500	42.3	35.5	22	35.6114	98	31	35.6114	139	42	35.8344	188	60	34.5987	268	83	34.6723	345
1000	28.2				66			92			125			179			247
750	21.1				49			69			94			134			173
1500	37.5	40	22	39.5264	87	31	39.5264	123	42	39.6083	167	60	38.2424	238	83	38.4842	306
1000	25.0				58			82			111			159			204
750	18.8				44			62			83			119			153
1500	33.3	45	22	43.882	78	31	43.882	109	42	43.4177	148	60	41.9206	212	83	42.1856	293
1000	22.2				52			73			99			141			195
750	16.7				39			55			74			106			146
1500	30.0	50	22	50.4204	70	31	50.4204	98	42	50.5248	133	60	48.7826	191	83	49.0910	264
1000	20.0				47			66			89			127			176
750	15.0				35			49			67			95			132
1500	26.8	56	22	55.7278	62	31	55.7278	88	42	55.8432	119	60	53.9176	170	83	54.2585	235
1000	17.9				42			59			79			113			157
750	13.4				31			44			60			85			118
1500	23.8	63	22	60.4521	55	31	60.4521	78	42	60.5773	106	60	58.4884	151	83	62.3263	209
1000	15.9				37			52			71			101			139
750	11.9				28			39			53			76			105
1500	21.1	71	22	69.6115	49	31	69.6115	69	42	69.7557	94	60	67.3503	134	83	67.7761	186
1000	14.1				33			46			63			89			124
750	10.6				25			35			47			67			93
1500	18.8	80	22	79.0528	44	31	79.0528	62	42	79.9667	83	60	77.2092	119	83	77.6973	165
1000	12.5				29			41			56			79			110
750	9.4				22			31			42			60			82
1500	16.7	90	22	86.2394	39	31	86.2394	55	42	86.418	74	60	83.438	106	83	83.9656	146
1000	11.1				26			36			49			71			98
750	8.3				19			27			37			53			73
1500	15.0	100	22	98.2172	35	31	98.2172	49	42	98.4205	67	60	95.0266	95	83	95.6275	132
1000	10.0				23			33			44			64			88
750	7.5				17			25			33			48			66

P2L



P2-14			P2-16			P2-17			P2-18			P2-19			i_N	n_{2N} (r/min)	n_1 (r/min)
T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)			
117	31.6775	510	160	31.4135	806	202	31.4135	865	244	31.4286	1230	295	33.5237	1487	31.5	47.6	1500
		340			538			577			820			991		31.7	1000
		255			403			433			615			743		23.8	750
117	34.6723	487	160	34.3835	716	202	34.3835	858	244	34.3999	1091	295	36.6933	1319	35.5	42.3	1500
		324			477			572			728			880		28.2	1000
		243			358			429			546			660		21.1	750
117	38.4842	432	160	38.1635	635	202	38.1635	802	244	38.1819	969	295	40.7272	1171	40	37.5	1500
		288			423			535			646			781		25.0	1000
		216			318			401			484			585		18.8	750
117	42.1856	413	160	41.834	565	202	41.834	713	244	43.149	861	295	46.0254	1041	45	33.3	1500
		275			376			475			574			694		22.2	1000
		206			282			356			430			520		16.7	750
117	49.091	372	160	48.6818	508	202	48.6818	641	244	49.091	775	295	52.3636	937	50	30.0	1500
		248			339			428			517			625		20.0	1000
		186			254			321			387			468		15.0	750
117	54.2585	332	160	53.8063	454	202	53.8063	573	244	54.8664	692	295	58.524	836	56	26.8	1500
		221			302			382			461			558		17.9	1000
		166			227			286			346			418		13.4	750
117	62.3263	295	160	61.8069	403	202	61.8069	509	244	62.3263	615	295	66.4812	743	63	23.8	1500
		197			269			339			410			496		15.9	1000
		147			202			255			307			372		11.9	750
117	67.7761	262	160	67.2113	358	202	67.2113	452	244	67.7761	546	295	72.2943	660	71	21.1	1500
		174			239			301			364			440		14.1	1000
		131			179			226			273			330		10.6	750
117	77.6973	232	160	77.0498	318	202	77.0498	401	244	77.6973	484	295	82.8769	585	80	18.8	1500
		155			212			267			323			390		12.5	1000
		116			159			200			242			293		9.4	750
117	83.9656	206	160	83.2658	282	202	83.2658	356	244	83.9656	430	295	89.563	520	90	16.7	1500
		138			188			238			287			347		11.1	1000
		103			141			178			215			260		8.3	750
117	95.6275	186	160	94.8305	254	202	94.8305	321	244	95.6275	387	295	102.0023	468	100	15.0	1500
		124			169			214			258			312		10.0	1000
		93			127			160			194			234		7.5	750

注:[ ]必需采用强制润滑。

Note: [ ] Forced lubrication required.

P2L

P2L传动能力表：（i=31.5～100）　　P2L transmission capacity table:（i=31.5～100）

n_1 (r/min)	n_{2N} (r/min)	i_N	P2-20			P2-21			P2-22			P2-23			P2-24			P2-25		
			T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)
1500	47.6	31.5	354	33.5237	1517	392	33.5237	1976	450	33.5237	2268	513	33.8391	1724	592	33.8391	1989	684	33.8391	2298
1000	31.7				1011			1317			1512			1293			1492			1724
750	23.8				758			988			1134									
1500	42.3	35.5	354	36.6933	1504	392	36.6933	1753	450	36.6933	2013	513	36.9231	1530	592	36.9231	1712	684	36.9231	2040
1000	28.2				1003			1169			1342			1147			1284			1530
750	21.1				752			877			1006									
1500	37.5	40	354	40.7272	1405	392	40.7272	1556	450	40.7272	1786	513	40.8116	1358	592	40.8116	1567	684	40.8116	1810
1000	25.0				937			1037			1191			1018			1175			1358
750	18.8				703			778			883									
1500	33.3	45	354	46.0254	1249	392	46.0254	1383	450	46.0254	1588	513	46.1208	1207	592	46.1208	1393	684	46.1208	1609
1000	22.2				833			922			1059			905			1044			1207
750	16.7				625			692			794									
1500	30.0	50	354	52.3636	1124	392	52.3636	1245	450	52.3636	1429	513	52.472	1086	592	52.472	1253	684	52.1365	1448
1000	20.0				749			830			953			815			940			1086
750	15.0				562			622			714									
1500	26.8	56	354	58.524	1004	392	58.524	1111	450	58.524	1276	513	58.6452	970	592	58.6452	1119	684	58.6452	1293
1000	17.9				669			741			851			727			839			970
750	13.4				502			556			638									
1500	23.8	63	354	66.4812	892	392	66.4812	988	450	66.4812	1134	513	66.6189	862	592	66.6189	995	684	66.6189	1149
1000	15.9				595			659			756			646			746			862
750	11.9				446			494			567									
1500	21.1	71	354	72.2943	792	392	72.2943	877	450	72.2943	1006	513	72.4441	765	592	72.4441	883	684	72.4441	1020
1000	14.1				528			584			671			574			662			765
750	10.6				396			438			503									
1500	18.8	80	354	82.8769	703	392	82.8769	778	450	82.8769	893	513	83.0486	679	592	83.0486	783	684	83.0486	905
1000	12.5				468			519			595			509			587			679
750	9.4				351			389			447									
1500	16.7	90	354	89.563	625	392	89.563	692	450	89.563	794	513	89.7486	603	592	89.7486	696	684	89.7486	804
1000	11.1				416			461			529			453			522			603
750	8.3				312			346			397									
1500	15.0	100	354	102.0023	562	392	102.0023	622	450	102.0023	714	513	102.2136	543	592	102.2136	627	684	102.2136	724
1000	10.0				375			415			476			407			470			543
750	7.5				281			311			357									

注：□必需采用强制润滑。　　Note: □ Forced lubrication required.

P2L



P2-26			P2-27			P2-28			P2-29			P2-30			P2-31 ~ P2-34			i_N	n_{2N} (r/min)	n_1 (r/min)
T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)			
																			47.6	1500
763	33.8391	2564	852	33.5237	2863	950	33.5237	2937	1060	33.5237		1200	33.5237					31.5	31.7	1000
		1923			2147			2203											23.8	750
																			42.3	1500
763	36.9231	2275	852	36.6933	2540	950	36.6933	2833	1060	36.6933		1200	36.6933					35.5	28.2	1000
		1706			1905			2124											21.1	750
																			37.5	1500
763	40.8116	2019	852	40.7272	2255	950	40.7272	2514	1060	40.7272		1200	40.7272					40	25.0	1000
		1514			1691			1885											18.8	750
																			33.3	1500
763	46.1208	1795	852	46.0254	2004	950	46.0254	2235	1060	46.0254		1200	46.0254					45	22.2	1000
		1346			1503			1676			1870			2117				16.7	750
															按客户				30.0	1500
763	52.1365	1615	852	52.0288	1804	950	52.0288	2011	1060	52.0288		1200	52.0288		要求供货			50	20.0	1000
		1211			1353			1508			1683			1905	On request.				15.0	750
																			26.8	1500
763	58.6452	1442	852	58.524	1610	950	58.524	1796	1060	58.524	2004	1200	58.524	2268				56	17.9	1000
		1082			1208			1347			1503			1701					13.4	750
		1923			2147			2394											23.8	1500
763	66.6189	1282	852	66.4812	1432	950	66.4812	1596	1060	66.4812	1781	1200	66.4812	2016				63	15.9	1000
		961			1074			1197			1336			1512					11.9	750
		1706			1905			2124											21.1	1500
763	72.4441	1138	852	72.2943	1270	950	72.2943	1416	1060	72.2943	1580	1200	72.2943	1789				71	14.1	1000
		853			953			1062			1185			1342					10.6	750
		1514			1691			1885											18.8	1500
763	83.0486	1010	852	82.8769	1127	950	82.8769	1257	1060	82.8769	1403	1200	82.8769	1588				80	12.5	1000
		757			845			943			1052			1191					9.4	750
		1346			1503			1676			1870			2117					16.7	1500
763	89.7486	897	852	89.563	1002	950	89.563	1117	1060	89.563	1247	1200	89.563	1411				90	11.1	1000
		673			752			838			935			1059					8.3	750
		1211			1353			1508			1683			1905					15.0	1500
763	102.2136	808	852	102.0023	902	950	102.0023	1006	1060	102.0023	1122	1200	102.0023	1270				100	10.0	1000
		606			676			754			842			953					7.5	750

注：□必需采用强制润滑。

Note: □ Forced lubrication required.

P21

P2K传动能力表： (i=112~560)

P2K transmission capacity table: (i=112~560)

n_1 (r/min)	n_{2N} (r/min)	i_N	P2-9			P2-10			P2-11			P2-12			P2-13			P2-14		
			T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)
1500	13.4	112	22	111.25	30.9	31	111.25	43.6	42	111.83	59.0	60	107.97	84	83	107.97	117	117	107.76	164
1000	8.9				20.6			29.0			39.4			56			78			110
750	6.7				15.5			21.8			29.5			42			58			82
1500	12.0	125	22	125.75	27.7	31	125.75	39.0	42	125.68	52.9	60	121.35	76	83	121.8	105	117	121.8	147
1000	8.0				18.5			26.0			35.3			50			70			98
750	6.0				13.9			19.5			26.4			38			52			74
1500	10.7	140	22	145.69	24.7	31	145.69	34.9	42	144.42	47.2	60	139.44	67	83	141.11	93	117	141.11	132
1000	7.1				16.5			23.2			31.5			45			62			88
750	5.4				12.4			17.4			23.6			34			47			66
1500	9.4	160	22	157.28	21.6	31	157.28	30.5	42	155.27	41.3	60	149.91	59	83	151.19	82	117	151.19	115
1000	6.3				14.4			20.3			27.5			39			54			77
750	4.7				10.8			15.3			20.7			30			41			58
1500	8.3	180	22	175.77	19.2	31	175.77	27.1	42	173.52	36.7	60	167.54	52	83	167.85	73	117	167.85	102
1000	5.6				12.8			18.1			24.5			35			48			68
750	4.2				9.6			13.6			18.4			26			36			51
1500	7.5	200	22	203.53	17.3	31	203.53	24.4	42	200.92	33.1	60	193.99	47	83	192.86	65	117	192.86	92
1000	5.0				11.5			16.3			22.0			31			44			61
750	3.8				8.7			12.2			16.5			24			33			46
1500	6.7	225	22	223.22	15.4	31	223.22	21.7	42	220.36	29.4	60	212.76	42	83	213.16	58	117	213.16	82
1000	4.4				10.3			14.5			19.6			28			39			55
750	3.3				7.7			10.8			14.7			21			29			41
1500	6.0	250	22	242.15	13.9	31	242.15	19.5	42	239.04	26.4	60	230.8	38	83	231.23	52	117	231.23	74
1000	4.0				9.2			13.0			17.6			25			35			49
750	3.0				6.9			9.8			13.2			19			26			37
1500	5.4	280	22	278.84	12.4	31	278.84	17.4	42	275.26	23.6	60	265.77	34	83	266.26	47	117	266.26	66
1000	3.6				8.2			11.6			15.7			22			31			44
750	2.7				6.2			8.7			11.8			17			23			33
1500	4.7	320	22	316.65	10.8	31	316.65	15.3	42	312.6	20.7	60	301.82	30	83	302.38	41	117	302.38	58
1000	3.1				7.2			10.2			13.8			20			76			38
750	2.3				5.4			7.6			10.3			15			20			29
1500	4.2	360	22	345.44	9.6	31	345.44	13.6	42	341.01	18.4	60	329.25	26	83	329.86	36	117	329.86	51
1000	2.8				6.4			9.0			12.2			17			24			34
750	2.1				4.8			6.8			9.2			13			18			26
1500	3.8	400	22	393.42	8.7	31	393.42	12.2	42	388.38	16.5	60	374.98	24	83	375.68	33	117	375.68	46
1000	2.5				5.8			8.1			11.0			16			22			31
750	1.9				4.3			6.1			8.3			12			16			23
1500	3.3	450	22	442.27	7.7	31	442.27	10.8	42	436.6	14.7	60	421.54	21	83	422.33	29	117	422.33	41
1000	2.2				5.1			7.2			9.8			14			19			27
750	1.7				3.8			5.4			7.3			10			15			20
1500	3.0	500	22	487.63	6.9	31	487.63	9.8	42	481.38	13.2	60	464.78	19	83	465.64	26	117	465.64	37
1000	2.0				4.6			6.5			8.8			13			17			25
750	1.5				3.5			4.9			6.6			9			13			18
1500	2.7	560	按客户要求供货 On request																	
1000	1.8																			
750	1.3																			

P2K



P2-16			P2-17			P2-18			P2-19			P2-20			i_N	n_{2N} (r/min)	n_1 (r/min)
T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)			
160	108.47	225	202	108.47	284	244	107.76	343	295	114.94	415	354	114.94	498	112	13.4	1500
		150			189			229			276			332		8.9	1000
		112			142			171			207			249		6.7	750
160	122.6	201	202	122.6	254	244	121.8	307	295	129.92	372	354	129.92	446	125	12.0	1500
		134			170			205			248			297		8.0	1000
		101			127			154			186			223		6.0	750
160	142.04	180	202	1442.04	227	244	141.11	274	295	150.52	332	354	150.52	398	140	10.7	1500
		120			151			183			221			265		7.1	1000
		90			114			137			166			199		5.4	750
160	153.05	157	202	153.05	199	244	151.19	240	295	161.27	290	354	161.27	348	160	9.4	1500
		105			132			160			193			232		6.3	1000
		79			99			120			145			174		4.7	750
160	167.77	140	202	167.77	177	244	165.73	213	295	176.78	258	354	176.78	310	180	8.3	1500
		93			118			142			172			206		5.6	1000
		70			88			107			129			155		4.2	750
160	195.23	126	202	195.23	159	244	192.86	192	295	205.71	232	354	205.71	279	200	7.5	1500
		84			106			128			155			186		5.0	1000
		63			79			96			116			139		3.8	750
160	215.79	112	202	215.79	141	244	213.16	171	295	227.37	206	354	227.37	248	225	6.7	1500
		75			94			114			138			165		4.4	1000
		56			71			85			103			124		3.3	750
160	234.08	101	202	234.08	127	244	244.85	154	295	261.18	186	354	261.18	223	250	6.0	1500
		67			85			102			124			149		4.0	1000
		50			64			77			93			111		3.0	750
160	269.55	90	202	269.55	114	244	266.26	137	295	284.01	166	354	284.01	199	280	5.4	1500
		60			76			91			111			133		3.6	1000
		45			57			69			83			100		2.7	750
160	309	79	202	309	99	244	305.24	120	295	325.59	145	354	325.59	174	320	4.7	1500
		52			66			80			97			116		3.1	1000
		39			50			60			73			87		2.3	750
160	333.93	70	202	333.93	88	244	329.86	107	295	351.86	129	354	351.86	155	360	4.2	1500
		47			59			71			86			103		2.8	1000
		35			44			53			64			77		2.1	750
160	380.31	63	202	380.31	79	244	375.68	96	295	400.72	116	354	400.72	139	400	3.8	1500
		42			53			64			77			93		2.5	1000
		31			40			48			58			70		1.9	750
160	427.53	56	202	427.53	71	244	422.33	85	295	450.48	103	354	450.48	124	450	3.3	1500
		37			47			57			69			83		2.2	1000
		28			35			43			52			62		1.7	750
160	471.38	50	202	471.38	64	244	465.64	77	295	496.68	93	354	496.68	111	500	3.0	1500
		34			42			51			62			74		2.0	1000
		25			32			38			46			56		1.5	750
按客户要求供货 On request															560	2.7	1500
																1.8	1000
																1.3	750

P2K

P3K传动能力表：（i=560～4000）

P3K transmission capacity table:（i=560～4000）

n_1 (r/min)	n_{2N} (r/min)	i_N	P3-9			P3-10			P3-11			P3-12			P3-13		
			T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)
1500	2.68	560	22	566.22	6.3	31	566.22	9	42	567.4	12	60	547.83	17	83	551.29	24
1000	1.79				4.2			6			8			11			16
750	1.34				3.1			4.4			6			9			12
1500	2.38	630	22	640.02	5.6	31	640.02	7.8	42	637.68	11	60	615.69	15	83	623.14	21
1000	1.59				3.7			5.2			7			10			14
750	1.19				2.8			3.9			5			8			11
1500	2.11	710	22	700.53	5.0	31	700.53	7	42	697.96	9	60	673.9	14	83	682.06	19
1000	1.41				3.3			4.5			6			9			12
750	1.06				2.5			3.5			5			7			9
1500	1.88	800	22	777.54	4.4	31	777.54	6	42	774.7	8	60	747.98	12	83	757.04	17
1000	1.25				2.9			4			6			8			11
750	0.94				2.2			3			4			6			8
1500	1.67	900	22	878.88	3.9	31	878.88	5.5	42	875.66	7.5	60	845.46	11	83	855.70	15
1000	1.11				2.6			3.7			5			7			10
750	0.83				2.0			2.7			3.7			5			7
1500	1.50	1000	22	982.19	3.5	31	982.19	5	42	978.6	6.7	60	944.85	10	83	956.3	13
1000	1.00				2.3			3.3			4.5			6			9
750	0.75				1.8			2.5			3.4			5			7
1500	1.34	1120	22	1137.3	3.1	31	1137.3	4.4	42	1133.1	6	60	1094	9	83	1107.3	12
1000	0.89				2.1			2.9			4			6			8
750	0.67				1.6			2.2			3			4.5			6
1500	1.20	1250	22	1247.3	2.8	31	1247.3	4.0	42	1242.8	5.4	60	1199.9	8	83	1214.4	11
1000	0.80				1.9			2.6			3.6			5			7
750	0.60				1.4			2.0			2.7			4			5
1500	1.07	1400	22	1351.1	2.5	31	1351.1	3.5	42	1348.1	4.8	60	1301.6	7	83	1317.4	4.9
1000	0.71				1.7			2.4			3.2			5			6
750	0.54				1.3			1.8			2.4			3.5			4.5
1500	0.94	1600	22	1558.1	2.2	31	1558.1	3.1	42	1552.4	4.2	60	1498.9	6	83	1517	8
1000	0.63				1.5			2.1			2.8			4			6
750	0.47				1.1			1.5			2.1			3			4
1500	0.83	1800	22	1769.4	2.0	31	1769.4	2.8	42	1762.9	3.7	60	1702.1	5	83	1722.8	7
1000	0.56				1.3			1.8			2.5			4			5
750	0.42				1.0			1.4			1.9			2.7			3.7
1500	0.75	2000	22	1930.3	1.8	31	1930.3	2.5	42	1923.2	3.4	60	1856.9	4.8	83	1879.4	6.6
1000	0.50				1.2			1.7			2.2			3.2			4.4
750	0.38				0.9			1.2			1.7			2.4			3.3
1500	0.67	2240	22	2198.4	1.6	31	2198.4	2.2	42	2190.3	3.0	60	2114.8	4.3	83	2140.4	5.9
1000	0.45				1.0			1.5			2.0			2.9			3.9
750	0.33				0.8			1.1			1.5			2.1			3.0
1500	0.60	2500	22	2471.3	1.4	31	2471.3	2.0	42	2462.3	2.7	60	2377.4	3.8	83	2406.1	5.3
1000	0.40				0.9			1.3			1.8			2.6			3.5
750	0.30				0.7			1.0			1.3			1.9			2.7
1500	0.54	2800	22	2724.8	1.3	31	2724.8	1.8	42	2714.8	2.4	60	2621.2	3.4	83	2652.9	4.7
1000	0.36				0.8			1.2			1.6			2.3			3.2
750	0.27				0.6			0.9			1.2			1.7			2.4
1500	0.48	3150	22	3105	1.1	31	3104.9	1.6	42	3093.6	2.1	60	2986.9	3.0	83	3023.1	4.2
1000	0.32				0.7			1.0			1.4			2.0			2.8
750	0.24				0.6			0.8			1.1			1.5			2.1
1500	0.42	3550	22	3597.2	1.0	31	3597.2	1.4	42	3584.1	1.9	60	3460.5	2.7	83	3502.4	3.7
1000	0.28				0.7			0.9			1.3			1.8			2.5
750	0.21				0.5			0.7			0.9			1.4			1.9
1500	0.38	4000	22	4167.5	0.9	31	4167.5	1.2	42	4118.5	1.7	60	3976.5	2.4	83	4057.6	3.3
1000	0.25				0.6			0.8			1.1			1.6			4.2
750	0.19				0.4			0.6			0.8			1.2			1.7

P3K



P3-14			P3-16			P3-17			P3-18			P3-19			i_N	n_{2N} (r/min)	n_1 (r/min)
T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)			
117	551.29	33	160	551.25	46	202	551.25	58	244	544.28	70	295	580.56	84	560	2.68	1500
		22			30			38			46			56		1.79	1000
		17			23			29			35			42		1.34	750
117	623.14	30	160	623.09	41	202	623.09	51	244	615.21	62	295	656.22	75	630	2.38	1500
		20			27			34			41			50		1.59	1000
		15			20			26			31			37		1.19	750
117	682.06	26	160	679.88	36	202	679.88	45	244	673.37	55	295	718.27	66	710	2.11	1500
		18			24			30			37			44		1.41	1000
		13			18			23			27			33		1.06	750
117	757.04	23	160	751.48	32	202	751.48	40	244	747.4	49	295	797.23	59	800	1.88	1500
		16			21			27			32			39		1.25	1000
		12			16			20			24			29		0.94	750
117	855.70	21	160	844.56	28	202	844.56	36	244	844.81	43	295	901.13	52	900	1.67	1500
		14			19			24			29			35		1.11	1000
		10			14			18			22			26		0.83	750
117	956.3	19	160	943.84	26	202	943.84	32	244	937.9	39	295	1000.4	47	1000	1.50	1500
		12			17			22			26			31		1.00	1000
		9			13			16			19			24		0.75	750
117	1107.3	17	160	1092.4	23	202	1092.9	29	244	1077.6	35	295	1149.5	42	1120	1.34	1500
		11			15			19			23			28		0.89	1000
		8			11			14			17			21		0.67	750
117	1214.4	15	160	1198.6	20	202	1198.6	26	244	1191.1	31	295	1270.5	38	1250	1.20	1500
		10			14			17			21			25		0.80	1000
		7			10			13			16			19		0.60	750
117	1317.4	13	160	1300.2	18	202	1300.2	23	244	1292.1	28	295	1378.2	34	1400	1.07	1500
		9			12			15			19			22		0.71	1000
		7			9			12			14			17		0.54	750
117	1517	12	160	1497.3	16	202	1497.3	20	244	1487.8	24	295	1587	29	1600	0.94	1500
		8			11			13			16			20		0.63	1000
		6			8			10			12			15		0.47	750
117	1722.8	10	160	1700.3	14	202	1700.3	18	244	1689.6	22	295	1802.3	26	1800	0.83	1500
		7			9			12			14			17		0.56	1000
		5.2			7.1			9			11			13		0.42	750
117	1879.4	9.4	160	1854.9	12.8	202	1854.9	16	244	1843.2	19	295	1966.1	24	2000	0.75	1500
		6.2			8.5			11			13			16		0.50	1000
		4.7			6.4			8			10			12		0.38	750
117	2140.4	8.3	160	2112.5	11.4	202	2112.5	14	244	2099.2	17	295	2239.2	21	2240	0.67	1500
		5.6			7.6			10			12			14		0.45	1000
		4.2			5.7			7.2			8.7			10.5		0.33	750
117	2406.1	7.5	160	2374.8	10.2	202	2374.8	12.9	244	2359.9	16	295	2517.2	19	2500	0.60	1500
		5.0			6.8			8.6			10.4			12.6		0.40	1000
		3.7			5.1			6.5			7.8			9.4		0.30	750
117	2652.9	6.7	160	2618.4	9.1	202	2618.4	12	244	2601.9	14	295	2775.4	17	2800	0.54	1500
		4.5			6.1			7.7			9.3			11.2		0.36	1000
		3.3			4.6			5.8			7.0			8.4		0.27	750
117	3023.1	5.9	160	2983.8	8.1	202	2983.8	10.2	244	2965	12	295	3162.6	15	3150	0.48	1500
		4.0			5.4			6.8			8.3			10		0.32	1000
		3.0			4.1			5.1			6.2			7.5		0.24	750
117	3502.4	5.3	160	3428.7	7.2	202	3428.7	9.1	244	3435	11	295	3664	13	3550	0.42	1500
		3.5			4.8			6.1			7.3			8.9		0.28	1000
		2.6			3.6			4.5			5.5			6.6		0.21	750
117	4057.6	4.7	160	3972.2	6.4	202	3972.2	8.1	244	3979.6	9.7	295	4244.9	12	4000	0.38	1500
		3.1			4.3			5.4			6.5			7.9		0.25	1000
		2.3			3.2			4.0			4.9			5.9		0.19	750

P

P3K传动能力表：（i=560～4000）

P3K transmission capacity table:（i=560～4000）

n_1 (r/min)	n_{2N} (r/min)	i_N	P3-20			P3-21			P3-22			P3-23			P3-24			P3-25		
			T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)
1500	2.68	560	354	580.56	101	392	580.56	112	450	580.56	128	513	593.88	146	592	593.88	169	684	593.88	195
1000	1.79				67			75			86			98			113			130
750	1.34				51			56			64			73			84			98
1500	2.38	630	354	656.22	90	392	656.22	99	450	656.22	114	513	667.44	130	592	667.44	150	684	667.44	174
1000	1.59				60			66			76			87			100			116
750	1.19				45			50			57			65			75			87
1500	2.11	710	354	718.27	80	392	718.27	88	450	718.27	101	513	730.55	115	592	730.55	133	684	730.55	154
1000	1.41				53			59			68			77			89			103
750	1.06				40			44			51			58			67			77
1500	1.88	800	354	797.23	71	392	797.23	78	450	797.23	90	513	810.87	102	592	810.87	118	684	810.87	137
1000	1.25				47			52			60			68			79			91
750	0.94				35			39			45			51			59			68
1500	1.67	900	354	901.13	63	392	901.13	70	450	901.13	80	513	916.54	91	592	916.54	105	684	916.54	121
1000	1.11				42			46			53			61			70			81
750	0.83				31			35			40			46			53			61
1500	1.50	1000	354	1000.4	57	392	1000.4	63	450	1000.4	72	513	1004.7	82	592	1004.7	95	684	1004.7	109
1000	1.00				38			42			48			55			63			73
750	0.75				28			31			36			41			47			55
1500	1.34	1120	354	1149.5	51	392	1149.5	56	450	1149.5	64	513	1169.1	73	592	1169.1	84	684	1169.1	98
1000	0.89				34			37			43			49			56			65
750	0.67				25			28			32			37			42			49
1500	1.20	1250	354	1270.5	45	392	1270.5	50	450	1270.5	58	513	1292.2	66	592	1292.2	76	684	1992.2	87
1000	0.80				30			33			38			44			50			58
750	0.60				23			25			29			33			38			44
1500	1.07	1400	354	1378.2	40	392	1378.2	45	450	1378.2	51	513	1401.8	59	592	1401.8	68	684	1401.8	78
1000	0.71				27			30			34			39			45			52
750	0.54				20			22			26			29			34			39
1500	0.94	1600	354	1587	35	392	1587	39	450	1587	45	513	1614.2	51	592	1614.2	59	684	1614.2	68
1000	0.63				24			26			30			34			39			46
750	0.47				18			20			22			26			30			34
1500	0.83	1800	354	1802.3	31	392	1802.3	35	450	1802.3	40	513	1850.4	46	592	1850.4	53	684	1850.4	61
1000	0.56				21			23			27			30			35			40
750	0.42				16			17			20			23			26			30
1500	0.75	2000	354	1966.1	28	392	1966.1	31	450	1966.1	36	513	1999.7	41	592	1999.7	47	684	1999.7	55
1000	0.50				19			21			24			27			32			36
750	0.38				14			16			18			20			24			27
1500	0.67	2240	354	2239.2	25	392	2239.2	28	450	2239.2	32	513	2277.5	37	592	2277.5	42	684	2277.5	49
1000	0.45				17			19			21			24			28			33
750	0.33				12.6			14			16			18			21			24
1500	0.60	2500	354	2517.2	23	392	2517.2	25	450	2517.2	29	513	2560.2	33	592	2560.2	38	684	2560.2	44
1000	0.40				15.1			17			19			22			25			29
750	0.30				11.3			13			14			16			19			22
1500	0.54	2800	354	2775.4	20	392	2775.4	22	450	2775.4	26	513	2822.8	29	592	2822.8	34	684	2822.8	39
1000	0.36				13.5			15			17			20			23			26
750	0.27				10.1			11.2			13			15			17			20
1500	0.48	3150	354	3162.6	18	392	3162.6	20	450	3162.6	23	513	3216.7	26	592	3216.7	30	684	3216.7	35
1000	0.32				12			13.3			15			17			20			23
750	0.24				9			9.9			11			13			15			17
1500	0.42	3550	354	3664	16	392	3664	18	450	3664	20	513	3726.7	23	592	3726.7	27	684	3726.7	31
1000	0.28				10.6			11.8			14			15			18			21
750	0.21				8			8.8			10			12			13			15
1500	0.38	4000	354	4244.9	14	392	4244.9	16	450	4244.9	18	513	4282.4	20	592	4282.4	24	684	4282.4	27
1000	0.25				9.4			10.4			12			14			16			18
750	0.19				7.1			7.8			9			10			12			14

P3K



P3-26			P3-27			P3-28			P3-29			P3-30			P3-31~P3-34			i_N	n_{2N} (r/min)	n_1 (r/min)
T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)	T_{2N} (kN·m)	iex	P_{1N} (kW)			
		218			243			271			303			342					2.68	1500
763	593.88	145	852	580.56	162	950	580.56	181	1060	580.56	202	1200	580.56	228				560	1.79	1000
		109			122			136			151			171					1.34	750
		194			216			241			269			304					2.38	1500
763	667.44	129	852	656.22	144	950	656.22	161	1060	656.22	179	1200	656.22	203				630	1.59	1000
		97			108			121			134			152					1.19	750
		172			192			214			239			270					2.11	1500
763	730.55	115	852	718.27	128	950	718.27	143	1060	718.27	159	1200	718.27	180				710	1.41	1000
		86			96			107			119			135					1.06	750
		152			170			190			212			240					1.88	1500
763	810.87	102	852	797.23	113	950	797.23	127	1060	797.23	141	1200	797.23	160				800	1.25	1000
		76			85			95			106			120					0.94	750
		136			151			169			188			213					1.67	1500
763	916.54	90	852	901.13	101	950	901.13	112	1060	901.13	125	1200	901.13	142				900	1.11	1000
		68			76			84			94			107					0.83	750
		122			136			152			169			192					1.50	1500
763	1004.7	81	852	987.8	91	950	987.8	101	1060	987.8	113	1200	987.8	128				1000	1.00	1000
		61			68			76			85			95					0.75	750
		109			122			136			151			171					1.34	1500
763	1169.1	73	852	1149.5	81	950	1149.5	90	1060	1149.5	101	1200	1149.5	114				1120	0.89	1000
		54			61			68			76			86					0.67	750
		98			109			121			136			153					1.20	1500
763	1992.2	65	852	1270.5	73	950	1270.5	81	1060	1270.5	90	1200	1270.5	103				1250	0.80	1000
		49			54			61			68			77					0.60	750
		87			97			108			121			137	按客户				1.07	1500
763	1401.8	58	852	1459.4	65	950	1459.4	72	1060	1459.4	81	1200	1459.4	91	要求供货			1400	0.71	1000
		44			49			54			61			68					0.54	750
		76			85			95			106			120					0.94	1500
763	1614.2	51	852	1587	57	950	1587	63	1060	1587	71	1200	1587	80	On request.			1600	0.63	1000
		38			43			47			53			60					0.47	750
		68			76			84			94			107					0.83	1500
763	1850.4	45	852	1819.3	50	950	1819.3	56	1060	1819.3	63	1200	1819.3	71				1800	0.56	1000
		34			38			42			47			53					0.42	750
		61			68			76			85			96					0.75	1500
763	1999.7	41	852	1966.1	45	950	1966.1	51	1060	1966.1	56	1200	1966.1	64				2000	0.50	1000
		30			34			38			42			48					0.38	750
		54			61			68			76			86					0.67	1500
763	2277.5	36	852	2239.2	41	950	2239.2	45	1060	2239.2	50	1200	2239.2	57				2240	0.45	1000
		27			30			34			38			43					0.33	750
		49			54			61			68			77					0.60	1500
763	2560.2	33	852	2517.2	36	950	2517.2	40	1060	2517.2	45	1200	2517.2	51				2500	0.40	1000
		24			27			30			34			38					0.30	750
		44			49			54			61			68					0.54	1500
763	2822.8	29	852	2775.4	32	950	2775.4	36	1060	2775.4	40	1200	2775.4	46				2800	0.36	1000
		22			24			27			30			34					0.27	750
		39			43			48			54			61					0.48	1500
763	3216.7	26	852	3162.6	29	950	3162.6	32	1060	3162.6	36	1200	3162.6	41				3150	0.32	1000
		19			22			24			27			30					0.24	750
		34			38			43			48			54					0.42	1500
763	3726.7	23	852	3664	26	950	3664	29	1060	3664	32	1200	3664	36				3550	0.28	1000
		17			19			21			24			27					0.21	750
		30			34			38			42			48					0.38	1500
763	4282.4	20	852	4244.9	23	950	4244.9	25	1060	4244.9	28	1200	4244.9	32				4000	0.25	1000
		15			17			19			21			24					0.19	750

P

P2N.热容量(卧式安装):

P2N. Thermal capacities (Horizontal mounting position):

机座号 Type / 风速 Wind velocity / PG1	9	10	11	12	13	14	16	17	18	19/20	21/22	23/24	25/26	27/28	29/30	31/32	33/34
狭小空间安装风速≥0.5m/s Small confined spaces Wind velocity ≥ 0.5 m/s	21	26	32	42	49	65	75	92	100	119	142	174	201	242	287	326	366
大厅或大车间安装 风速≥1.4m/s Large halls, workshops Wind velocity ≥ 1.4m/s	29	37	45	60	69	92	106	130	147	169	201	246	285	343	406	462	519
室外安装 风速≥3.7m/s In the open Wind velocity ≥ 3.7m/s	39	50	60	80	93	125	143	175	191	228	272	333	386	464	505	626	702

P2S.热容量(卧式安装):

P2S. Thermal capacities (Horizontal mounting position):

机座号 Type / 风速 Wind velocity / PG1	9	10	11	12	13	14	16	17	18	19/20	21/22	23/24	25/26	27/28	29/30	31/32	33/34
狭小空间安装风速≥0.5m/s Small confined spaces Wind velocity ≥ 0.5 m/s	15	20	24	32	36	49	56	69	75	89	106	130	151	182	215	245	275
大厅或大车间安装 风速≥1.4m/s Large halls, workshops Wind velocity ≥ 1.4m/s	22	28	34	45	52	69	79	97	106	127	151	185	214	257	305	347	389
室外安装 风速≥3.7m/s In the open Wind velocity ≥ 3.7m/s	29	38	45	60	70	94	107	132	143	171	204	250	289	348	412	469	527

P3N.热容量(卧式安装):

P3N. Thermal capacities (Horizontal mounting position):

机座号 Type / 风速 Wind velocity / PG1	9	10	11	12	13	14	16	17	18	19/20	21/22	23/24	25/26	27/28	29/30	31/32	33/34
狭小空间安装风速≥0.5m/s Small confined spaces Wind velocity ≥ 0.5 m/s	14	18	22	29	34	46	52	64	70	83	99	121	141	169	200	228	256
大厅或大车间安装 风速≥1.4m/s Large halls, workshops Wind velocity ≥ 1.4m/s	20	26	31	41	48	64	74	91	99	118	140	172	199	240	284	323	362
室外安装 风速≥3.7m/s In the open Wind velocity ≥ 3.7m/s	28	35	42	56	65	87	100	123	133	159	190	233	269	324	384	437	490

P3S.热容量(卧式安装):

P3S. Thermal capacities (Horizontal mounting position):

机座号 Type / 风速 Wind velocity / PG1	9	10	11	12	13	14	16	17	18	19/20	21/22	23/24	25/26	27/28	29/30	31/32	33/34
狭小空间安装风速≥0.5m/s Small confined spaces Wind velocity ≥ 0.5 m/s	12	15	18	24	28	40	43	53	57	69	82	100	116	139	165	188	211
大厅或大车间安装 风速≥1.4m/s Large halls, workshops Wind velocity ≥ 1.4m/s	17	21	26	34	40	53	61	75	81	97	116	142	164	197	234	266	298
室外安装 风速≥3.7m/s In the open Wind velocity ≥ 3.7m/s	23	29	35	46	54	72	82	101	110	131	156	192	222	267	316	360	404

注：以上表格数据均为卧式热容量，其它安装形式请来电咨询。

Note: Values apply to horizontal mounting position. For other mounting positions please refer to us.



P2L.热容量(卧式安装):

P2L. Thermal capacities (Horizontal mounting position):

机座号 Type / 风速 Wind velocity / PG1	9	10	11	12	13	14	16	17	18	19/20	21/22	23/24	25/26	27/28	29/30	31~34
狭小空间安装风速≥0.5m/s Small confined spaces Wind velocity ≥ 0.5 m/s	14	18	22	29	34	46	52	64	70	83	99	121	141	169	200	按客户要求供货 On request.
大厅或大车间安装 风速≥1.4m/s Large halls, workshops Wind velocity ≥ 1.4m/s	20	26	31	41	48	64	74	91	99	118	140	172	199	240	284	
室外安装 风速≥3.7m/s In the open Wind velocity ≥ 3.7m/s	28	35	42	56	65	87	100	123	133	159	190	233	269	324	384	

P2K.热容量(卧式安装):

P2K. Thermal capacities (Horizontal mounting position):

机座号 Type / 风速 Wind velocity / PG1	9	10	11	12	13	14	16	17	18	19/20
狭小空间安装风速≥0.5m/s Small confined spaces Wind velocity ≥ 0.5 m/s	12	15	18	24	28	38	44	53	58	69
大厅或大车间安装 风速≥1.4m/s Large halls, workshops Wind velocity ≥ 1.4m/s	17	22	26	35	40	54	62	76	82	98
室外安装 风速≥3.7m/s In the open Wind velocity ≥ 3.7m/s	23	29	35	47	54	73	83	102	111	133

P3K.热容量(卧式安装):

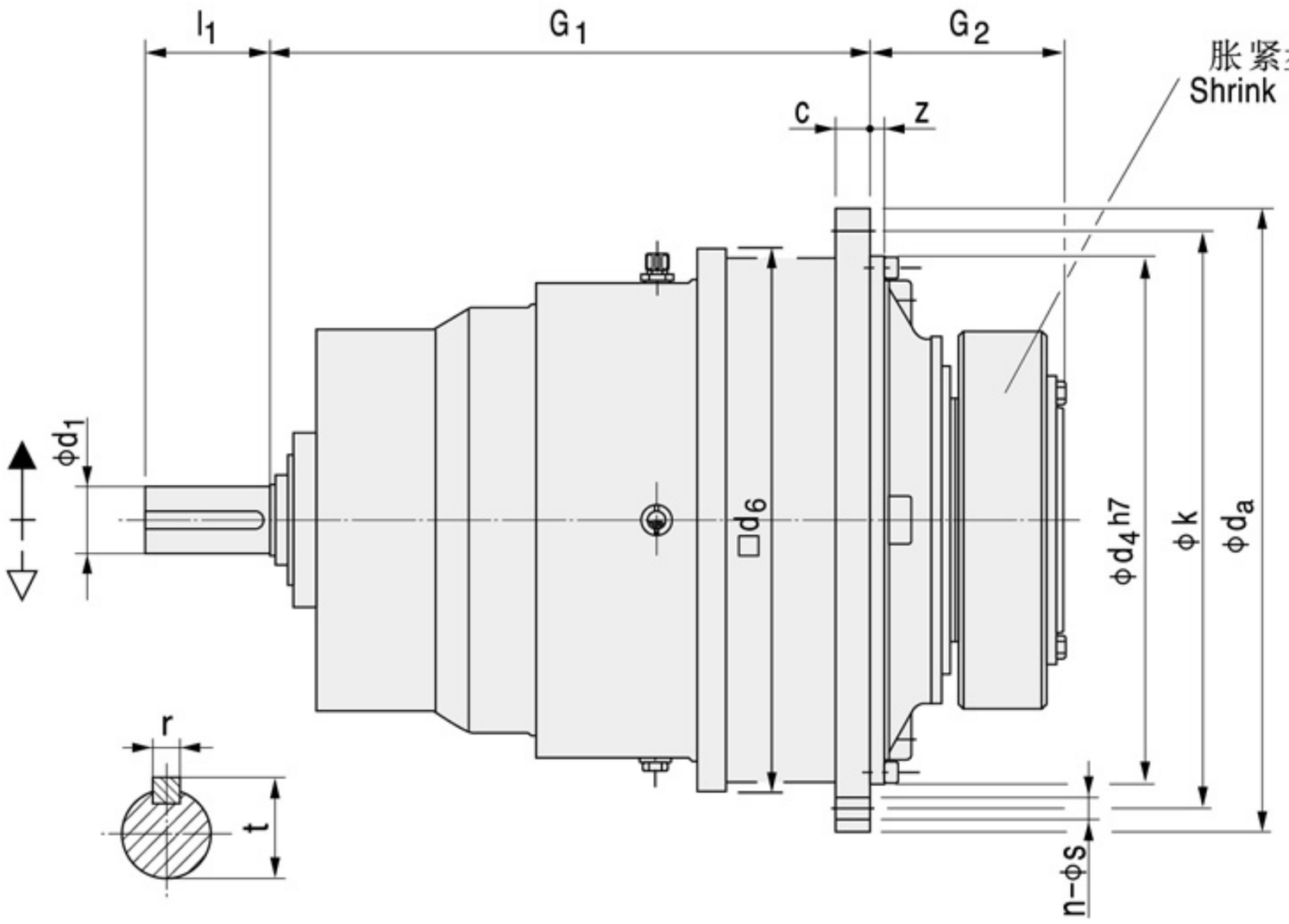
P3K. Thermal capacities (Horizontal mounting position):

机座号 Type / 风速 Wind velocity / PG1	9	10	11	12	13	14	16	17	18	19/20	21/22	23/24	25/26	27/28	29/30	31~34
狭小空间安装风速≥0.5m/s Small confined spaces Wind velocity ≥ 0.5 m/s	10	12	15	20	23	31	35	43	47	56	67	82	95	109	125	按客户要求供货 On request.
大厅或大车间安装 风速≥1.4m/s Large halls, workshops Wind velocity ≥ 1.4m/s	14	17	21	28	33	44	50	61	66	79	95	116	106	125	144	
室外安装 风速≥3.7m/s In the open Wind velocity ≥ 3.7m/s	19	24	28	38	44	59	67	83	90	107	128	157	166	195	225	

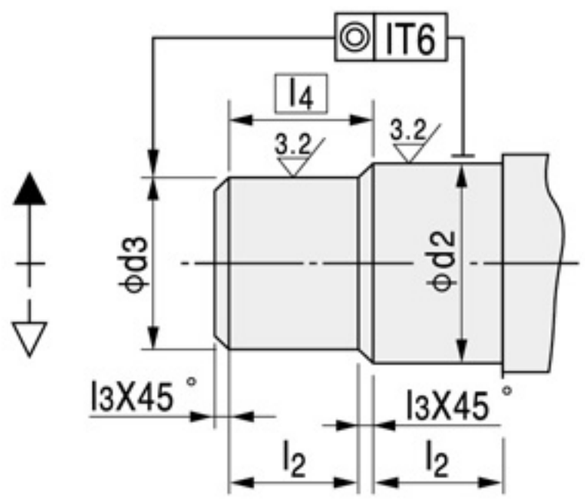
注：以上表格数据均为卧式热容量，其它安装形式请来电咨询。

Note: Values apply to horizontal mounting position. For other mounting positions please refer to us.

P2NA　　iN = 25 ... 40



工作机连接轴
Shaft end of driven machine

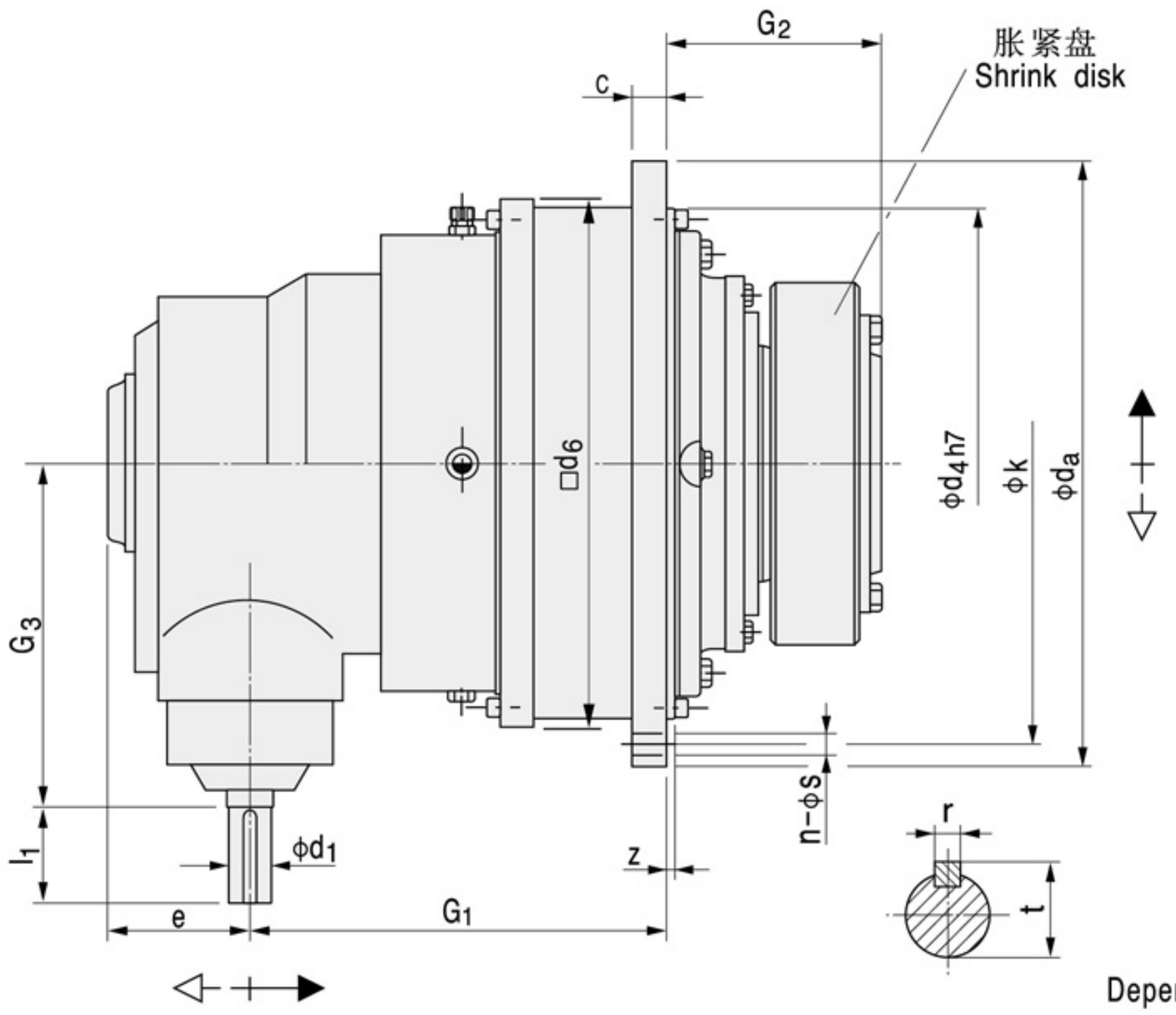


P2NA 机座号 Type	额定输出扭矩 Nominal output touque T2N (N·m)	输入轴尺寸 Shaft end input side				d2	d3	l2	l3	l4	c	da	d4	d6	G1	G2	k	z	法兰孔尺寸 Flange bolts		重量 Weight (kg)	油量 Oil quantity (l)
		d1	l1	r	t														s	n		
9	22 000	55	90	16	59	120	115	65	2.5	67.5	24	428	350	356	469	165	388	6±1.5	18	24	240	6
10	31 000	55	90	16	59	130	125	70	2.5	72.5	28	472	394	400	489	174	436	8±1.5	18	28	290	8
11	42 000	70	120	20	74.5	140	135	82.5	2.5	85.0	32	525	425	436	579	204	485	8±1.5	22	20	350	12
12	60 000	70	120	20	74.5	160	155	90	2.5	92.5	34	605	495	510	593	224	555	9±1.5	26	20	490	16
13	83 000	80	140	25	85	180	175	95	2.5	97.5	39	645	535	554	714	241	595	11±1.5	26	24	590	20
14	117 000	80	140	25	85	210	205	105	2.5	107.5	42	720	610	629	737	278	665	9	26	32	820	32
16	160 000	95	160	25	100	230	225	110	2.5	112.5	44	770	660	680	851	285	715	10	26	36	1 030	40
17	202 000	95	160	25	100	250	245	120	2.5	122.5	50	895	750	775	877	294	830	10	33	24	1 500	56
18	244 000	110	180	28	116	260	255	120	2.5	122.5	50	930	785	815	1006	303	865	10	33	32	1 900	66
19	295 000	110	180	28	116	280	275	135	2.5	137.5	56	980	840	870	1029.5	327.5	915	12	33	36	2 000	82
20	354 000	110	180	28	116	300	295	135	2.5	137.5	56	980	840	870	1029.5	327.5	915	12	33	36	2 100	75
21	392 000	120	210	32	127	310	305	152	2.5	154.5	62	1115	935	960	1046	354	1025	24	39	32	2 650	110
22	450 000	120	210	32	127	330	325	152	2.5	154.5	62	1115	935	960	1046	354	1025	24	39	32	2 800	95
23	513 000	130	210	32	137	350	345	164	2.5	166.5	68	1210	1025	1056	1150	380	1120	28	39	36	3 450	150
24	592 000	130	210	32	137	360	355	164	2.5	166.5	68	1210	1025	1056	1150	380	1120	28	39	36	3 900	125
25	684 000	140	240	36	148	380	375	180	2.5	182.5	74	1320	1115	1150	1241	407	1220	29	45	36	4 750	190
26	763 000	140	240	36	148	400	395	180	2.5	182.5	74	1320	1115	1150	1241	407	1220	29	45	36	5 150	160
27	852 000	150	240	36	158	430	425	191	2.5	193.5	81	1460	1215	1248	1379	453	1345	31	52	32	6 100	245
28	950 000	150	240	36	158	450	445	191	2.5	193.5	81	1460	1215	1248	1379	453	1345	31	52	32	6 550	205
29	1 060 000	160	270	40	169	460	450	197.5	5	202.5	87	1565	1320	1355	1457	483	1450	34	52	36	7 800	305
30	1 200 000	160	270	40	169	480	470	197.5	5	202.5	87	1565	1320	1355	1457	483	1450	34	52	36	8 300	255
31	1 330 000	170	270	40	179	480	470	232	5	237.0	94	1665	1400	1443	1607	538	1545	36	62	32	10 200	380
32	1 500 000	170	270	40	179	510	500	232	5	237.0	94	1665	1400	1443	1607	538	1545	36	62	32	10 700	315
33	1 680 000	180	310	40	179	530	520	242	5	247.0	100	1755	1495	1536	1683	573	1635	36	62	36	12 350	460
34	1 920 000	180	310	45	190	570	560	242	5	247.0	100	1755	1495	1536	1683	573	1635	36	62	36	13 150	380

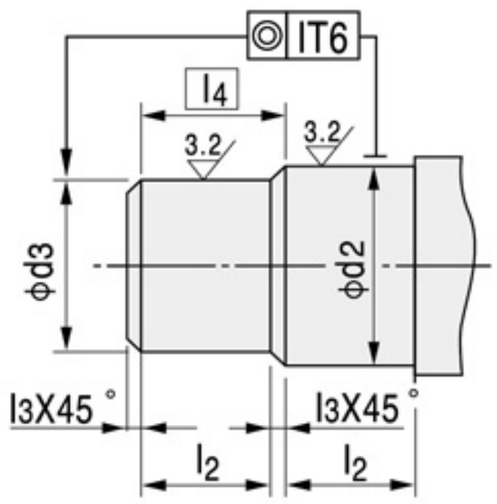
注：1　当d1≤100时公差为m6,当d1>100时公差为n6;
　　2　当尺寸d2或d3≤160时，公差为h6;
　　当尺寸d2或d3>160时，公差为g6;
　　3　重量不包括胀紧盘和润滑油。

Note: 1 When shaft diameter d1≤100, tolerance is m6,
When shaft diameter d1 >100, tolerance is n6;
2 When shaft diameter d2 or d3 ≤160, tolerance h6;
When shaft diameter d2 or d3 >160, tolerance g6;
3 Weight without shrink disk and oil.

P2LA　　i_N = 31.5 ...100



工作机连接轴
Shaft end of driven machine



Dependency of direction of rotation on request

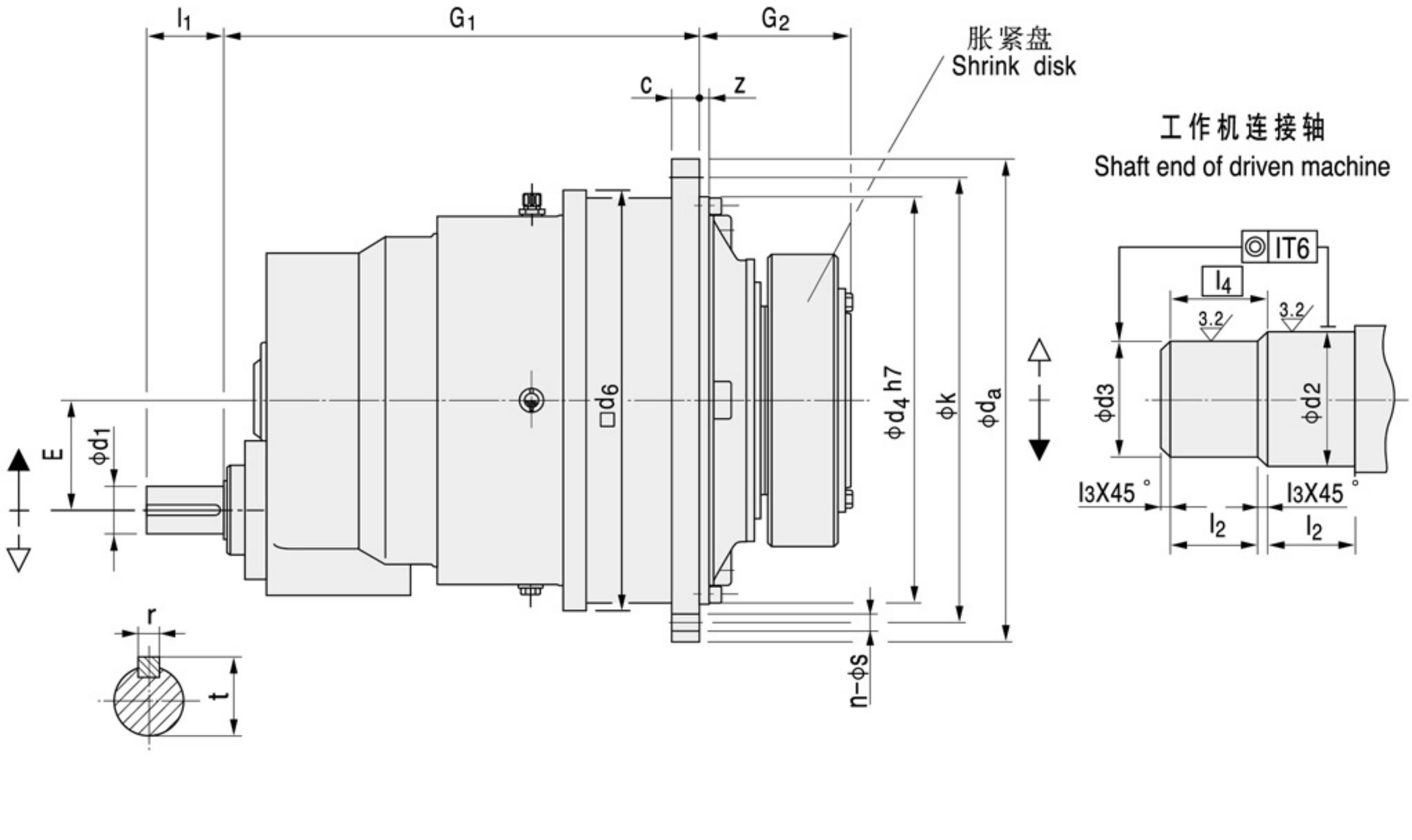
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P2LA 机座号 Type	额定输出扭矩 Nominal output touque T2N (N·m)	输入轴尺寸 Shaft end input side $i_N \leq 90$ d1	l1	r	t	$i_N > 100$ d1	l1	r	t	d2	d3	l2	l3	l4	c	da	d4	d6	e	G1	G2	G3	k	z	法兰孔尺寸 Flange bolts s	n	重量 Weight (kg)	油量 Oil quantity (l)
9	22 000	50	100	14	53.5	40	80	12	43	120	115	65	2.5	67.5	24	428	350	356	185	425	165	305	388	6±1.5	18	24	260	6
10	31 000	50	100	14	53.5	40	80	12	43	130	125	70	2.5	72.5	28	472	394	400	185	445	174	305	436	8±1.5	18	28	310	8
11	42 000	60	110	18	64	50	100	14	53.5	140	135	82.5	2.5	85.0	32	525	425	436	210	501	204	350	485	8±1.5	22	20	380	12
12	60 000	60	110	18	64	50	100	14	53.5	160	155	90	2.5	92.5	34	605	495	510	210	515	224	350	555	9±1.5	26	20	520	16
13	83 000	75	135	20	79.5	60	110	18	64	180	175	95	2.5	97.5	39	645	535	554	250	619	241	415	595	11±1.5	26	24	650	20
14	117 000	75	135	20	79.5	60	110	18	64	210	205	105	2.5	107.5	42	720	610	629	250	642	278	415	665	9	26	32	910	32
16	160 000	85	165	22	90	70	140	20	74.5	230	225	110	2.5	112.5	44	770	660	680	295	705	285	490	715	10	26	36	1 137	40
17	202 000	85	165	22	90	70	140	20	74.5	250	245	120	2.5	122.5	50	895	750	775	295	731	294	490	830	10	33	24	1 660	56
18	244 000	95	165	25	100	75	140	20	79.5	260	255	120	2.5	122.5	50	930	785	815	350	882	303	605	865	10	33	32	2 100	66
19	295 000	95	165	25	100	75	140	20	79.5	280	275	135	2.5	137.5	56	980	840	870	350	905.5	327.5	605	915	12	33	36	2 200	82
20	354 000	95	165	25	100	75	140	20	79.5	300	295	135	2.5	137.5	56	980	840	870	350	905.5	327.5	605	915	12	33	36	2 300	75
21	392 000	115	205	32	122	90	170	25	95	310	305	152	2.5	154.5	62	1115	935	960	400	996	354	700	1025	24	39	32	2 930	110
22	450 000	115	205	32	122	90	170	25	95	330	325	152	2.5	154.5	62	1115	935	960	400	996	354	700	1025	24	39	32	3 100	95
23	513 000	115	205	32	122	90	170	25	95	350	345	164	2.5	166.5	68	1210	1025	1056	400	1055	380	700	1120	28	39	36	3 800	150
24	592 000	115	205	32	122	90	170	25	95	360	355	164	2.5	166.5	68	1210	1025	1056	400	1055	380	700	1120	28	39	36	4 300	125
25	684 000	140	245	36	148	110	210	28	116	380	375	180	2.5	182.5	74	1320	1115	1150	475	1138	407	835	1220	29	45	36	5 250	190
26	763 000	140	245	36	148	110	210	28	116	400	395	180	2.5	182.5	74	1320	1115	1150	475	1138	407	835	1220	29	45	36	5 660	160
27	852 000	140	245	36	148	110	210	28	116	430	425	191	2.5	193.5	81	1460	1215	1248	475	1272	453	835	1345	31	52	32	6 680	245
28	950 000	140	245	36	148	110	210	28	116	450	445	191	2.5	193.5	81	1460	1215	1248	475	1272	453	835	1345	31	52	32	7 180	205
29	1 060 000	150	245	40	169	115	210	32	122	460	450	197.5	5	202.5	87	1565	1320	1355	530	1367	483	945	1450	34	52	36	8 500	305
30	1 200 000	150	245	40	169	115	210	32	122	480	470	197.5	5	202.5	87	1565	1320	1355	530	1367	483	945	1450	34	52	36	9 070	255
31 – 34	On request 按客户要求供货																											

注：1　当d1≤100时公差为m6,当d1>100时公差为n6;
　　2　当尺寸d2或d3≤160时，公差为h6;
　　当尺寸d2或d3>160时，公差为g6;
　　3　重量不包括胀紧盘和润滑油。

Note: 1 When shaft diameter d1 ≤ 100, tolerance is m6,
When shaft diameter d1 >100, tolerance is n6;
2 When shaft diameter d2 or d3 ≤160, tolerance h6;
When shaft diameter d2 or d3 >160, tolerance g6;
3 Weight without shrink disk and oil.

P2SA i_N = 45 ... 125

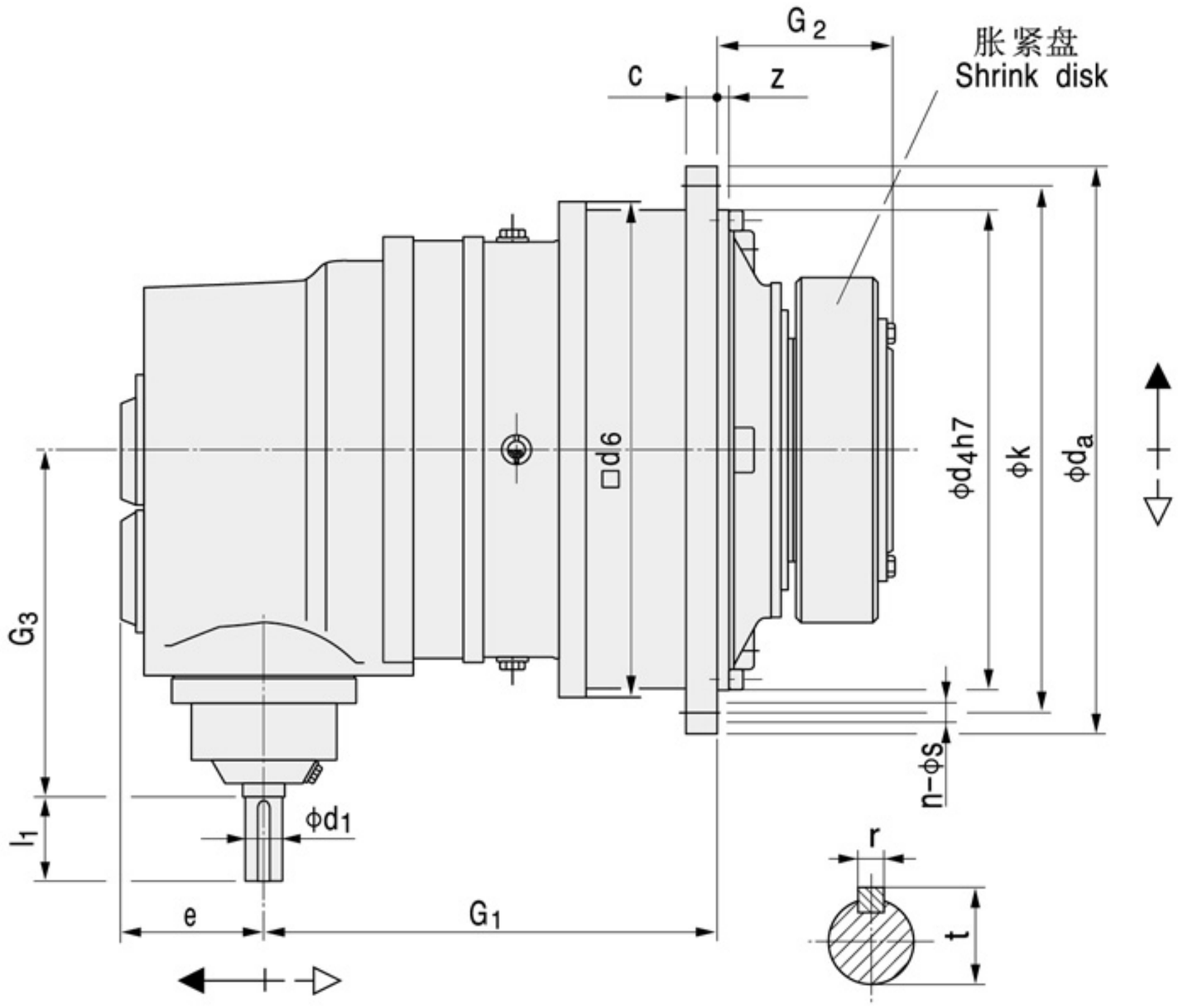


P2SA 机座号 Type	额定输出扭矩 Nominal output touque T2N (N·m)	输入轴尺寸 Shaft end input side				d_2	d_3	l_2	l_3	l_4	c	d_a	d_4	d_6	E	G_1	G_2	k	z	法兰孔尺寸 Flange bolts		重量 Weight (kg)	油量 Oil quantity (l)
		d_1	l_1	r	t															s	n		
9	22 000	38	60	10	41	120	115	65	2.5	67.5	24	428	350	356	90	469	165	388	$6^{\pm1.5}$	18	24	260	6
10	31 000	38	60	10	41	130	125	70	2.5	72.5	28	472	394	400	90	489	174	436	$8^{\pm1.5}$	18	28	310	8
11	42 000	55	90	16	59	140	135	82.5	2.5	85.0	32	525	425	436	115	579	204	485	$8^{\pm1.5}$	22	20	380	12
12	60 000	55	90	16	59	160	155	90	2.5	92.5	34	605	495	510	115	593	224	555	$9^{\pm1.5}$	26	20	520	16
13	83 000	70	120	20	74.5	180	175	95	2.5	97.5	39	645	535	554	140	714	241	595	$11^{\pm1.5}$	26	24	660	20
14	117 000	70	120	20	74.5	210	205	105	2.5	107.5	42	720	610	629	140	737	278	665	9	26	32	920	32
16	160 000	80	140	25	85	230	225	110	2.5	112.5	44	770	660	680	170	851	285	715	10	26	36	1 150	40
17	202 000	80	140	25	85	250	245	120	2.5	122.5	50	895	750	775	170	877	294	830	10	33	24	1 650	56
18	244 000	90	160	25	95	260	255	120	2.5	122.5	50	930	785	815	200	1006	303	865	10	33	32	1 950	66
19	295 000	90	160	25	95	280	275	135	2.5	137.5	56	980	840	870	200	1029.5	327.5	915	12	33	36	2400	82
20	354 000	90	160	25	95	300	295	135	2.5	137.5	56	980	840	870	200	1029.5	327.5	915	12	33	36	2 500	75
21	392 000	100	180	28	106	310	305	152	2.5	154.5	62	1115	935	960	230	1076	354	1025	24	39	32	2 900	110
22	450 000	100	180	28	106	330	325	152	2.5	154.5	62	1115	935	960	230	1076	354	1025	24	39	32	3 100	95
23	513 000	120	210	32	127	350	345	164	2.5	166.5	68	1210	1025	1056	265	1175	380	1120	28	39	36	3 800	150
24	592 000	120	210	32	127	360	355	164	2.5	166.5	68	1210	1025	1056	265	1175	380	1120	28	39	36	4 100	125
25	684 000	130	210	32	137	380	375	180	2.5	182.5	74	1320	1115	1150	300	1291	407	1220	29	45	36	4 950	190
26	763 000	130	210	32	137	400	395	180	2.5	182.5	74	1320	1115	1150	300	1291	407	1220	29	45	36	5 350	160
27	852 000	140	240	36	148	430	425	191	2.5	193.5	81	1460	1215	1248	320	1429	453	1345	31	52	32	6 800	245
28	950 000	140	240	36	148	450	445	191	2.5	193.5	81	1460	1215	1248	320	1429	453	1345	31	52	32	7 200	205
29	1 060 000	150	240	36	158	460	450	197.5	5	202.5	87	1565	1320	1355	360	1507	483	1450	34	52	36	8 500	305
30	1 200 000	150	240	36	158	480	470	197.5	5	202.5	87	1565	1320	1355	360	1507	483	1450	34	52	36	9 000	255
31	1 330 000	160	270	40	169	480	470	232	5	237.0	94	1665	1400	1443	400	1662	538	1545	36	62	32	10 500	380
32	1 500 000	160	270	40	169	510	500	232	5	237.0	94	1665	1400	1443	400	1662	538	1545	36	62	32	11 200	315
33	1 680 000	170	270	40	179	530	520	242	5	247.0	100	1755	1495	1536	400	1743	573	1635	36	62	36	12 700	460
34	1 920 000	170	270	40	179	570	560	242	5	247.0	100	1755	1495	1536	400	1743	573	1635	36	62	36	13 500	380

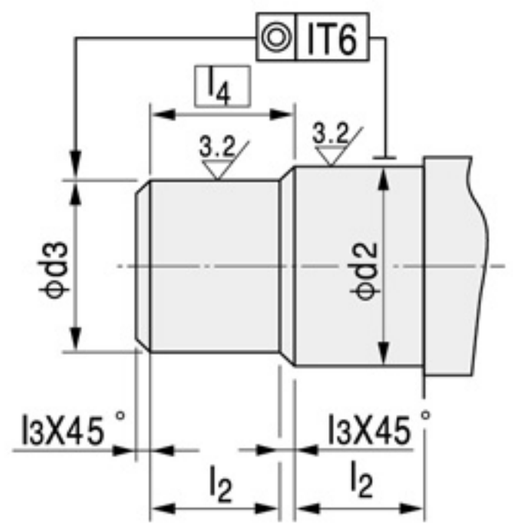
注：1 当d1≤100时公差为m6,当d1>100时公差为n6;
2 当尺寸d2或d3≤160时，公差为h6;
当尺寸d2或d3>160时，公差为g6;
3 重量不包括胀紧盘和润滑油。

Note: 1 When shaft diameter d1≤100, tolerance is m6,
When shaft diameter d1 >100, tolerance is n6;
2 When shaft diameter d2 or d3 ≤160, tolerance h6;
When shaft diameter d2 or d3 >160, tolerance g6;
3 Weight without shrink disk and oil.

P2KA　　i_N = 112 ...500



工作机连接轴
Shaft end of driven machine

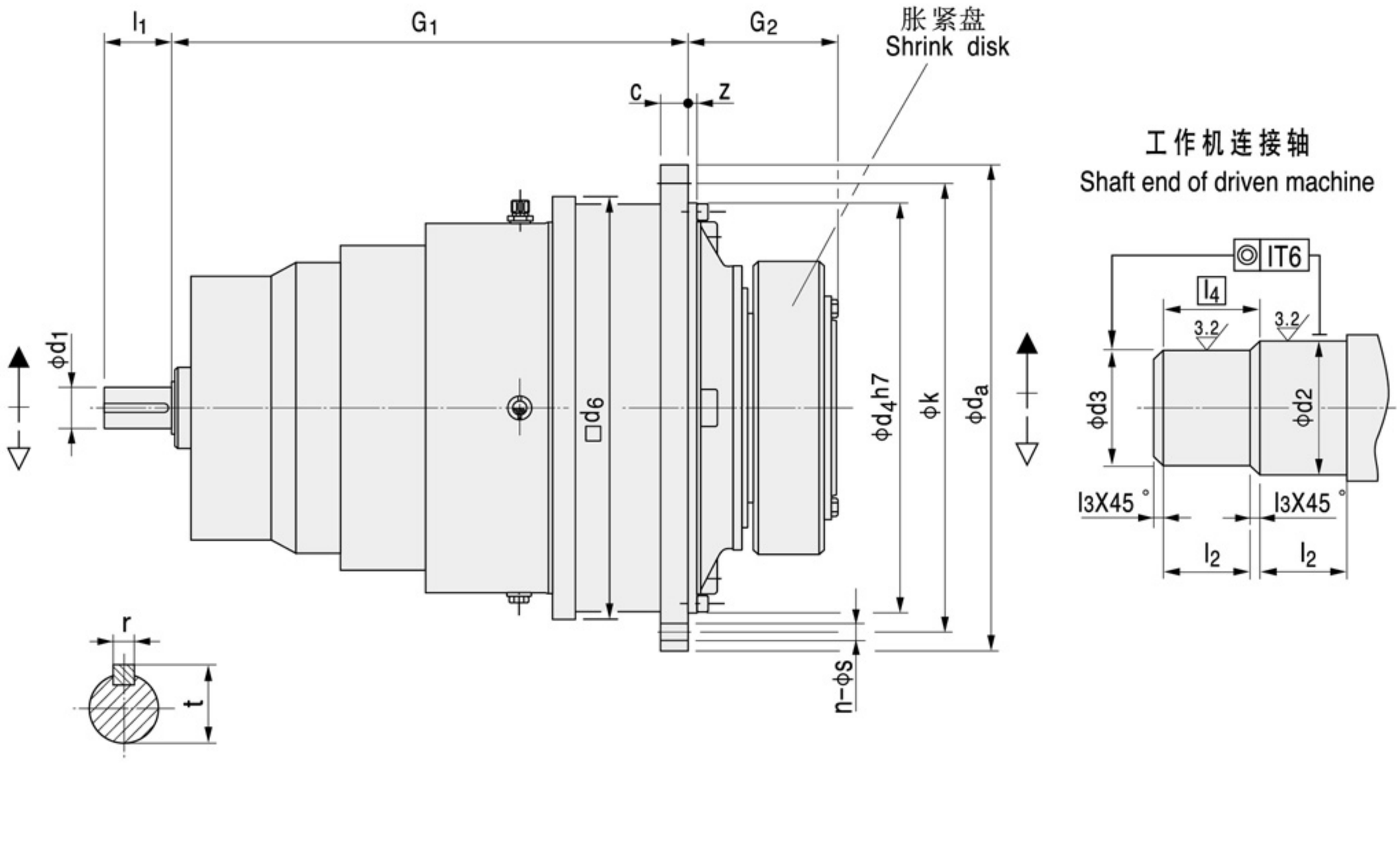


P2KA 机座号 Type	额定输出扭矩 Nominal output touque T_{2N} (N·m)	输入轴尺寸 Shaft end input side i_N<360 d_1	l_1	r	t	i_N>400 d_1	l_1	r	t	d_2	d_3	l_2	l_3	l_4	c	d_a	d_4	d_6	e	G_1	G_2	G_3	k	z	法兰孔尺寸 Flange bolts s	n	重量 Weight (kg)	油量 Oil quantity (l)
9	22 000	35	70	10	38	30	60	8	33	120	115	65	2.5	67.5	24	428	350	356	119	339	165	320	388	6±1.5	18	24	270	6
10	31 000	35	70	10	38	30	60	8	33	130	125	70	2.5	72.5	28	472	394	400	119	359	174	320	436	8±1.5	18	28	320	8
11	42 000	45	80	14	48.5	35	60	10	38	140	135	82.5	2.5	85	32	525	425	436	137	419	204	375	485	8±1.5	22	20	390	12
12	60 000	45	80	14	48.5	35	60	10	38	160	155	90	2.5	92.5	34	605	495	510	137	433	224	375	555	9±1.5	26	20	540	16
13	83 000	50	100	14	53.5	40	80	12	43	180	175	95	2.5	97.5	39	645	535	554	172	518.5	241	445	595	11±1.5	26	24	690	20
14	117 000	50	100	14	53.5	40	80	12	43	210	205	105	2.5	107.5	42	720	610	629	172	541.5	278	445	665	9	26	32	950	32
16	160 000	60	110	18	64	50	100	14	53.5	230	225	110	2.5	112.5	44	770	660	680	194	632	285	520	715	10	26	36	1 184	40
17	202 000	60	110	18	64	50	100	14	53.5	250	245	120	2.5	122.5	50	895	750	775	194	658	294	520	830	10	33	24	1 700	56
18	244 000	75	135	20	79.5	60	110	18	64	260	255	120	2.5	122.5	50	930	785	815	240	741.5	303	615	865	10	33	32	2 010	73
19	295 000	75	135	20	79.5	60	110	18	64	280	275	135	2.5	137.5	56	980	840	870	240	764.5	327.5	615	915	12	33	36	2 470	82
20	354 000	75	135	20	79.5	60	110	18	64	300	295	135	2.5	137.5	56	980	840	870	240	764.5	327.5	615	915	12	33	36	2 550	75
21 – 26	On request																											

注：1　当d1≤100时公差为m6,当d1>100时公差为n6;
　　2　当尺寸d2或d3≤160时，公差为h6;
　　当尺寸d2或d3>160时，公差为g6;
　　3　重量不包括胀紧盘和润滑油。

Note: 1 When shaft diameter d1≤100, tolerance is m6,
When shaft diameter d1 >100, tolerance is n6;
2 When shaft diameter d2 or d3 ≤160, tolerance h6;
When shaft diameter d2 or d3 >160, tolerance g6;
3 Weight without shrink disk and oil.

P3NA　　i_N = 140 ...280



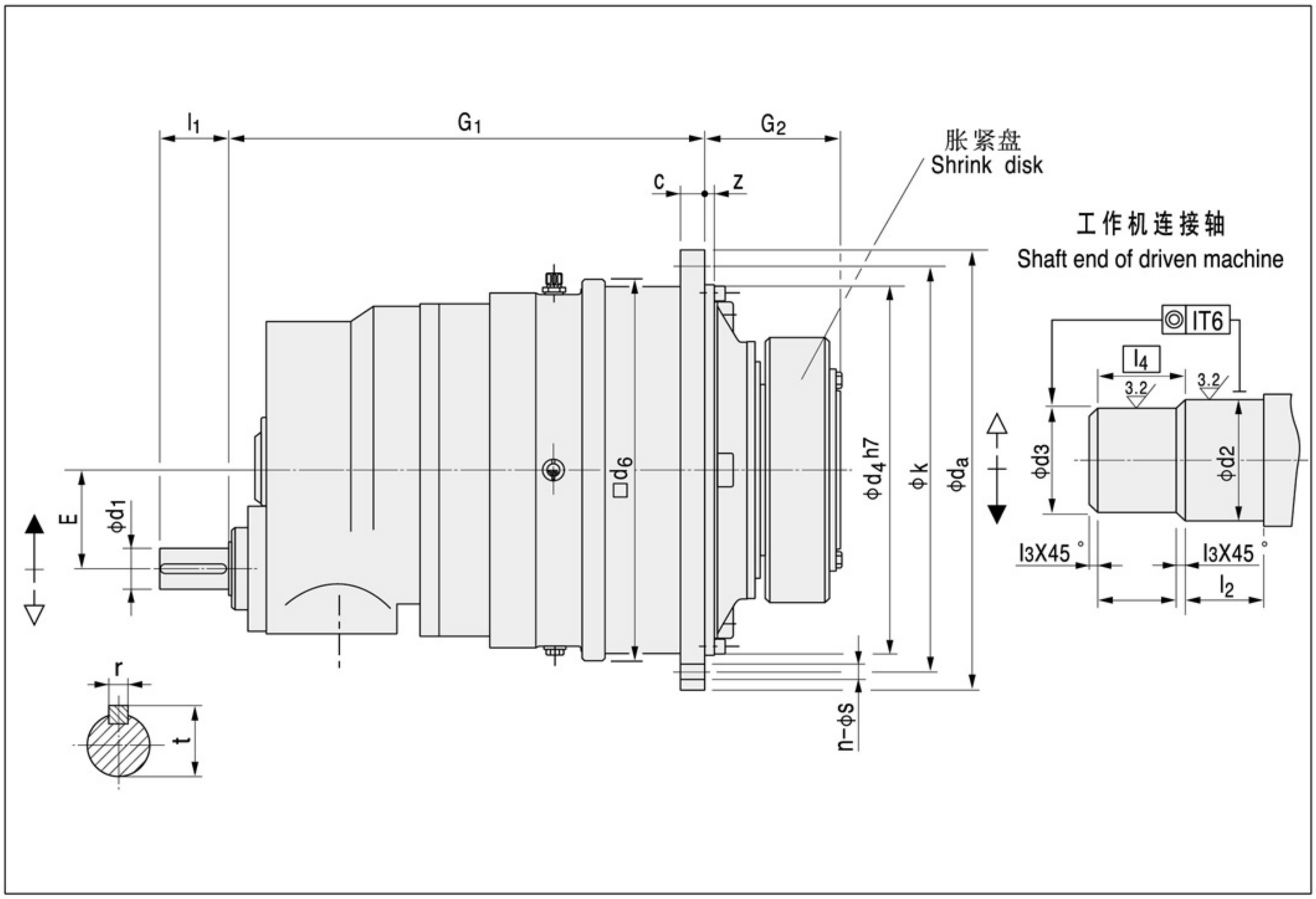
P3NA 机座号 Type	额定输出扭矩 Nominal output touque T_{2N} (N · m)	输入轴尺寸 Shaft end input side				d_2	d_3	l_2	l_3	$\boxed{l_4}$	c	d_a	d_4	d_6	G_1	G_2	k	z	法兰孔尺寸 Flange bolts		重量 Weight (kg)	油量 Oil quantity (l)
		d_1	l_1	r	t														s	n		
9	22 000	55	90	16	59	120	115	65	2.5	67.5	24	428	350	356	565	165	388	$6^{\pm 1.5}$	18	24	250	7
10	31 000	55	90	16	59	130	125	70	2.5	72.5	28	472	394	400	585	174	436	$6^{\pm 1.5}$	18	28	300	9
11	42 000	55	90	16	59	140	135	82.5	2.5	85.0	32	525	425	436	616	204	485	$8^{\pm 1.5}$	22	20	370	13
12	60 000	55	90	16	59	160	155	90	2.5	92.5	34	605	495	510	630	224	555	$9^{\pm 1.5}$	26	20	500	17
13	83 000	55	90	16	59	180	175	95	2.5	97.5	39	645	535	554	688	241	595	$11^{\pm 1.5}$	26	24	620	21
14	117 000	55	90	16	59	210	205	105	2.5	107.5	42	720	610	629	711	278	665	9	26	32	880	33
16	160 000	70	120	20	74.5	230	225	110	2.5	112.5	44	770	660	680	853	285	715	10	26	36	1 085	42
17	202 000	70	120	20	74.5	250	245	120	2.5	122.5	50	895	750	775	879	294	830	10	33	24	1 580	60
18	244 000	80	140	25	85	260	255	120	2.5	122.5	50	930	785	815	1013.5	303	865	10	33	32	2 000	70
19	295 000	80	140	25	85	280	275	135	2.5	137.5	56	980	840	870	1036.5	327.5	915	12	33	36	2 100	85
20	354 000	80	140	25	85	300	295	135	2.5	137.5	56	980	840	870	1036.5	327.5	915	12	33	36	2 200	75
21	392 000	80	140	25	85	310	305	152	2.5	154.5	62	1115	935	960	1093	354	1025	24	39	32	2 785	115
22	450 000	80	140	25	85	330	325	152	2.5	154.5	62	1115	935	960	1093	354	1025	24	39	32	2 950	105
23	513 000	95	160	25	100	350	345	164	2.5	166.5	68	1210	1025	1056	1222	380	1120	28	39	36	3 625	155
24	592 000	95	160	25	100	360	355	164	2.5	166.5	68	1210	1025	1056	1222	380	1120	28	39	36	4 100	135
25	684 000	95	160	25	100	380	375	180	2.5	182.5	74	1320	1115	1150	1284.5	407	1220	29	45	36	5 000	195
26	763 000	95	160	25	100	400	395	180	2.5	182.5	74	1320	1115	1150	1284.5	407	1220	29	45	36	5 400	170
27	852 000	110	180	28	116	430	425	191	2.5	193.5	81	1460	1215	1248	1470	453	1345	31	52	32	6 400	250
28	950 000	110	180	28	116	450	445	191	2.5	193.5	81	1460	1215	1248	1470	453	1345	31	52	32	6 875	220
29	1 060 000	110	180	28	116	460	450	197.5	5	202.5	87	1565	1320	1355	1517	483	1450	34	52	36	8 190	310
30	1 200 000	110	180	28	116	480	470	197.5	5	202.5	87	1565	1320	1355	1517	483	1450	34	52	36	8 715	280
31	1 330 000	120	210	32	127	480	470	232	5	237.0	94	1665	1400	1443	1585	540	1545	36	62	32	10 700	390
32	1 500 000	120	210	32	127	510	500	232	5	237.0	94	1665	1400	1443	1585	540	1545	36	62	32	11 200	360
33	1 680 000	130	210	32	137	530	520	242	5	247.0	100	1755	1495	1536	1710	573	1635	36	62	36	12 950	470
34	1 920 000	130	210	32	137	570	560	242	5	247.0	100	1755	1495	1536	1710	573	1635	36	62	36	13 800	430

注：1　当d1≤100时公差为m6,当d1>100时公差为n6;
　　2　当尺寸d2或d3≤160时，公差为h6;
　　当尺寸d2或d3>160时，公差为g6;
　　3　重量不包括胀紧盘和润滑油。

Note: 1 When shaft diameter d1≤100, tolerance is m6,
When shaft diameter d1 >100, tolerance is n6;
2 When shaft diameter d2 or d3 ≤160, tolerance h6;
When shaft diameter d2 or d3 >160, tolerance g6;
3 Weight without shrink disk and oil.



P3SA　　i_N = 280 ... 900

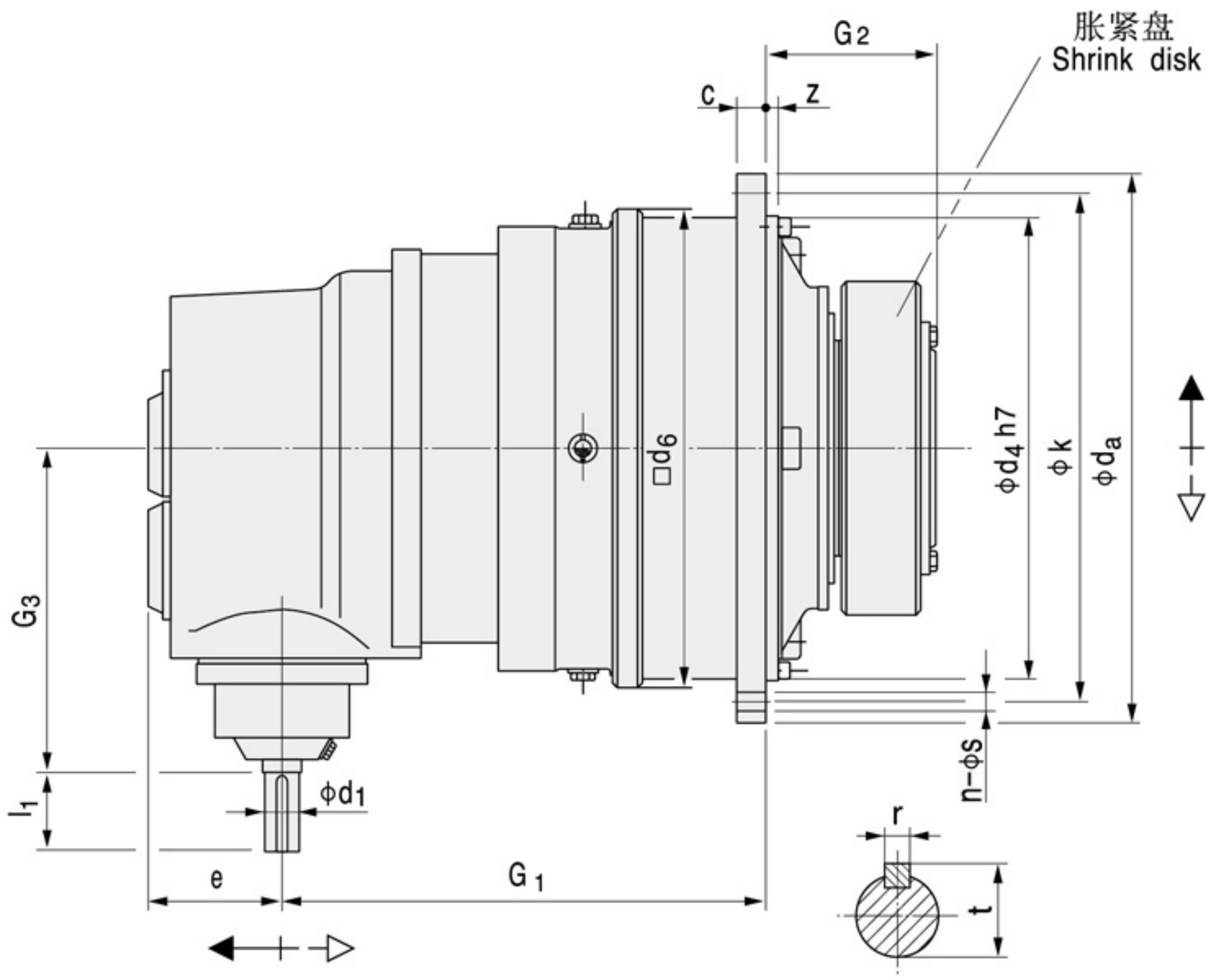


P3SA 机座号 Type	额定输出扭矩 Nominal output touque T_{2N} (N·m)	输入轴尺寸 Shaft end input side				d_2	d_3	l_2	l_3	l_4	c	d_a	d_4	d_6	E	G_1	G_2	k	z	法兰孔尺寸 Flange bolts		重量 Weight (kg)	油量 Oil quantity (l)
		d_1	l_1	r	t															s	n		
9	22 000	38	60	10	41	120	115	65	2.5	67.5	24	428	350	356	90	565	165	388	$6^{\pm 1.5}$	18	24	270	7
10	31 000	38	60	10	41	130	125	70	2.5	72.5	28	472	394	400	90	585	174	436	$8^{\pm 1.5}$	18	28	320	9
11	42 000	38	60	10	41	140	135	82.5	2.5	85.0	32	525	425	436	90	616	204	485	$8^{\pm 1.5}$	22	20	390	13
12	60 000	38	60	10	41	160	155	90	2.5	92.5	34	605	495	510	90	630	224	555	$9^{\pm 1.5}$	26	20	540	17
13	83 000	38	60	10	41	180	175	95	2.5	97.5	39	645	535	554	90	688	241	595	$11^{\pm 1.5}$	26	24	670	21
14	117 000	38	60	10	41	210	205	105	2.5	107.5	42	720	610	629	90	711	278	665	9	26	32	930	33
16	160 000	55	90	16	59	230	225	110	2.5	112.5	44	770	660	680	115	853	285	715	10	26	36	1 115	42
17	202 000	55	90	16	59	250	245	120	2.5	122.5	50	895	750	775	115	879	294	830	10	33	24	1 625	60
18	244 000	70	120	20	74.5	260	255	120	2.5	122.5	50	930	785	815	140	1013.5	303	865	10	33	32	2 060	70
19	295 000	70	120	20	74.5	280	275	135	2.5	137.5	56	980	840	870	140	1036.5	327.5	915	12	33	36	2 160	85
20	354 000	70	120	20	74.5	300	295	135	2.5	137.5	56	980	840	870	140	1036.5	327.5	915	12	33	36	2 260	75
21	392 000	70	120	20	74.5	310	305	152	2.5	154.5	62	1115	935	960	140	1093	354	1025	24	39	32	2 870	115
22	450 000	70	120	20	74.5	330	325	152	2.5	154.5	62	1115	935	960	140	1093	354	1025	24	39	32	3 040	105
23	513 000	80	140	25	85	350	345	164	2.5	166.5	68	1210	1025	1056	170	1222	380	1120	28	39	36	3 730	155
24	592 000	80	140	25	85	360	355	164	2.5	166.5	68	1210	1025	1056	170	1222	380	1120	28	39	36	4 220	135
25	684 000	80	140	25	85	380	375	180	2.5	182.5	74	1320	1115	1150	170	1284	407	1220	29	45	36	5 150	195
26	763 000	80	140	25	85	400	395	180	2.5	182.5	74	1320	1115	1150	170	1284	407	1220	29	45	36	5 560	170
27	852 000	90	160	25	95	430	425	191	2.5	193.5	81	1460	1215	1248	200	1470	453	1345	31	52	32	6 580	250
28	950 000	90	160	25	95	450	445	191	2.5	193.5	81	1460	1215	1248	200	1470	453	1345	31	52	32	7 080	220
29	1 060 000	90	160	25	95	460	450	197.5	5	202.5	87	1565	1320	1355	200	1517	483	1450	34	52	36	8 400	310
30	1 200 000	90	160	25	95	480	470	197.5	5	202.5	87	1565	1320	1355	200	1517	483	1450	34	52	36	8 970	280
31	1 330 000	100	180	28	106	480	470	232	5	237.0	94	1665	1400	1443	230	1617	538	1545	36	62	32	11 000	390
32	1 500 000	100	180	28	106	510	500	232	5	237.0	94	1665	1400	1443	230	1617	538	1545	36	62	32	11 500	360
33	1 680 000	120	210	32	127	530	520	242	5	247.0	100	1755	1495	1536	265	1735	573	1635	36	62	36	13 300	470
34	1 920 000	120	210	32	127	570	560	242	5	247.0	100	1755	1495	1536	265	1735	573	1635	36	62	36	14 200	430

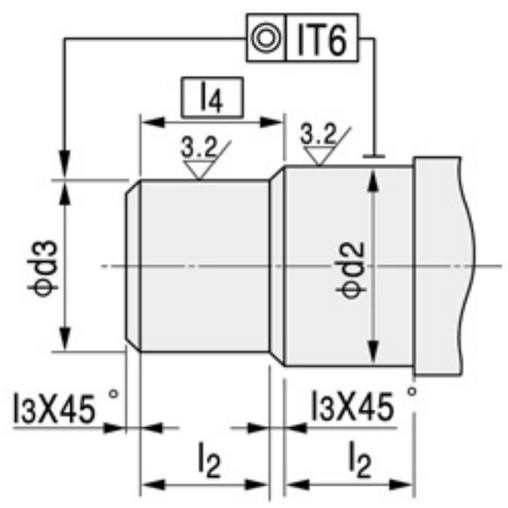
注：1　当d1≤100时公差为m6,当d1>100时公差为n6;
　　2　当尺寸d2或d3≤160时，公差为h6;
　　当尺寸d2或d3>160时，公差为g6;
　　3　重量不包括胀紧盘和润滑油。

Note: 1 When shaft diameter d1 ≤ 100, tolerance is m6,
When shaft diameter d1 >100, tolerance is n6;
2 When shaft diameter d2 or d3 ≤160, tolerance h6;
When shaft diameter d2 or d3 >160, tolerance g6;
3 Weight without shrink disk and oil.

P3KA $i_N = 560 ... 4000$



工作机连接轴
Shaft end of driven machine



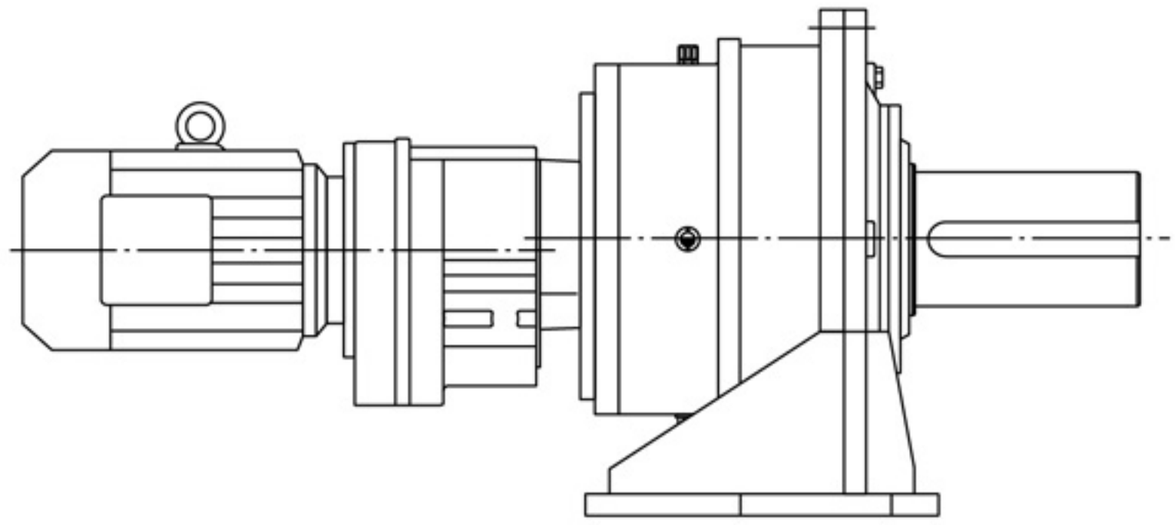
P3KA 机座号 Type	额定输出扭矩 Nominal output touque T_{2N} (N·m)	输入轴尺寸 Shaft end input side $i_N \leq 2000$				$i_N \geq 2240$				d_2	d_3	l_2	l_3	l_4	c	d_a	d_4	d_6	e	G_1	G_2	G_3	k	z	法兰孔尺寸 Flange bolts		重量 Weight	油量 Oil quantity
		d_1	l_1	r	t	d_1	l_1	r	t																s	n	(kg)	(l)
9	22 000	35	70	10	38	30	60	8	33	120	115	65	2.5	67.5	24	428	350	356	119	435	165	320	388	6 ± 1.5	18	24	280	7
10	31 000	35	70	10	38	30	60	8	33	130	125	70	2.5	72.5	28	472	394	400	119	455	174	320	436	8 ± 1.5	18	28	330	9
11	42 000	35	70	10	38	30	60	8	33	140	135	82.5	2.5	85	32	525	425	436	119	486	204	320	485	8 ± 1.5	22	20	390	15
12	60 000	35	70	10	38	30	60	8	33	160	155	90	2.5	92.5	34	605	495	510	119	500	224	320	555	9 ± 1.5	26	20	530	20
13	83 000	35	70	10	38	30	60	8	33	180	175	95	2.5	97.5	39	645	535	554	119	558	241	320	595	11 ± 1.5	26	24	670	21
14	117 000	35	70	10	38	30	60	8	33	210	205	105	2.5	107.5	42	720	610	629	119	581	278	320	665	9	26	32	940	33
16	160 000	45	80	14	48.5	35	60	10	38	230	225	110	2.5	112.5	44	770	660	680	137	693	285	375	715	10	26	36	1 137	42
17	202 000	45	80	14	48.5	35	60	10	38	250	245	120	2.5	122.5	50	895	750	775	137	719	294	375	830	10	33	24	1 660	60
18	244 000	50	100	14	53.5	40	80	12	43	260	255	120	2.5	122.5	50	930	785	815	172	818	303	445	865	10	33	32	2 100	70
19	295 000	50	100	14	53.5	40	80	12	43	280	275	135	2.5	137.5	56	980	840	870	172	841	327.5	445	915	12	33	36	2 200	85
20	354 000	50	100	14	53.5	40	80	12	43	300	295	135	2.5	137.5	56	980	840	870	172	841	327.5	445	915	12	33	36	2 300	75
21	392 000	50	100	14	53.5	40	80	12	43	310	305	152	2.5	154.5	62	1115	935	960	172	897.5	354	445	1025	24	39	32	2 930	115
22	450 000	50	100	14	53.5	40	80	12	43	330	325	152	2.5	154.5	62	1115	935	960	172	897.5	354	445	1025	24	39	32	3 100	105
23	513 000	60	110	18	64	50	100	14	53.5	350	345	164	2.5	166.5	68	1210	1025	1056	194	1003	380	520	1120	28	39	36	3 800	155
24	592 000	60	110	18	64	50	100	14	53.5	360	355	164	2.5	166.5	68	1210	1025	1056	194	1003	380	520	1120	28	39	36	4 300	135
25	684 000	60	110	18	64	50	100	14	53.5	380	375	180	2.5	182.5	74	1320	1115	1150	194	1065	407	520	1220	29	45	36	5 250	195
26	763 000	60	110	18	64	50	100	14	53.5	400	395	180	2.5	182.5	74	1320	1115	1150	194	1065	407	520	1220	29	45	36	5 660	170
27	852 000	75	135	20	79.5	60	110	18	64	430	425	191	2.5	193.5	81	1460	1215	1248	240	1205.5	453	615	1345	31	52	32	6 680	250
28	950 000	75	135	20	79.5	60	110	18	64	450	445	191	2.5	193.5	81	1460	1215	1248	240	1205.5	453	615	1345	31	52	32	7 180	220
29	1 060 000	75	135	20	79.5	60	110	18	64	460	450	197.5	5	202.5	87	1565	1320	1355	240	1252.5	483	615	1450	34	52	36	8 500	310
30	1 200 000	75	135	20	79.5	60	110	18	64	480	470	197.5	5	202.5	87	1565	1320	1355	240	1252.5	483	615	1450	34	52	36	9 070	280

注：1 当d1≤100时公差为m6,当d1>100时公差为n6;
2 当尺寸d2或d3≤160时，公差为h6;
当尺寸d2或d3>160时，公差为g6;
3 重量不包括胀紧盘和润滑油。

Note: 1 When shaft diameter d1≤100, tolerance is m6,
When shaft diameter d1 >100, tolerance is n6;
2 When shaft diameter d2 or d3 ≤160, tolerance h6;
When shaft diameter d2 or d3 >160, tolerance g6;
3 Weight without shrink disk and oil.

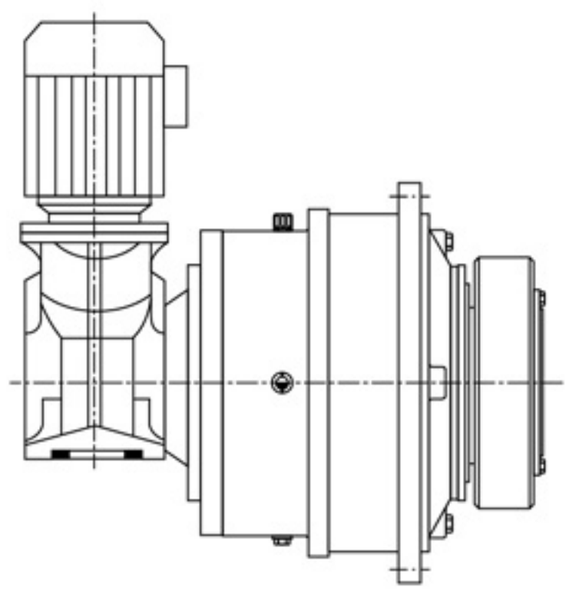
P系列组合型：

P series combination:



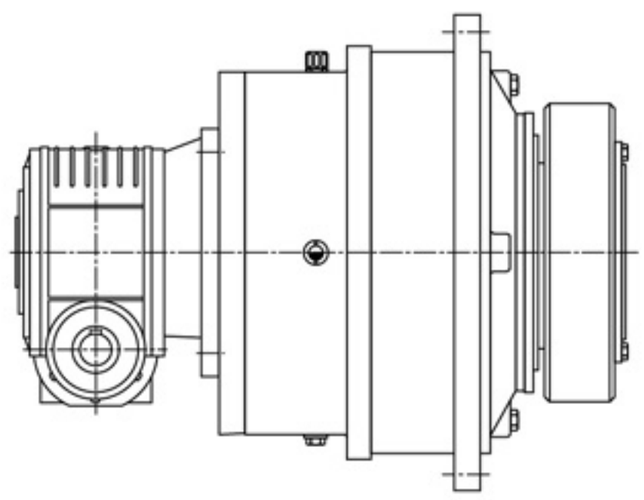
P../R系列组合，详情来电咨询。

P../R combination please consult us.



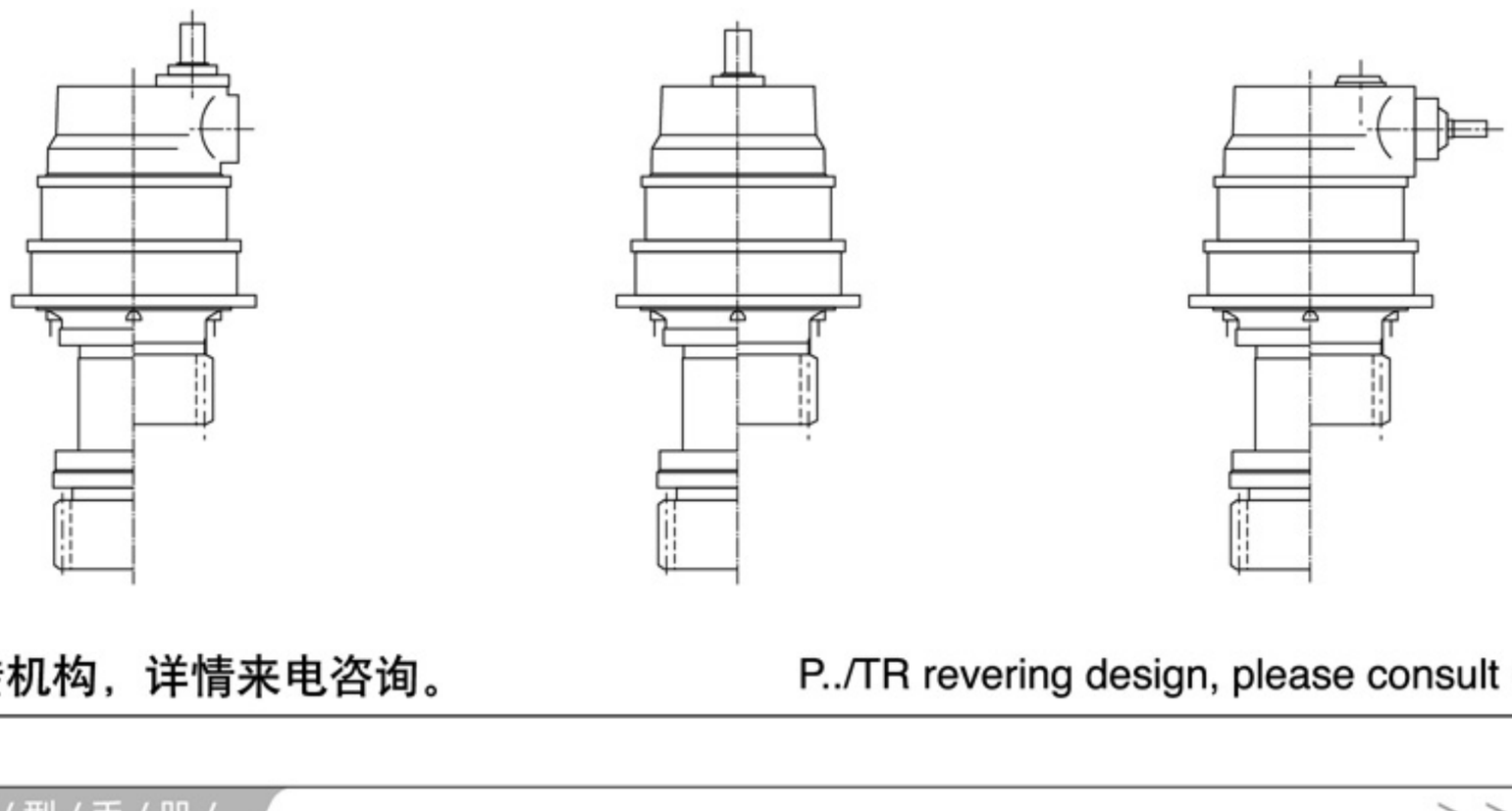
P../K系列组合，详情来电咨询。

P../K combination please consult us.



P../RV(160-250) 组合，详情来电咨询。

P../RV(160-250) combination please consult us.



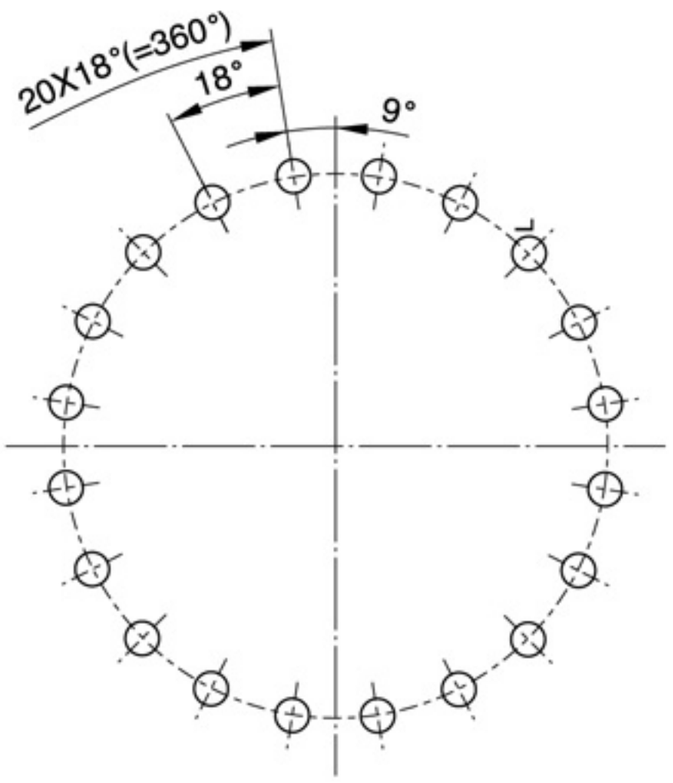
P../TR回转机构，详情来电咨询。

P../TR revering design, please consult us.

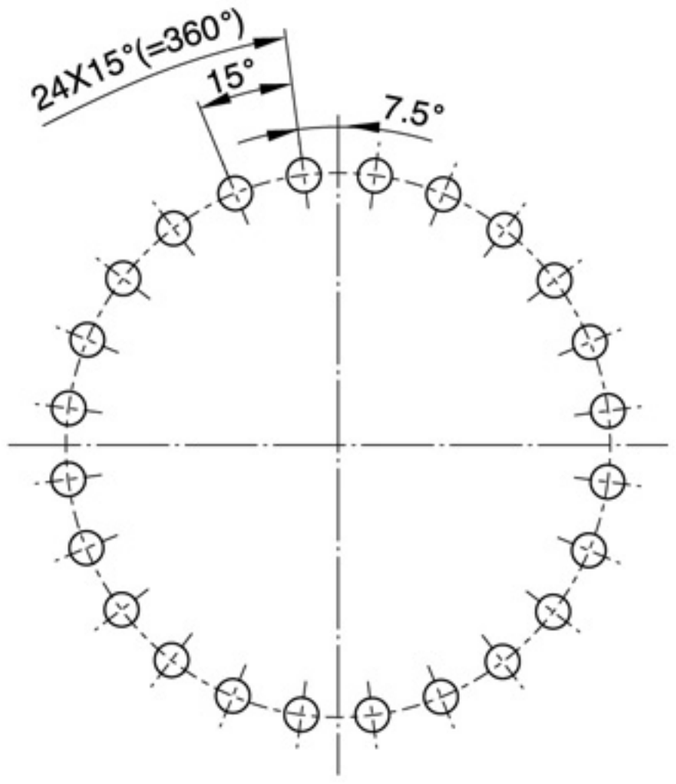
P

输出法兰孔布置图：

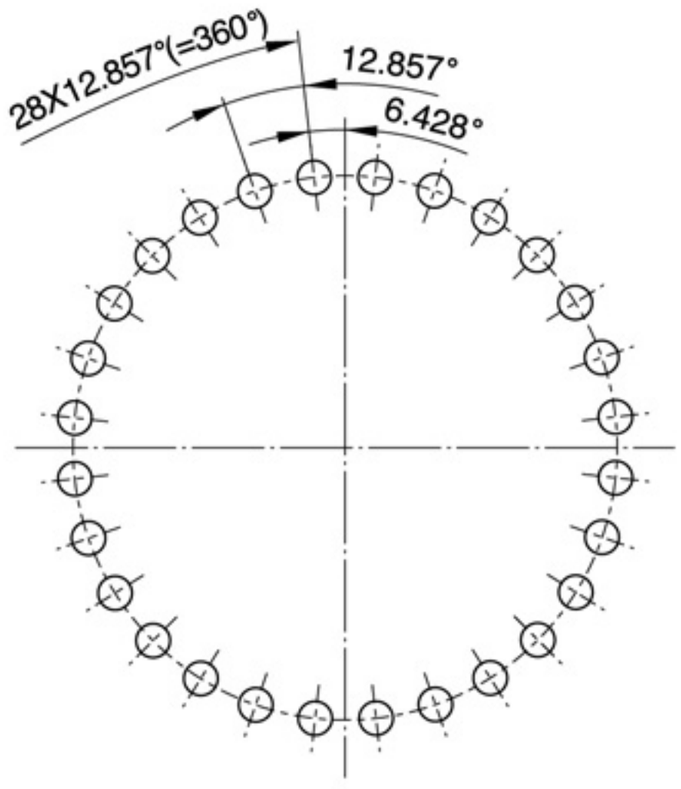
Hole patterns on output flanges:



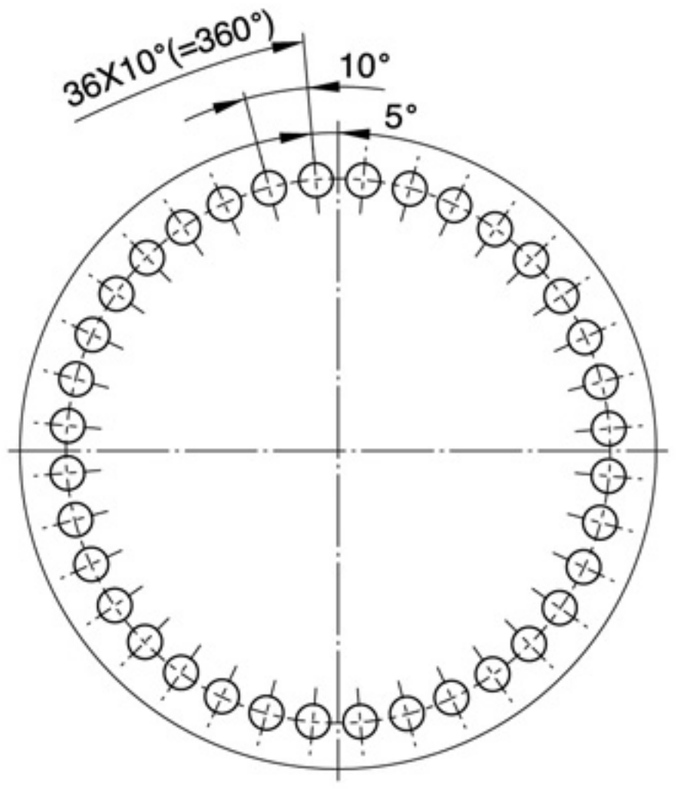
P...11, 12



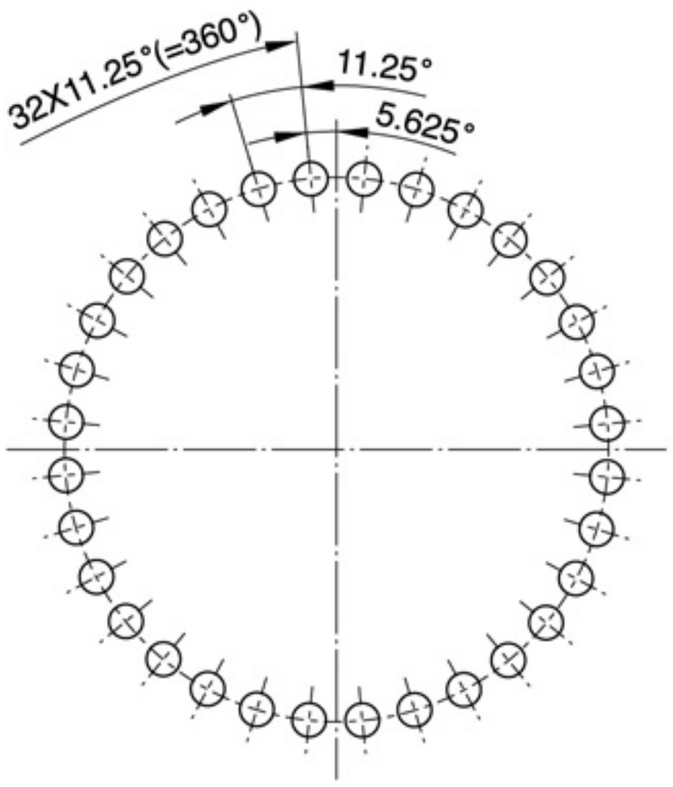
P...9, 13, 17



P...10



P...16, 19, 20, 23, 24, 25, 26, 29, 30, 33, 34



P...14, 18, 21, 22, 27, 28, 31, 32

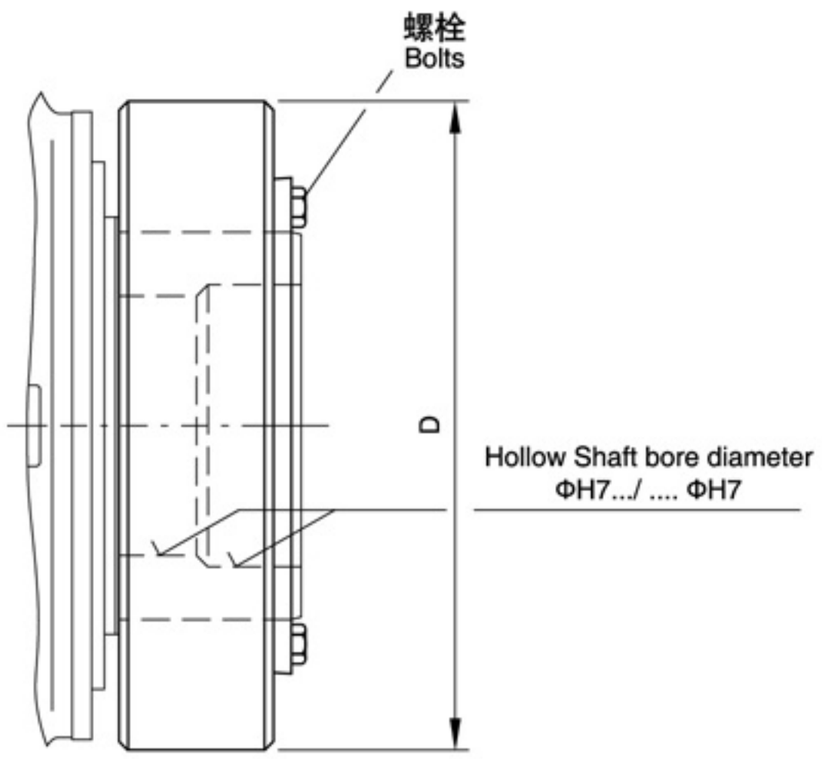
P系列齿轮箱输出轴：

P series gear units output shaft:

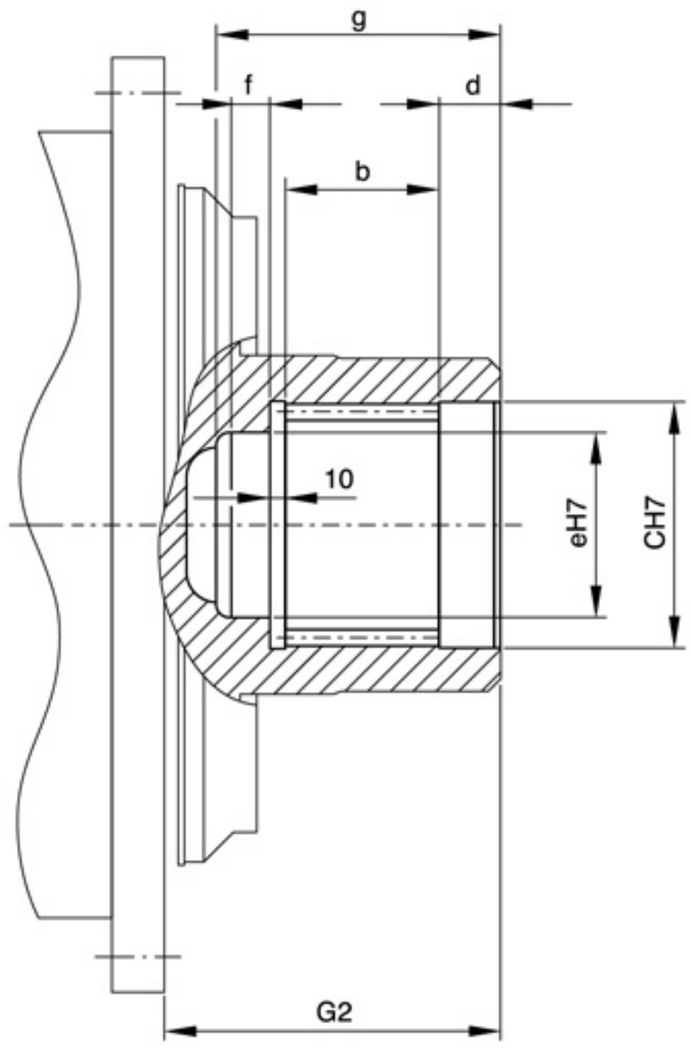
空心轴：

Hollow shaft:

带胀紧盘的空心输出轴
Hollow Shaft for Shrink Disk



渐开线花键空心输出轴
Hollow Shaft with Involute Splines



花键齿形按 DIN 5480
Hollow shaft with involute splines acc. to DIN 5480.

P

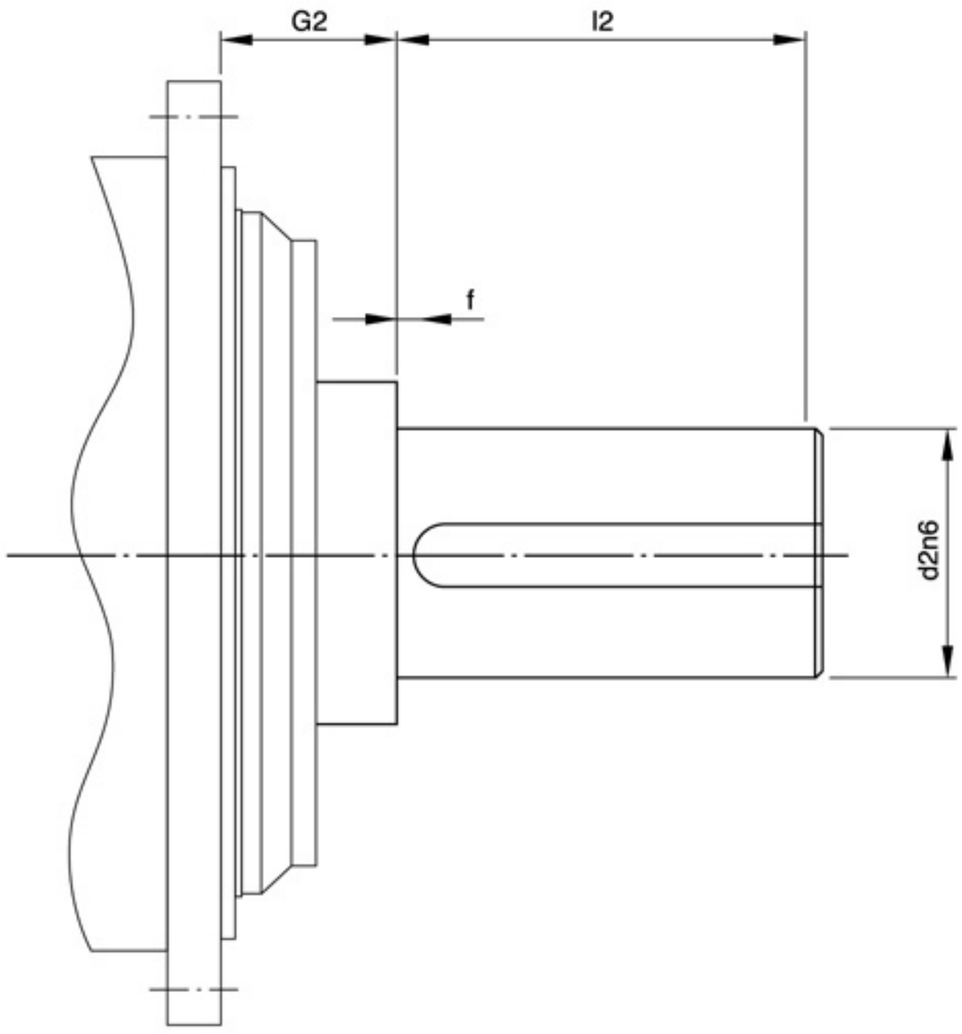
机座号 Type	许用扭矩 Nominal torque T2N (N · m)	胀紧盘 Hollow Shaft for Shrink Disk				空心花键输出轴 Hollow Shaft with Involute Splines							
		型号 Size	D	螺栓 Bolts	重量 Weigth (kg)	内花键规格 Type of involute splines	b	c	d	e	f	G2	g
9	22000	155	263	M14	15.2	120X5X30X22X9H	70	122	40	107	20	165	150
10	31000	165	290	M16	21.5	130X5X30X24X9H	80	132	40	117	20	174	160
11	42000	185	320	M16	32.7	140X5X30X26X9H	90	142	45	125	25	204	180
12	60000	220	370	M20	53	160X5X30X30X9H	100	162	45	145	25	223	190
13	83000	240	405	M20	66	180X5X30X34X9H	110	182	45	165	25	237	200
14	117000	280	460	M20	103	210X5X30X40X9H	125	212	45	195	25	264	215
16	160000	300	485	M24	120	240X8X30X28X9H	140	242	50	220	25	285	235
17	202000	320	520	M24	138	250X8X30X30X9H	150	252	50	230	30	290	250
18	244000	340	570	M24	189	260X8X30X31X9H	160	262	50	240	30	303	260
19	295000	360	590	M24	207	280X8X30X34X9H	170	282	50	260	30	327.5	270
20	354000	380	640	M27	244	300X8X30X36X9H	180	302	50	280	30	327.5	280
21	392000	390	650	M27	249	310X8X30X37X9H	190	312	60	290	40	354	310
22	450000	420	670	M27	285	330X8X30X40X9H	200	332	60	310	40	354	320
23	513000	440	720	M27	357	340X8X30X41X9H	200	342	60	320	40	348	320
24	592000	460	770	M27	419	360X8X30X44X9H	220	362	60	340	40	368	340
25	684000	480	800	M30	492	380X8X30X46X9H	230	382	60	360	40	372	350
26	763000	500	850	M30	567	400X8X30X48X9H	240	402	60	380	40	382	360
27	852000	530	910	M30	744	440X8X30X54X9H	250	442	60	420	40	423	370
28	950000	560	940	M30	776	450X8X30X55X9H	260	452	65	430	40	428	385
29	1060000	560	940	M30	836	460X8X30X56X9H	270	462	65	440	45	433	400
30	1200000	590	960	M30	845	480X8X30X58X9H	285	482	65	460	45	448	415
31	1330000	590	960	M30	935								
32	1500000	620	1020	M30	1064								
33	1680000	660	1070	M33	1178								
34	1920000	700	1140	M33	1345								

实心轴：

Solid shaft:

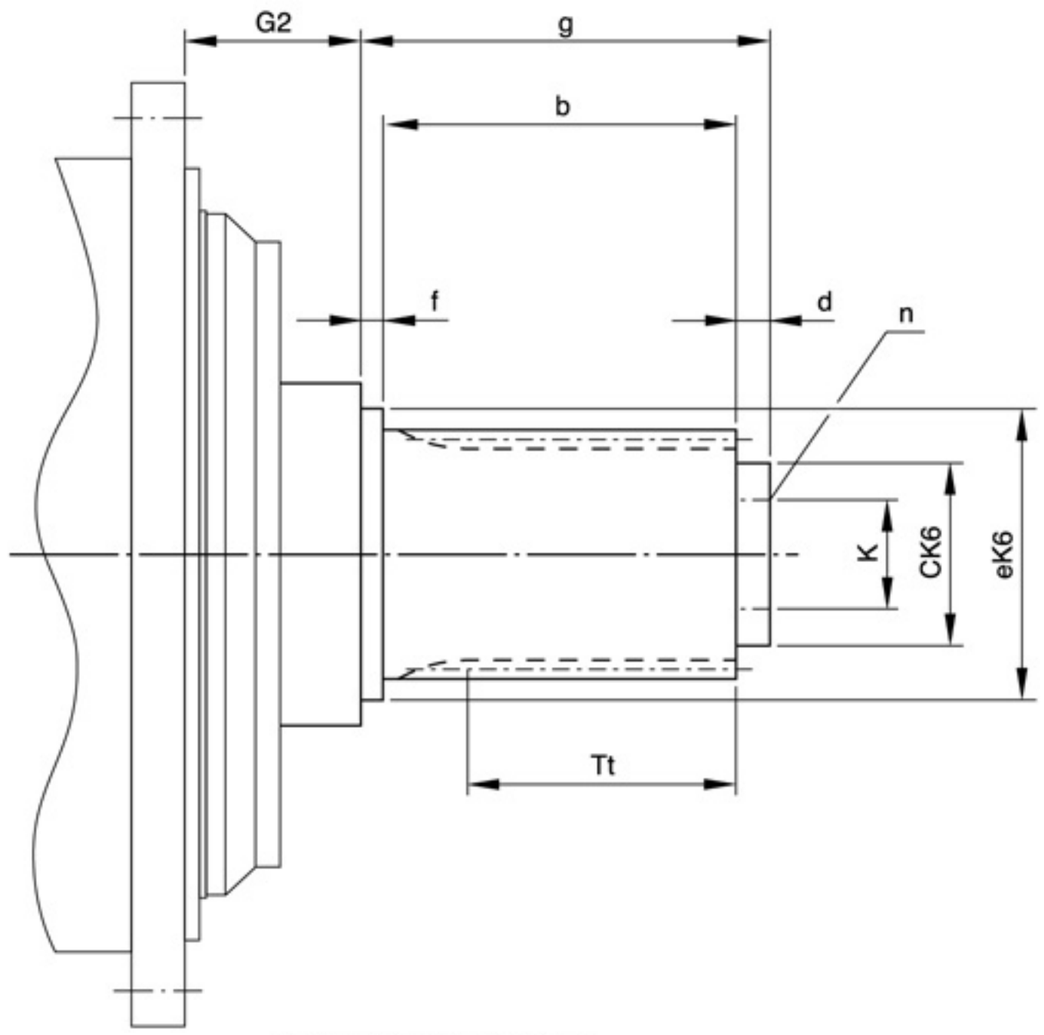
带平键的实心输出轴

Solid Shaft with flat Key



渐开线花键实心输出轴

Solid Shaft with Involute Splines



花键齿形按 D5480

Hollow shaft with involute splines acc. to DIN 5480.

P

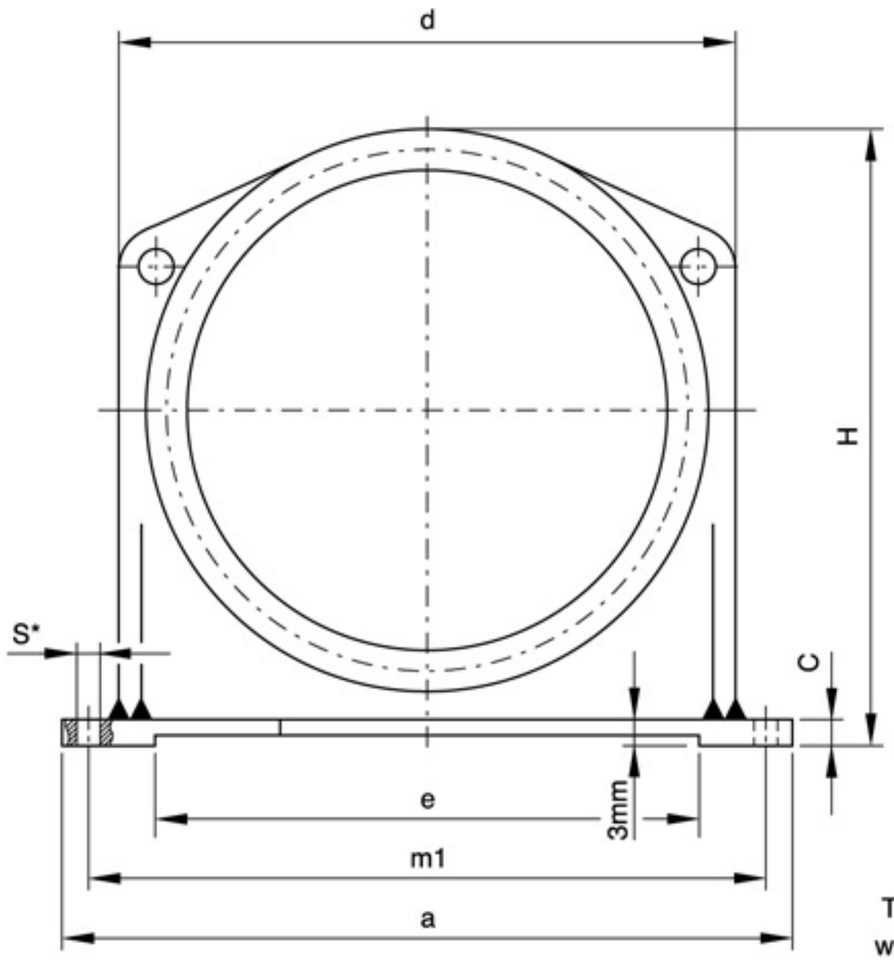
机座号 Type	许用扭矩 Nominal torque T2N (N · m)	带平键实心轴 Solid shaft with Parallel Key			实心花键输出轴 Hollow Shaft with Involute Splines										
		d2	l2	G2	外花键规格 Type of involute splines	Tt	b	c	d	e	f	g	k	n	G2
9	22000	120	210	95	130X5X30X24X8m	70	80	110	20	132	20	120	80	3XM16X24	95
10	31000	130	210	95	140X5X30X26X8m	80	90	120	20	142	20	130	90	3XM16X24	95
11	42000	150	240	109	160X5X30X30X8m	90	100	140	25	162	25	150	110	3XM16X24	109
12	60000	160	270	106	180X5X30X34X8m	100	110	90	25	182	25	160	130	3XM16X24	106
13	83000	180	310	118	200X5X30X38X8m	110	120	100	30	202	25	175	140	3XM16X24	118
14	117000	210	350	139	220X5X30X42X8m	125	135	120	30	222	30	195	160	3XM16X24	139
16	160000	230	350	142	250X8X30X30X8m	140	155	140	35	252	30	220	185	3XM20X30	142
17	202000	250	400	139	260X8X30X31X8m	150	165	155	40	262	35	240	200	3XM20X30	139
18	244000	260	400	134	280X8X30X34X8m	160	175	170	40	282	35	250	215	3XM20X30	134
19	295000	280	450	148.5	300X8X30X36X8m	170	185	180	40	302	35	260	225	3XM20X30	148.5
20	354000	300	500	148.5	310X8X30X37X8m	180	195	190	40	312	35	270	235	6XM20X30	148.5
21	392000	310	500	158	320X8X30X38X8m	190	205	200	40	322	35	280	250	6XM20X30	158
22	450000	330	500	158	340X8X30X41X8m	200	215	210	40	342	35	290	265	6XM20X30	158
23	513000	350	550	175	360X8X30X44X8m	200	215	230	40	362	35	290	275	6XM20X30	175
24	592000	360	590	175	380X8X30X46X8m	220	235	245	40	382	35	310	290	6XM20X30	175
25	684000	380	590	182	400X8X30X48X8m	230	245	260	40	402	35	320	310	6XM24X36	182
26	763000	400	650	182	420X8X30X51X8m	240	255	280	40	422	35	330	330	6XM24X36	182
27	852000	430	690	196.5	440X8X30X54X8m	250	265	310	40	442	35	340	370	6XM24X36	196.5
28	950000	450	750	196.5	450X8X30X55X8m	260	275	330	45	452	40	360	380	6XM24X36	196.5
29	1060000	460	750	209	460X8X30X56X8m	270	285	340	45	462	40	370	390	6XM24X36	209
30	1200000	480	790	209	480X8X30X58X8m	285	300	360	45	482	40	385	410	6XM24X36	209
31	1330000	500	790	232											
32	1500000	510	850	232											
33	1690000	530	900	251											
34	1920000	570	950	251											

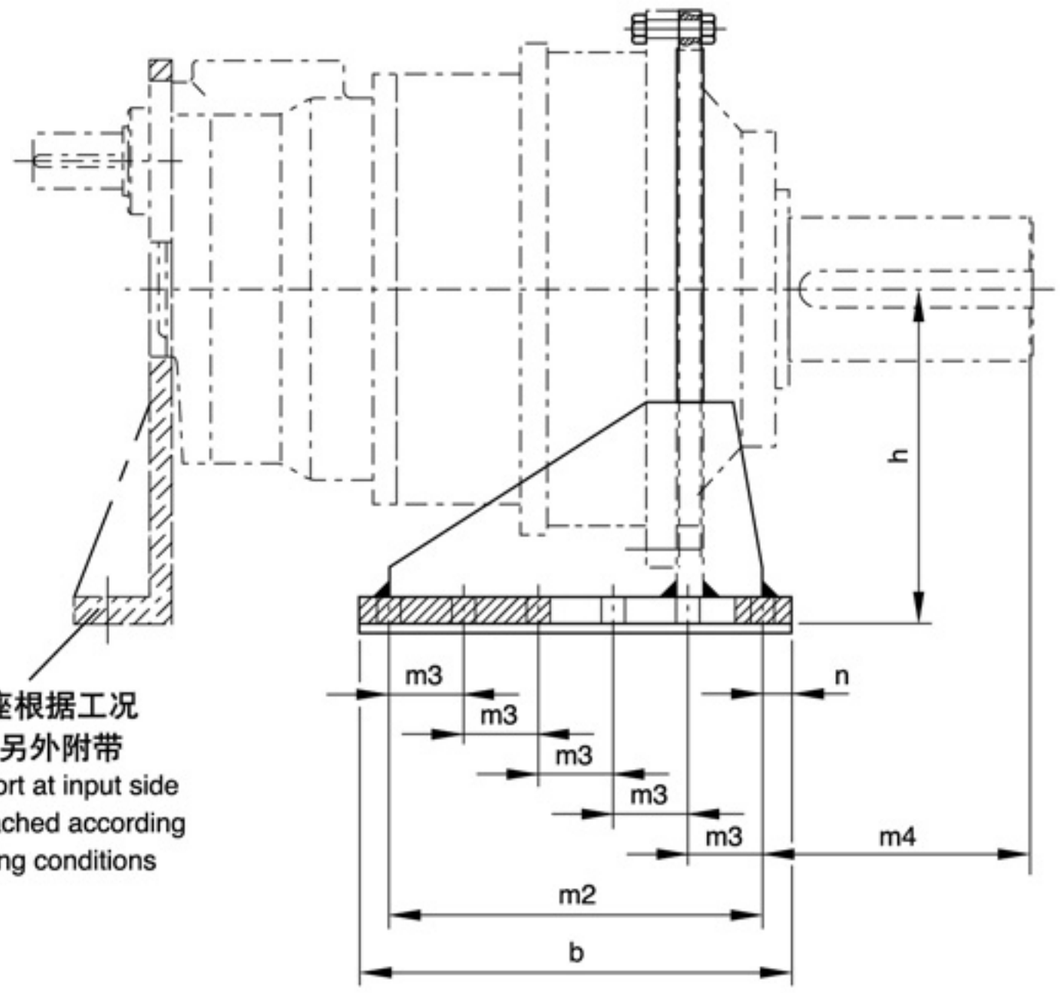
附件：

Attachments:

齿轮箱机座(附件代号-96):

Gear Housing Base:



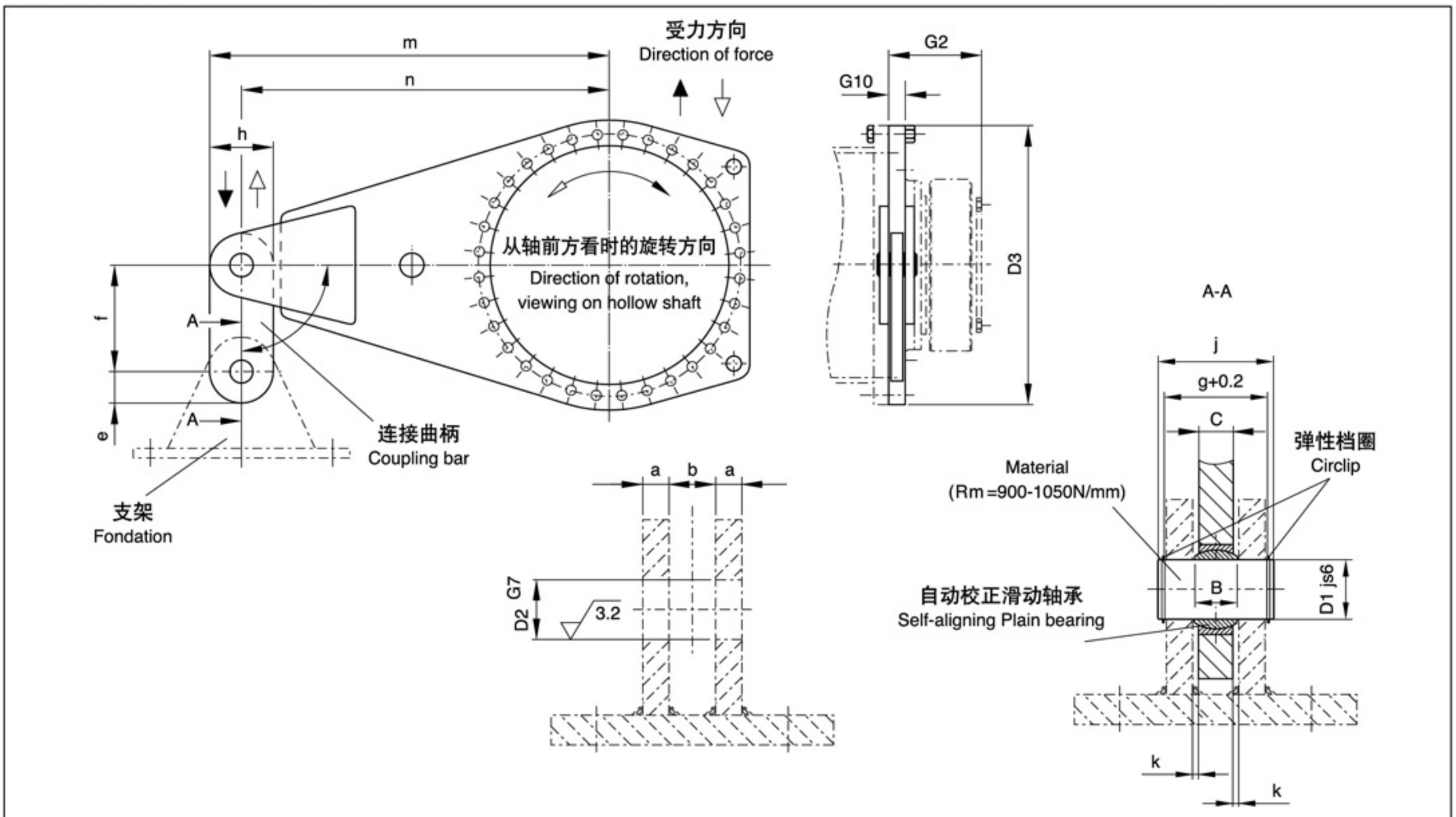


前支座根据工况
要求另外附带
The support at input side
will be attached according
to working conditions

Size	a	b	c	d	e	h	H	m1	m2	m3	m4	n	螺栓孔 Bolt		重量 Weight (kg)
													s*	数量 No.	
9	580	330	20	450	380	260	480	520	260	130	240	35	26	2X3	56
10	630	360	25	500	430	280	525	570	290	145	240	35	26	2X3	82
11	680	400	30	550	480	315	585	620	330	110	274	35	26	2X4	122
12	760	450	30	630	560	360	670	700	380	95	292	35	26	2X5	157
13	820	490	35	680	610	390	720	750	420	105	334	35	26	2X5	213
14	920	560	35	760	680	430	800	840	480	120	380	40	33	2X5	270
16	980	580	40	820	700	470	865	900	500	125	374	40	33	2X5	350
17	1130	670	45	940	810	540	998	1040	580	145	405	45	39	2X5	520
18	1180	720	45	980	830	560	1035	1080	620	155	385	50	39	2X5	580
19	1260	760	50	1050	880	590	1090	1160	640	160	450	60	45	2X5	720
20	1260	760	50	1050	880	590	1090	1160	640	160	500	60	45	2X5	720
21	1440	840	55	1170	1020	660	1228	1320	700	175	513	70	52	2X5	940
22	1440	840	55	1170	1020	660	1228	1320	700	175	513	70	52	2X5	940
23	1540	910	60	1270	1100	730	1345	1420	750	150	567	80	52	2X6	1275
24	1540	910	60	1270	1100	730	1345	1420	750	150	607	80	52	2X6	1275
25	1700	1000	65	1400	1240	795	1465	1550	860	215	574	70	62	2X5	1670
26	1700	1000	65	1400	1240	795	1465	1550	860	215	634	70	62	2X5	1670
27	1850	1100	70	1550	1370	870	1610	1700	950	190	664	75	62	2X6	2170
28	1850	1100	70	1550	1370	870	1610	1700	950	190	724	75	62	2X6	2170
29	1980	1180	75	1640	1460	925	1715	1820	1000	250	731	90	70	2X5	2650
30	1980	1180	75	1640	1460	925	1715	1820	1000	250	771	90	70	2X5	2650
31	2150	1300	75	1750	1570	1000	1845	1950	1100	220	773	100	70	2X6	3100
32	2150	1300	75	1750	1570	1000	1845	1950	1100	220	833	100	70	2X6	3100
33	2230	1350	85	1850	1630	1050	1940	2050	1150	230	883	100	78	2X6	3850
34	2230	1350	85	1850	1630	1050	1940	2050	1150	230	933	100	78	2X6	3850

单向扭力臂(附件代号-75)：

Torque Reaction Arm on one Side for coupling Bar:



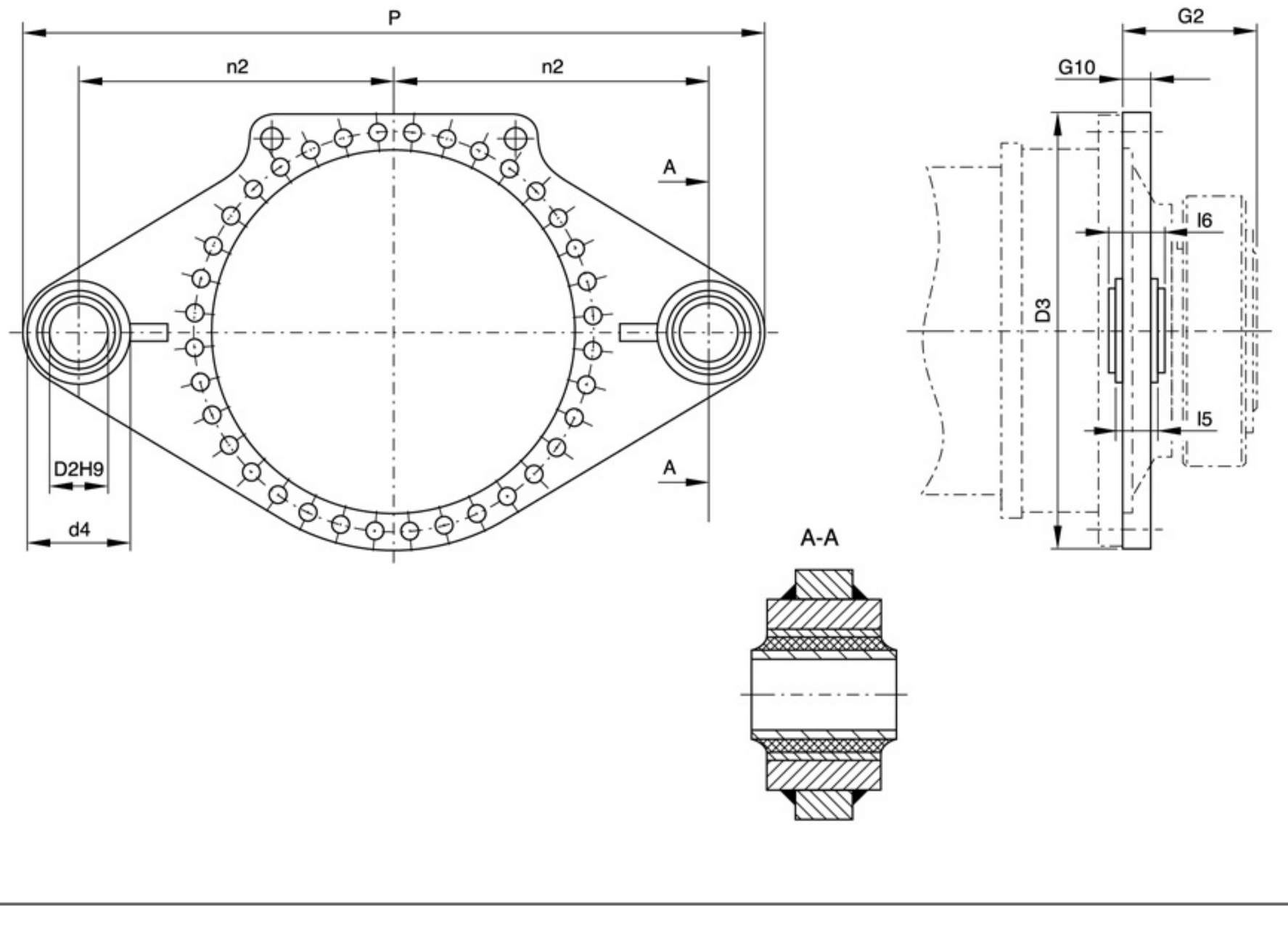
Size	T2N (N · m)	D1	D2	D3	G2	G10	a min.	b	B*	c	e	f	g +0.2	h	j	k	m	n	滑动轴承 Plain bearing	Weight (kg)
9	22000	30		440	165	25	15	25	22	18	50	140	59.5	100	70	3.5	605	555	30	38
10	31000	35		485	174	30	15	30	25	20	52.5	140	64.5	105	75	5	667.5	615	35	51
11	42000	40		540	204	30	18	30	28	22	65	160	70.5	130	85	4	750	685	40	82
12	60000	40		620	224	30	18	30	28	22	65	160	70.5	130	85	4	850	785	40	85
13	83000	45		665	241	35	20	35	32	25	72.5	180	79.5	145	95	5	912.5	840	45	113
14	117000	50		740	278	40	20	40	35	30	72.5	200	85	145	100	5	1012.5	940	50	145
16	160000	60		790	285	50	25	50	44	35	77.5	240	105	155	120	7.5	1077.5	1000	60	206
17	202000	60		915	294	50	25	50	44	35	85	240	105	170	120	7.5	1250	1165	60	274
18	244000	70		955	303	55	30	55	49	40	105	280	120	210	135	7.5	1315	1210	70	365
19	295000	80		1005	327.5	60	30	60	55	45	105	320	125	210	145	7.5	1405	1300	80	423
20	354000	80		1005	327.5	60	30	60	55	45	105	320	125	210	145	7.5	1405	1300	80	423
21	392000	80		1140	354	60	30	60	55	45	113	320	125	225	145	7.5	1562.5	1450	80	530
22	450000	80		1140	354	60	30	60	55	45	113	320	125	225	145	7.5	1562.5	1450	80	530
23	513000	90		1235	380	65	30	65	60	50	125	360	130	250	150	7.5	1700	1575	90	665
24	592000	90		1235	380	65	30	65	60	50	125	360	130	250	150	7.5	1700	1575	90	665
25	684000	100		1350	407	75	35	75	70	55	138	400	150	275	170	10	1857.5	1720	100	940
26	763000	100		1350	407	75	35	75	70	55	138	400	150	275	170	10	1857.5	1720	100	940
27	852000	110		1490	453	75	35	75	70	55	150	440	150	300	175	10	2050	1900	110	1120
28	950000	110		1490	453	75	35	75	70	55	150	440	150	300	175	10	2050	1900	110	1120
29	1060000	110		1600	483	75	35	75	70	55	158	440	150	315	175	10	2192.5	2035	110	1260
30	1200000	110		1600	483	75	35	75	70	55	158	440	150	315	175	10	2192.5	2035	110	1260
31-34	On request																			

*) B=22-35，公差为-0.12
B=44-55，公差为-0.15
B=60-70，公差为-0.20

*) Nominal size B=22-35, tolerance-0.12
Nominal size B=44-55, tolerance-0.15
Nominal size B=60-70, tolerance-0.20

带橡胶衬套的双向扭力臂(附件代号-76)：

Torque Reaction Arm on Two Sides with Rubber Bushes:

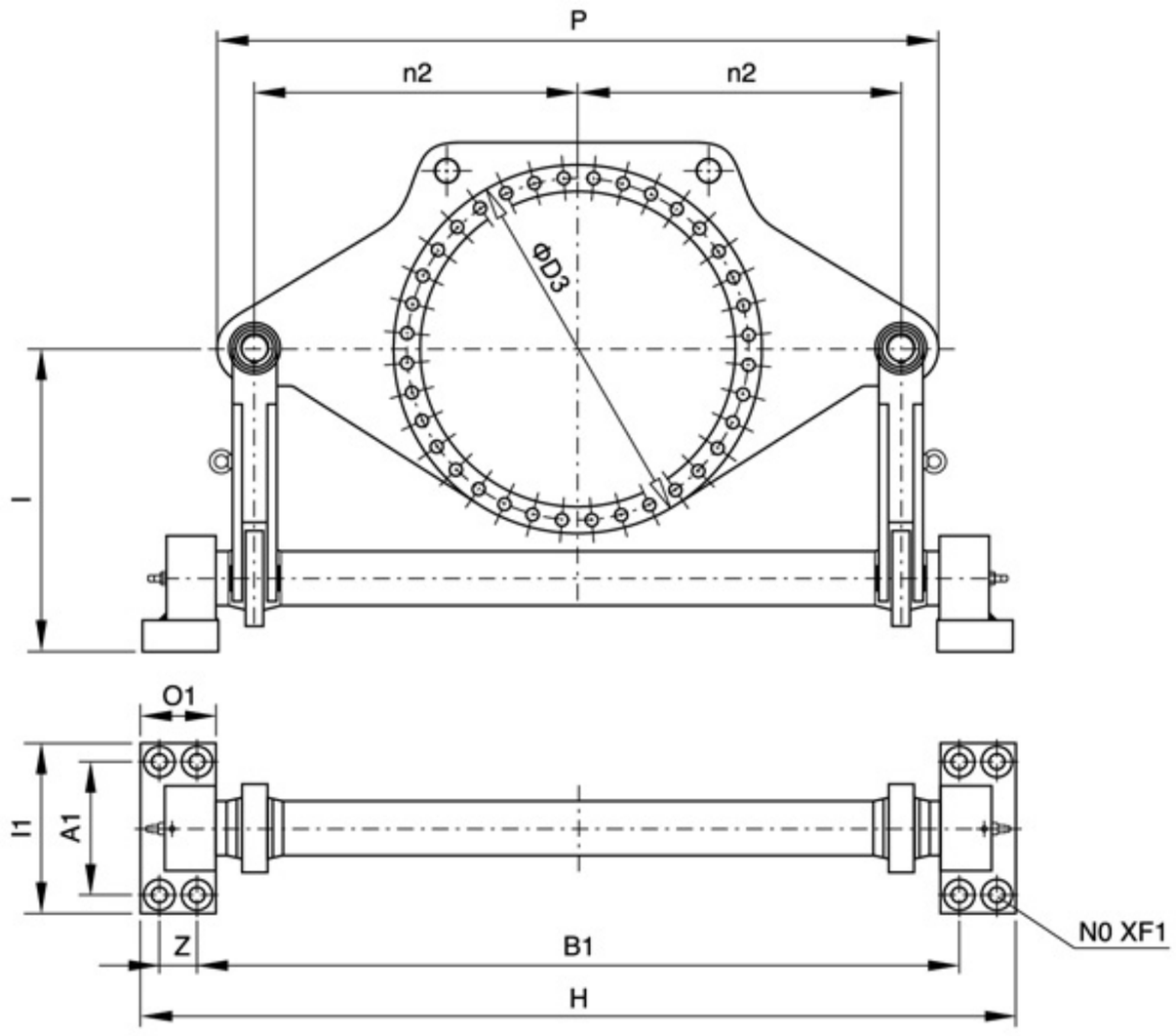


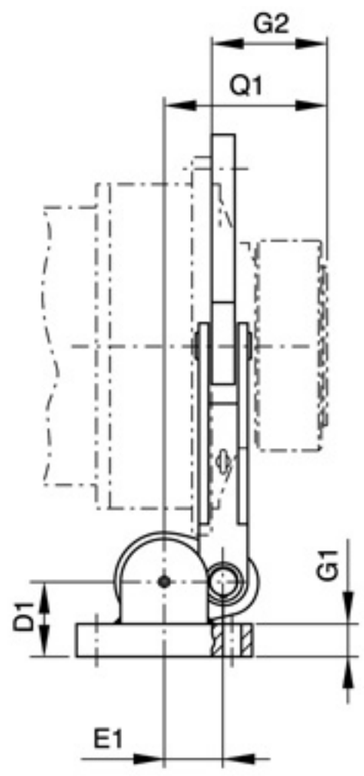
Size	T2N (N · m)	D2*	D3	d4	G2	G10	I5	I6	n2	P	衬套 Bush	质量 Weight (kg)
9	22000	50	440	115	165	30	100	110	500	1140	0118095	58
10	31000	50	485	115	174	30	100	110	500	1240	0118095	72
11	42000	100	540	180	204	30	110	120	575	1355	0118772	95
12	60000	100	620	180	224	35	110	120	625	1455	0118772	120
13	83000	110	665	210	241	35	170	180	600	1435	0118802	145
14	117000	110	740	210	278	40	170	180	650	1535	0118802	170
16	160000	124	790	240	285	40	220	230	700	1670	0118805	230
17	202000	124	915	240	288	40	220	230	750	1770	0118805	300
18	244000	124	955	240	303	50	220	230	900	2070	0118805	400

* 销轴 Pin: Φh8

扭转轴支架(附件代号-77):

Torsion Shaft Support:



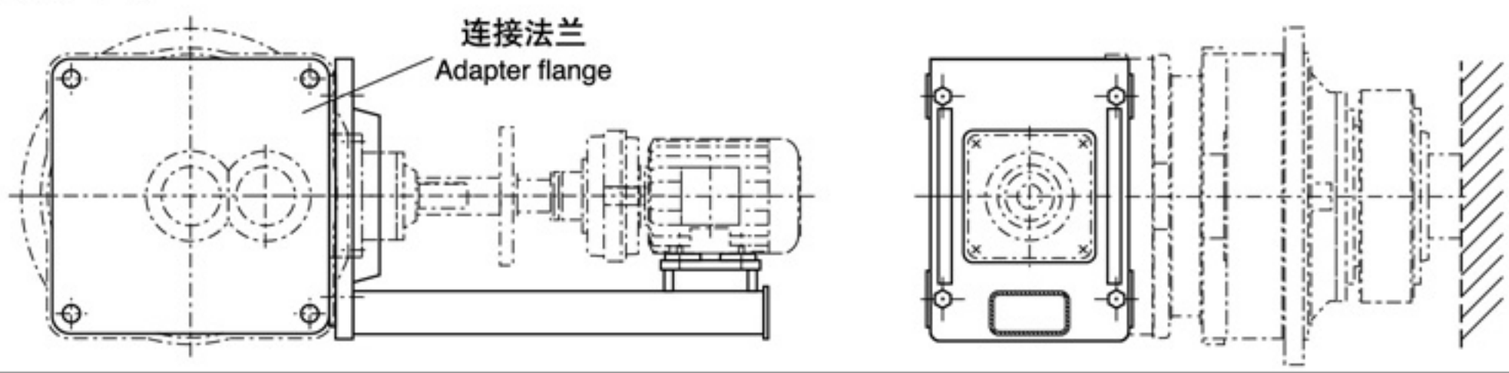


P

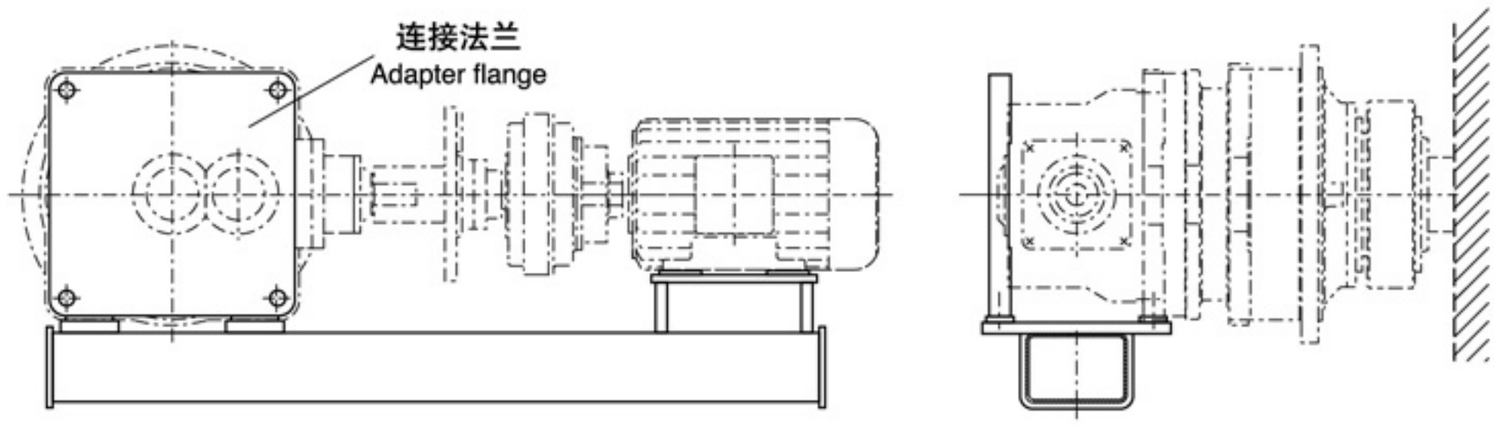
Size	T2N (N · m)	A1	B1	D3	D1	E1	F1	G1	G2	H	I	I1	n2	N0	O1	P	Q1	Z	重量 Weight (kg)
9	22000	250	1414	610	120	105	33	48.5	165	1619	560	330	550	8	140	1230	247.5	65	300
10	31000	250	1414	610	120	105	33	48.5	174	1619	560	330	550	8	140	1230	256.5	65	300
11	42000	250	1414	610	120	105	33	48.5	204	1619	560	330	550	8	140	1230	286.5	65	300
12	60000	250	1414	610	120	105	33	48.5	224	1619	560	330	550	8	140	1230	306.5	65	300
13	83000	280	1604	775	155	145	39	68.5	241	1837	620	380	650	8	158	1450	358.5	75	600
14	117000	280	1604	775	155	145	39	68.5	278	1837	620	380	650	8	158	1450	395.5	75	600
16	160000	280	1604	775	155	145	39	68.5	285	1837	620	380	650	8	158	1450	402.5	75	600
17	202000	315	1777	955	170	165	39	73.5	294	2041	700	400	750	8	180	1680	431.5	84	900
18	244000	315	1777	955	170	165	39	73.5	303	2041	700	400	750	8	180	1680	440.5	84	900
19	295000	350	2000	985	195	175	45	83.5	328	2300	860	450	850	8	200	1900	470.5	100	1400
20	354000	350	2000	985	195	175	45	83.5	328	2300	860	450	850	8	200	1900	470.5	100	1400
21	392000	400	2254	1120	210	190	45	88.5	354	2591	900	530	950	8	225	2110	506.5	113	1700
22	450000	400	2254	1120	210	190	45	88.5	354	2591	900	530	950	8	225	2110	506.5	113	1700
23	513000	450	2496	1215	235	220	45	98.5	380	2871	1060	590	1063	8	250	2385	562.5	125	2150
24	592000	450	2496	1215	235	220	45	98.5	380	2871	1060	590	1063	8	250	2385	562.5	125	2150
25	684000	500	2816	1350	275	245	52	118.5	407	3236	1200	650	1150	8	280	2600	614.5	140	2700
26	763000	500	2816	1350	275	245	52	118.5	407	3236	1200	650	1150	8	280	2600	614.5	140	2700
27	852000	530	2887	1490	300	255	52	128.5	453	3327	1250	700	1250	8	290	2820	670.5	150	3400
28	950000	530	2887	1490	300	255	52	128.5	453	3327	1250	700	1250	8	290	2820	670.5	150	3400
29	1060000	560	3200	1565	300	280	62	128.5	483	3673	1350	750	1360	8	315	3080	718	158	4350
30	1200000	560	3200	1565	300	280	62	128.5	483	3673	1350	750	1360	8	315	3080	718	158	4350
31	1330000	590	3408	1695	340	300	70	148.5	538	3906	1400	790	1450	8	330	3260	788	168	5500
32	1500000	590	3408	1695	340	300	70	148.5	538	3906	1400	790	1450	8	330	3260	788	168	5500
33	1680000	620	3588	1785	375	320	70	158.5	573	4116	1500	840	1550	8	350	3520	840.5	178	7000
34	1920000	620	3588	1785	375	320	70	158.5	573	4116	1500	840	1500	8	350	3520	840.5	178	7000

电机安装支架: Motor Bracket:

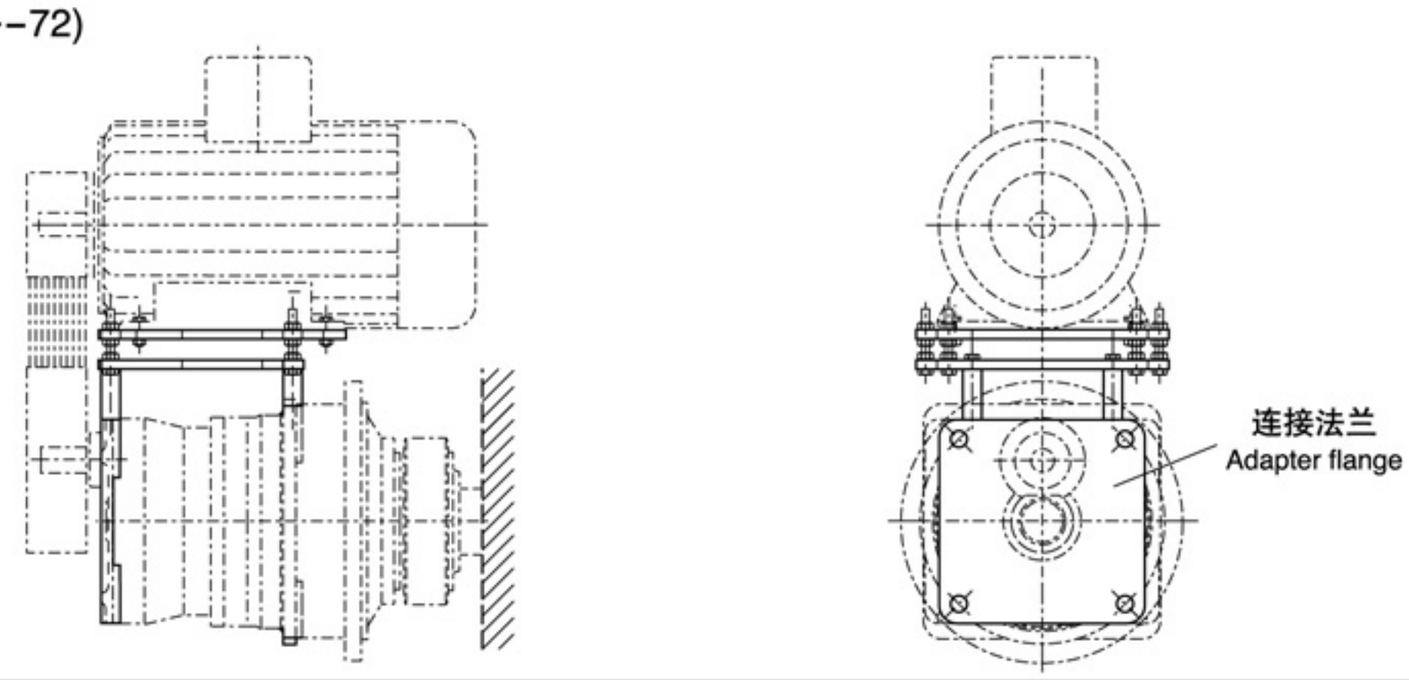
电机安装支架(附件代号-71)
Motor bracket



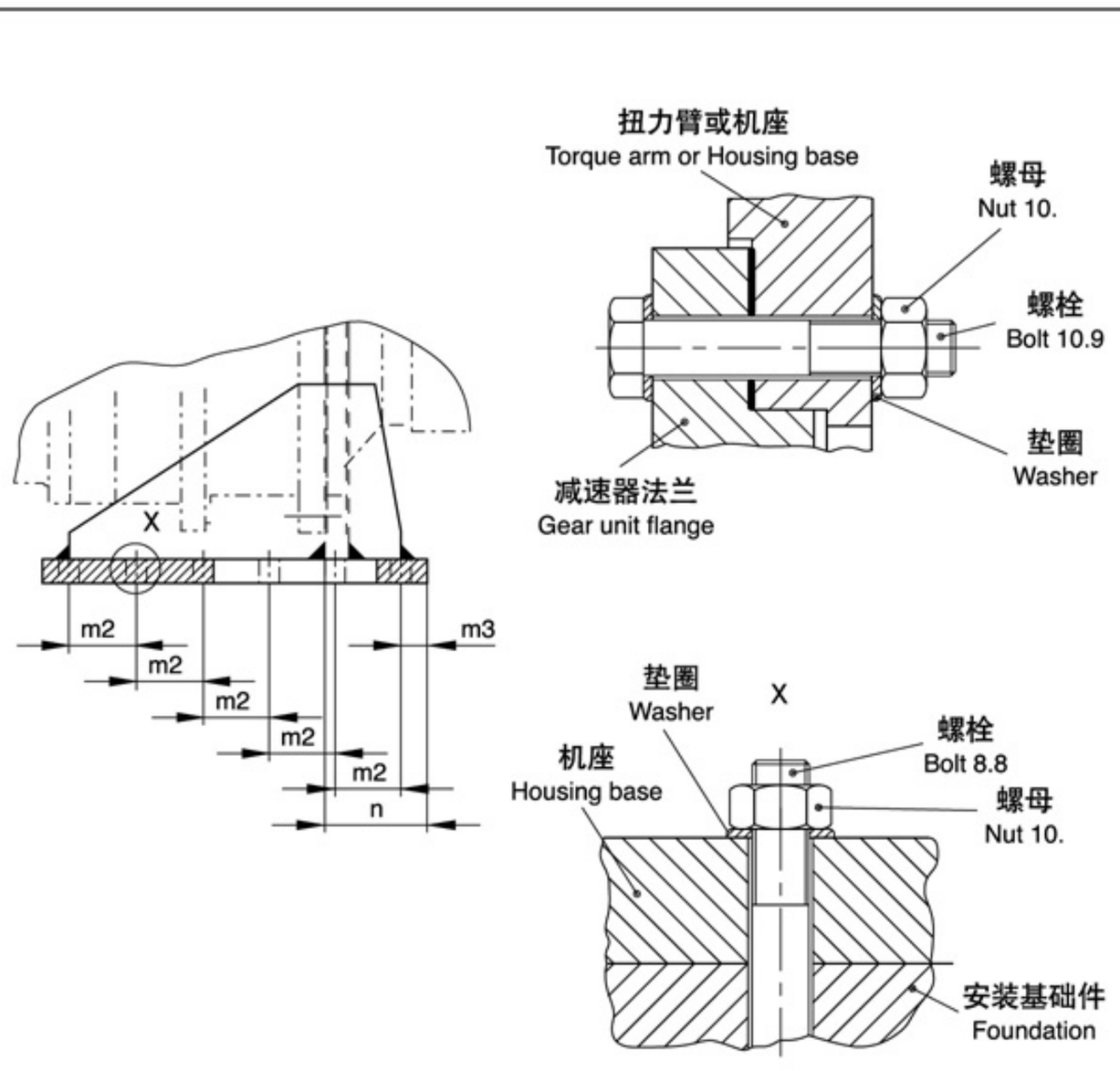
电机安装支架(附件代号-71)
Motor bracket



卧式电机安装支架(附件代号-72)
Motor bracket



法兰联接及底座安装时螺母的预紧扭矩: Tightening Torques for Flange Connections and Foot-mounted Design:



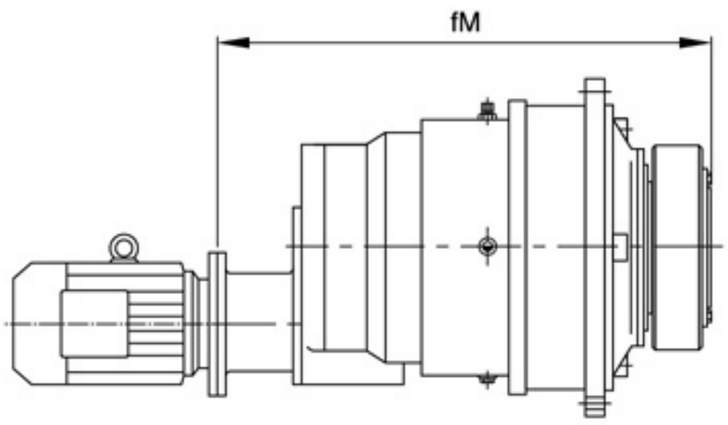
Size	Flange attachment		Base attachment	
	螺栓 Thread (10.9)	预紧扭矩 Tightening torque (N · m)	螺栓 Thread (8.5)	预紧扭矩 Tightening torque (N · m)
9	M16	295	M24	710
10	M16	295	M24	710
11	M20	580	M24	710
12	M24	1000	M24	710
13	M24	1000	M24	710
14	M24	1000	M30	1450
16	M24	1000	M30	1450
17	M30	2000	M36	2530
18	M30	2000	M36	2530
19/20	M30	2000	M42	4070
21/22	M36	3560	M48	6140
23/24	M36	3560	M48	6140
25/26	M42	5720	M56	9840
27/28	M48	8640	M56	9840
29/30	M48	8640	M64	14300
31/32	M56	13850	M64	14300
33/34	M56	13850	M64	14300

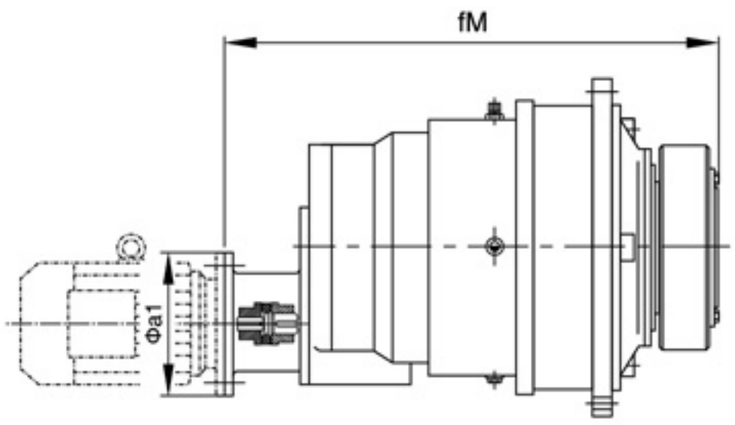
P系列减速机带电机法兰输入：

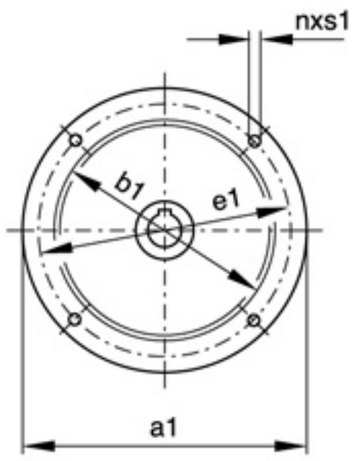
Planetary gear units with motor flange and coupling:

P2S. 带电机、输入法兰及联轴器尺寸:

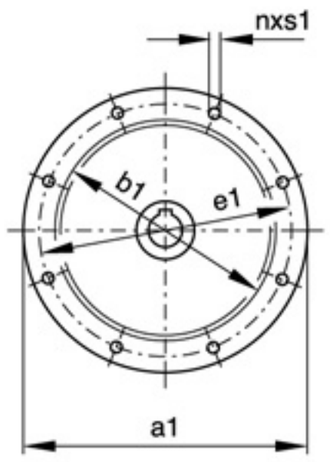
Type P2S. With Motor Bell Housing and Coupling:



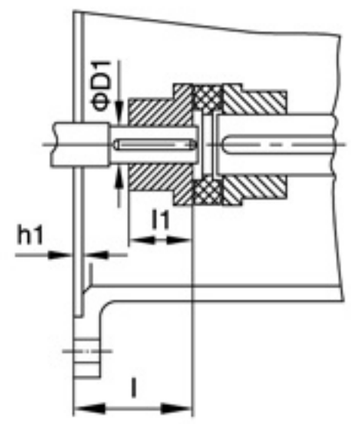




a1=250 up to 400



a1=450 up to 800



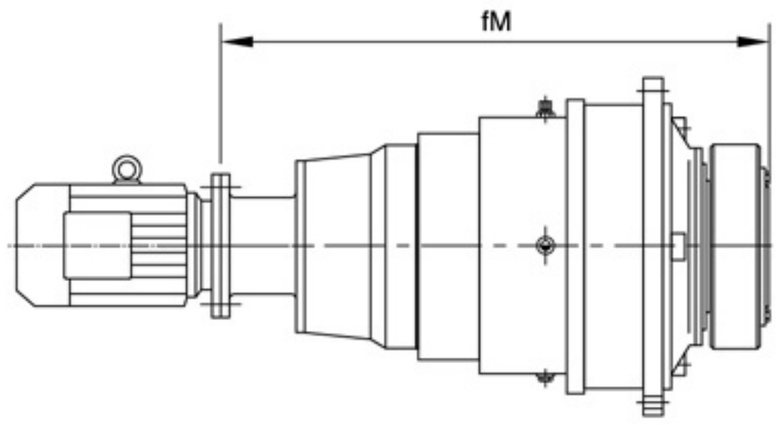
P2S.	电机 Motor (Y)*	法兰 Flange (F)**	a1	b1(h7)	D1	e1	fM	h1	l1	l	n	s1
9	160		350	250	42	300	832	6	75	110	4	M16
	180		350	250	48	300	832	6	75	110	4	M16
10	160		350	250	42	300	861	6	75	110	4	M16
	180		350	250	48	300	861	6	75	110	4	M16
11	160		350	250	42	300	1010	6	75	110	4	M16
	180		350	250	48	300	1010	6	75	110	4	M16
	200		400	300	55	350	1010	7	75	110	4	M16
12	160		350	250	42	300	1044	6	75	110	4	M16
	180		350	250	48	300	1044	6	75	110	4	M16
	200		400	300	55	350	1044	7	75	110	4	M16
13	225		450	350	60	400	1247	7	90	140	8	M16
	250		550	450	65	500	1247	8	90	140	8	M16
14	225		450	350	60	400	1307	7	90	140	8	M16
	250		550	450	65	500	1307	8	90	140	8	M16
16	250		550	450	65	500	1452	7	100	140	8	M16
	280		550	450	75	500	1452	8	100	140	8	M16
17	250		550	450	65	500	1487	7	100	140	8	M16
	280		550	450	75	500	1487	8	100	140	8	M16
18	315		660	550	80	600	1680	11	110	140	8	M20
19,20	315		660	550	80	600	1728	11	110	140	8	M20

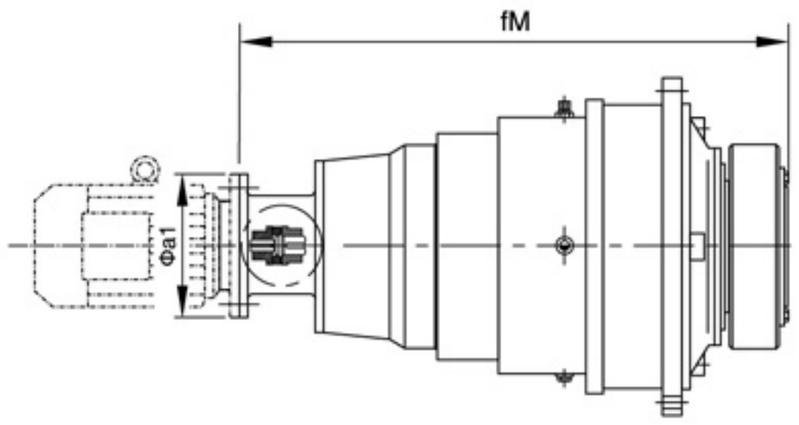
注：(1)“*”所选直联电机机座号所对应的功率应满足传动能力表；
“**”表格中所示的法兰为标准型号的法兰，如有异同请另咨询。
(2)侧面扭力臂组合，请咨询。

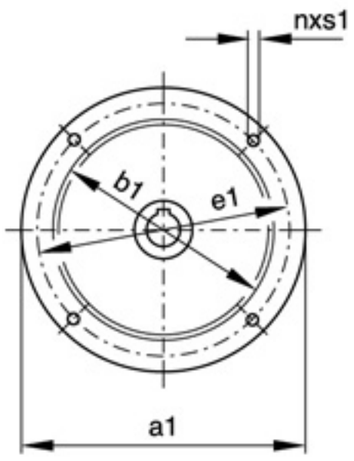
Note: (1)“*” Power of selected motor must meet transmission table.
“**” Indicate standard flange, if special dimension is needed, please consult us.
(2) For combinations with torque arm on one side, please refer to us.

P3N. 带电机法兰及联轴器尺寸:

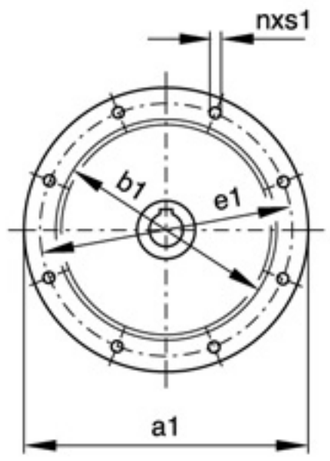
Type P3N. With Motor Bell Housing and Coupling:



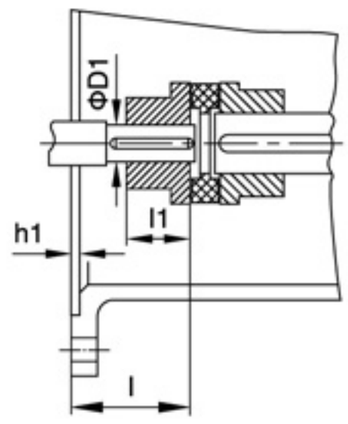




a1=250 up to 400



a1=450 up to 800



P

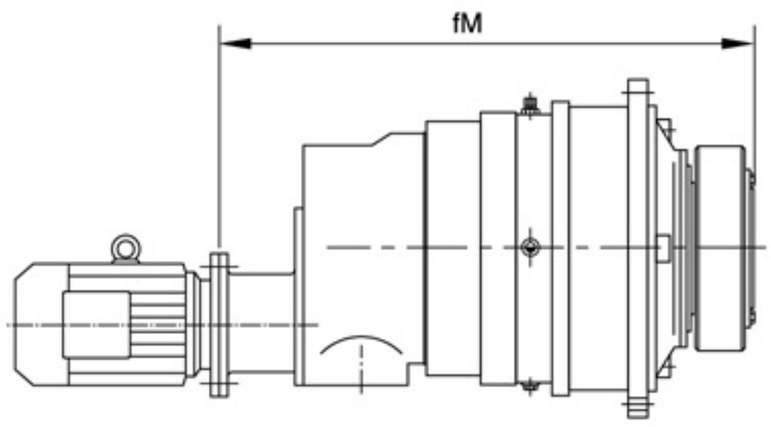
P3N.	电机 Motor (Y)*	法兰 Flange (F)**	a1	b1(h7)	D1	e1	fM	h1	l1	l	n	s1
9	132		300	230	38	265	912	5	56	80	4	M12
	160		350	250	42	300	960	6	80	110	4	M16
	180		350	250	48	300	960	6	80	110	4	M16
10	132		300	230	38	265	941	5	56	80	4	M12
	160		350	250	42	300	989	6	80	110	4	M16
	180		350	250	48	300	989	6	80	110	4	M16
11	132		300	230	38	265	1002	5	56	80	4	M12
	160		350	250	42	300	1050	6	80	110	4	M16
	180		350	250	48	300	1050	6	80	110	4	M16
12	132		300	230	38	265	1036	5	56	80	4	M12
	160		350	250	42	300	1084	6	80	110	4	M16
	180		350	250	48	300	1084	6	80	110	4	M16
13	160		350	250	42	300	1159	6	80	110	4	M16
	180		350	250	48	300	1159	6	80	110	4	M16
	200		400	300	55	350	1159	7	80	110	4	M16
14	160		350	250	42	300	1219	6	80	110	4	M16
	180		350	250	48	300	1219	6	80	110	4	M16
	200		400	300	55	350	1219	7	80	110	4	M16
16	200		400	300	55	350	1400	7	90	110	4	M16
	225		450	350	60	400	1430	7	90	140	8	M16
17	200		400	300	55	350	1435	7	90	110	4	M16
	225		450	350	60	400	1465	7	90	140	8	M16
18	250		550	450	65	500	1636.5	7	100	140	8	M16
	280		550	450	75	500	1636.5	8	100	140	8	M16
19,20	250		550	450	65	500	1685	7	100	140	8	M16
	280		550	450	75	500	1685	8	100	140	8	M16

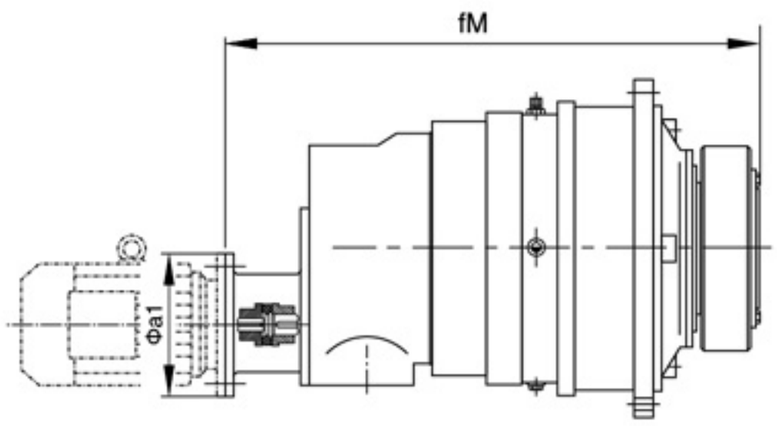
注：(1)“*”所选直联电机机座号所对应的功率应满足传动能力表；
“**”表格中所示的法兰为标准型号的法兰，如有异同请另咨询。
(2)侧面扭力臂组合，请咨询。

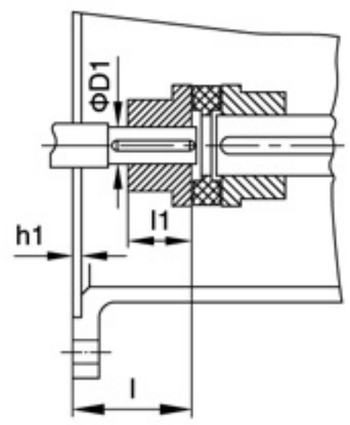
Note: (1)“*”Power of selected motor must meet transmission table.
“**”Indicate standard flange, if special dimension is needed, please consult us.
(2) For combinations with torque arm on one side, please refer to us.

P3S. 带电机法兰及联轴器尺寸:

Type P3S. With Motor Bell Housing and Coupling:







P

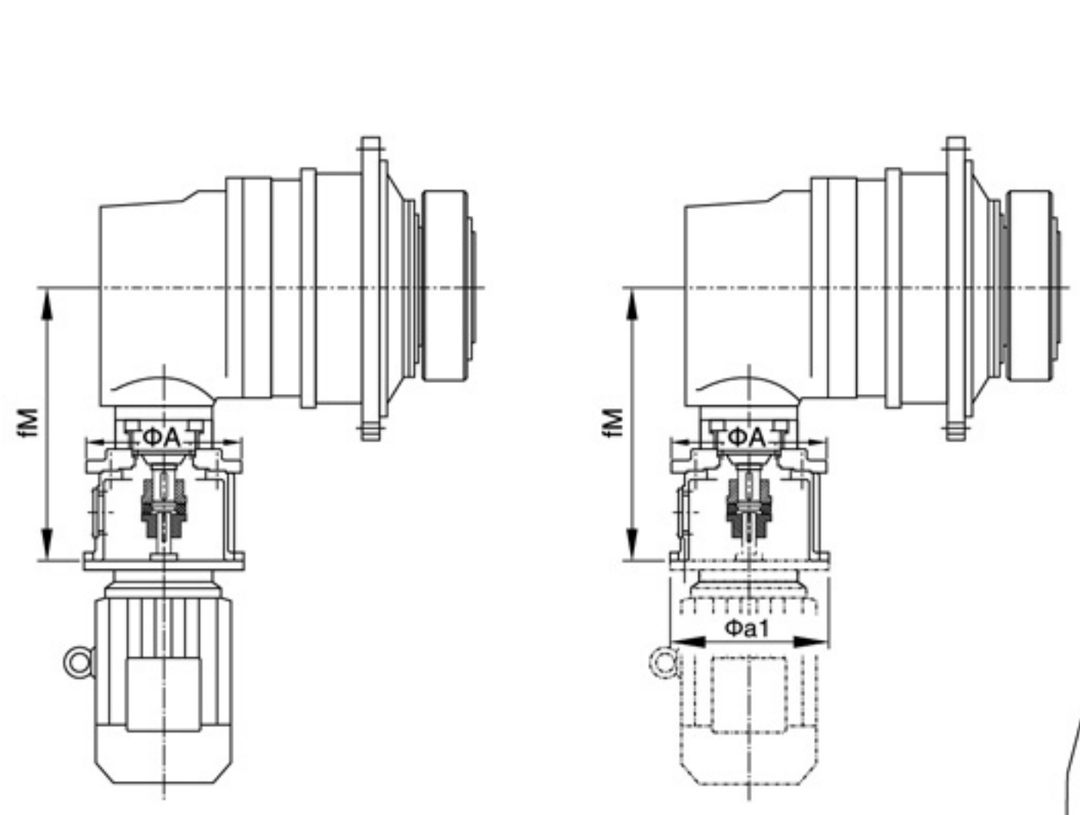
P3S.	电机 Motor (Y)*	法兰 Flange (F)**	a1	b1	D1	e1	fM	h1	l1	l	n	s1
9	100		250	180	28	215	865	5	45	60	4	M12
	112		250	180	28	215	865	5	45	60	4	M12
	132		300	230	38	265	896	5	70	80	4	M12
	160		350	250	42	300	931	6	75	110	4	M16
10	100		250	180	28	215	894	5	45	60	4	M12
	112		250	180	28	215	894	5	45	60	4	M12
	132		300	230	38	265	925	5	70	80	4	M12
	160		350	250	42	300	957	6	75	110	4	M16
11	112		250	180	28	215	955	5	45	60	4	M12
	132		300	230	38	265	986	5	70	80	4	M12
	160		350	250	42	300	1018	6	75	110	4	M16
	180		350	250	48	300	1018	6	75	110	4	M16
12	112		250	180	28	215	989	5	45	60	4	M12
	132		300	230	38	265	1020	5	70	80	4	M12
	160		350	250	42	300	1052	6	75	110	4	M16
	180		350	250	48	300	1052	6	75	110	4	M16
13	132		300	230	38	265	1095	5	70	80	4	M12
	160		350	250	42	300	1127	6	75	110	4	M16
	180		350	250	48	300	1127	6	75	110	4	M16
14	132		300	230	38	265	1155	5	70	80	4	M12
	160		350	250	42	300	1187	6	75	110	4	M16
	180		350	250	48	300	1187	6	75	110	4	M16
16	160		350	250	42	300	1365	6	75	110	4	M16
	180		350	250	48	300	1365	6	75	110	4	M16
	200		400	300	55	350	1365	7	75	110	4	M16
17	160		350	250	42	300	1390	6	75	110	4	M16
	180		350	250	48	300	1390	6	75	110	4	M16
	200		400	300	55	350	1400	7	75	110	4	M16
18	180		350	250	48	300	1558.5	6	90	110	4	M16
	200		400	300	55	350	1570.5	6	90	110	4	M16
	225		450	350	60	400	1608.5	7	90	110	8	M16
	250		550	450	65	500	1608.5	7	90	110	8	M16
19,20	180		350	250	48	300	1606	6	90	110	4	M16
	200		400	300	55	350	1618	6	90	110	4	M16
	225		450	350	60	400	1656	7	90	110	8	M16
	250		550	450	65	500	1656	7	90	110	8	M16

注：(1)“*”所选直联电机机座号所对应的功率应满足传动能力表；
“**”表格中所示的法兰为标准型号的法兰，如有异同请另咨询。
(2)侧面扭力臂组合，请咨询。

Note: (1)“*”Power of selected motor must meet transmission table.
“**”Indicate standard flange, if special dimension is needed, please consult us.
(2) For combinations with torque arm on one side, please refer to us.

P2K. 带电机法兰及联轴器尺寸:

Type P2K. With Motor Bell Housing and Coupling:



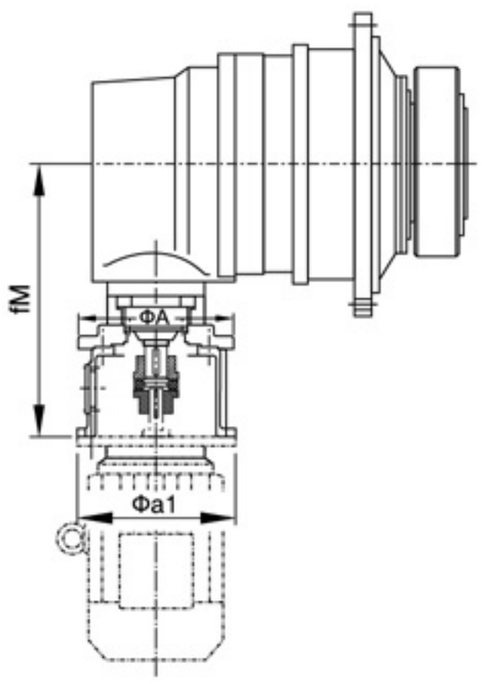
P2K.	电机 Motor (Y)*	法兰 Flange (F)**	a1	A	b1	D1	e1	fM	h1	l	l1	n	s1
9,10	132		300	250	230	38	265	486	5	80	70	4	M12
	160		350	250	250	42	300	528	6	110	75	4	M16
11,12	160		350	300	250	42	300	593	6	110	75	4	M16
	180		350	350	250	48	300	593	6	110	75	4	M16
	200		400	350	300	55	350	593	7	110	75	4	M16
13,14	160		350	440	250	42	300	663	6	110	75	4	M16
	180		350	440	250	48	300	663	6	110	75	4	M16
	200		400	440	300	55	350	663	7	110	75	4	M16
	225		450	440	350	60	400	695	7	140	80	8	M16
	250		550	440	450	65	500	707	8	140	85	8	M16
16,17	200		400	440	300	55	350	770	7	110	80	4	M16
	225		425	440	350	60	400	800	7	140	80	8	M16
	250		550	440	450	65	500	812	8	140	85	8	M16
	280		550	440	450	75	500	812	8	140	85	8	M16
18,19,20	225		450	440	350	60	400	932	7	140	80	8	M16
	250		550	440	450	65	500	932	8	140	85	8	M16
	280		550	440	450	75	500	932	8	140	85	8	M16
	315*		660	440	550	80	600	967	11	170	100	8	M20

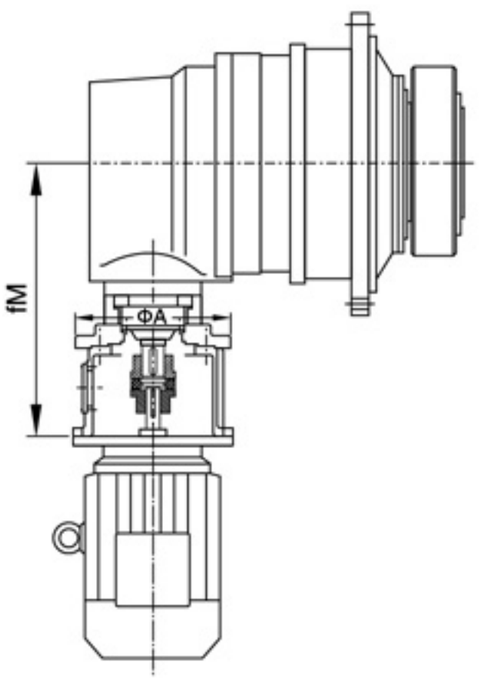
注：(1)“*”所选直联电机机座号所对应的功率应满足传动能力表；
“**”表格中所示的法兰为标准型号的法兰，如有异同请另咨询。
(2)侧面扭力臂组合，请咨询。

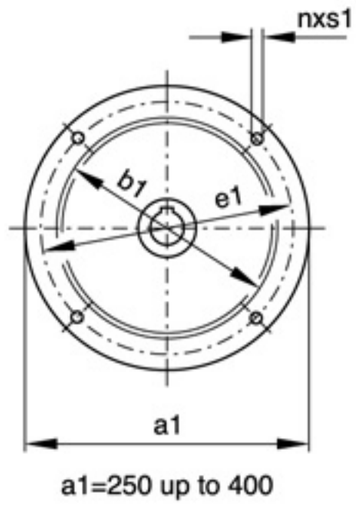
Note: (1)“*”Power of selected motor must meet transmission table.
“**”Indicate standard flange, if special dimension is needed, please consult us.
(2) For combinations with torque arm on one side, please refer to us.

P2L. 带电机法兰及联轴器尺寸:

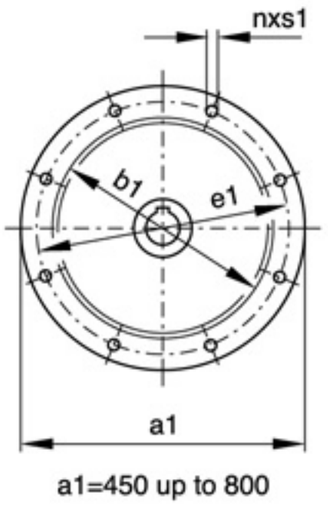
Type P2L. With Motor Bell Housing and Coupling:



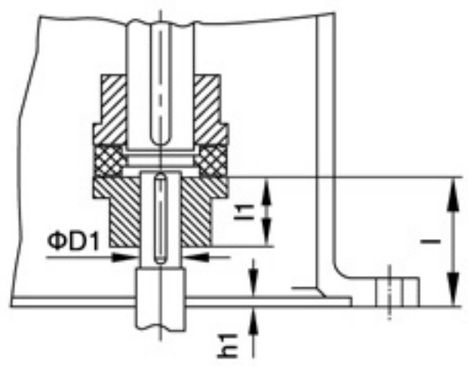




a1=250 up to 400



a1=450 up to 800



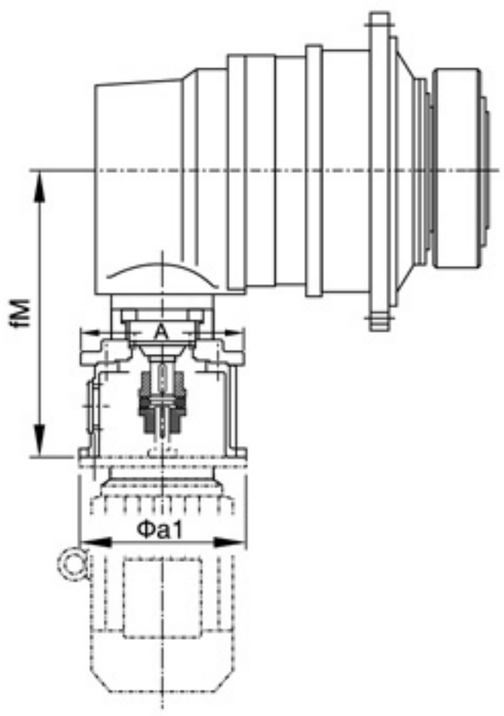
P2L.	电机 Motor (Y)*	法兰 Flange (F)**	a1	A	b1	D1	e1	fM	h1	l	l1	n	s1
9,10	160		350	440	250	42	300	543	6	110	75	4	M16
	180		350	440	250	48	300	543	6	110	75	4	M16
	200		400	440	300	55	350	543	7	110	75	4	M16
	225		450	440	350	60	400	575	7	140	80	8	M16
11,12	200		400	440	300	55	350	600	7	110	75	4	M16
	225		450	440	350	60	400	630	7	140	80	8	M16
	250		550	440	450	65	500	642	8	140	85	8	M16
13,14	225		450	440	350	60	400	732	7	140	85	8	M16
	250		550	440	450	65	500	732	8	140	85	8	M16
	280		550	440	450	75	500	732	8	140	85	8	M16
16,17	280		550	600	450	75	500	842	8	140	100	8	M16
	315*		660	650	550	80	600	872	11	170	100	8	M20
	315MC		660	650	550	80	600	872	11	170	100	8	M20
	315MD		660	650	550	80	600	872	11	170	100	8	M20
	315LB		660	650	550	80	600	987	11	170	100	8	M20
18,19,20	315*		660	650	550	80	600	987	11	170	100	8	M20
	315MC		660	650	550	80	600	987	11	170	100	8	M20
	315MD		660	650	550	80	600	987	11	170	100	8	M20
	315LB		660	650	550	80	600	1122	11	170	100	8	M20
21,22,23,24	315MC		660	650	550	80	600	1122	11	170	125	8	M20
	315MD		660	650	550	80	600	1122	11	170	125	8	M20
	315LB		660	650	550	80	600	1122	11	170	125	8	M20
	355MB		800	650	680	95	740	1122	11	170	125	8	M20
	355LB		800	650	680	95	740	1122	11	170	125	8	M20

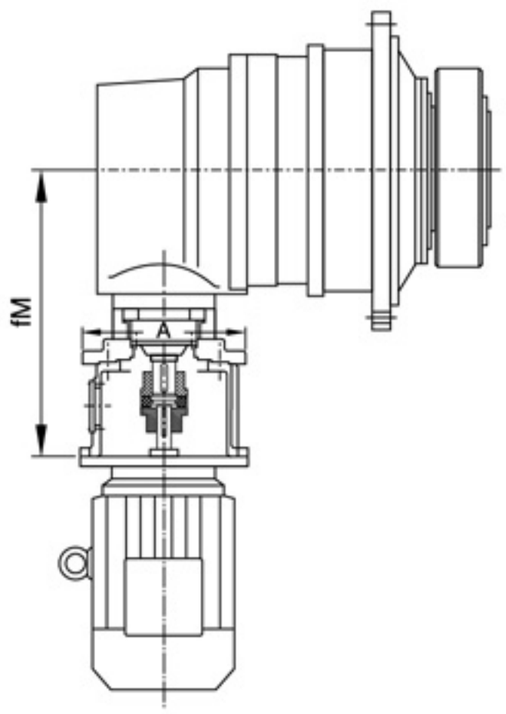
注：(1)“*”所选直联电机机座号所对应的功率应满足传动能力表；
“**”表格中所示的法兰为标准型号的法兰，如有异同请另咨询。
(2)侧面扭力臂组合，请咨询。

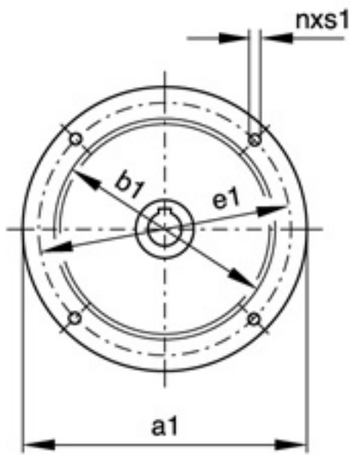
Note: (1)“*” Power of selected motor must meet transmission table.
“**” Indicate standard flange, if special dimension is needed, please consult us.
(2) For combinations with torque arm on one side, please refer to us.

P3K. 带电机法兰及联轴器尺寸:

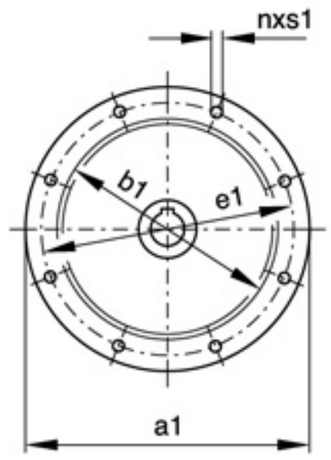
Type P3K. With Motor Bell Housing and Coupling:



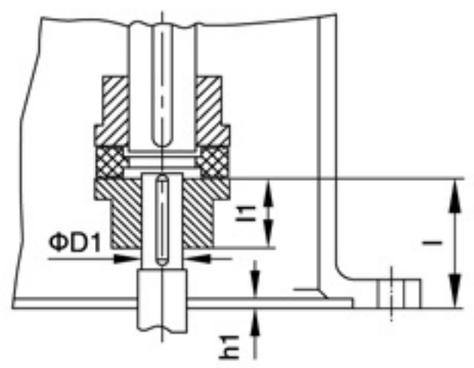




a1=250 up to 400



a1=450 up to 800



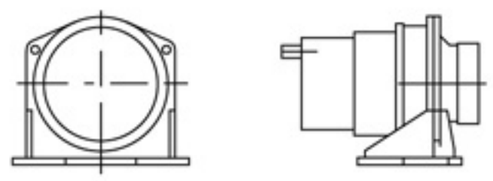
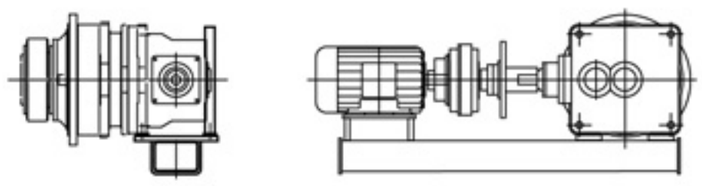
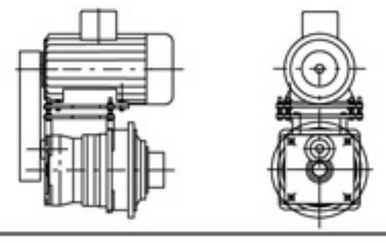
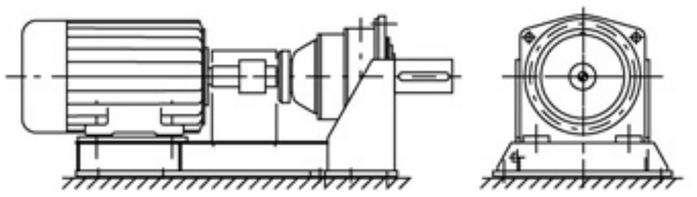
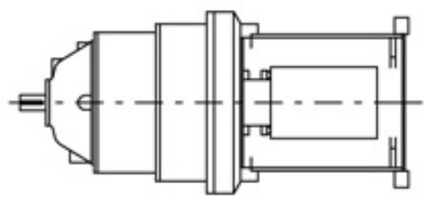
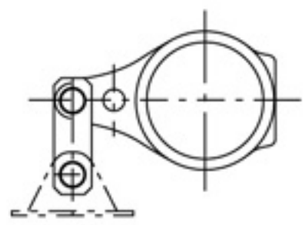
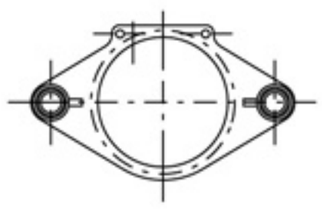
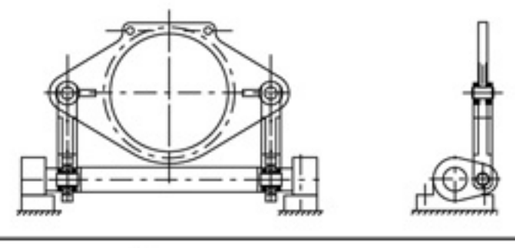
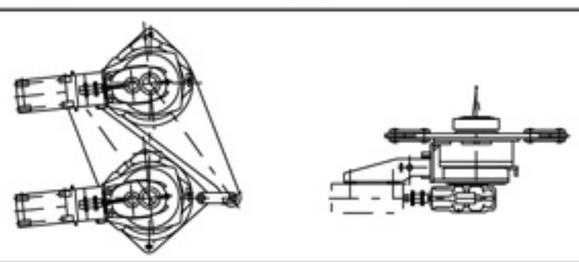
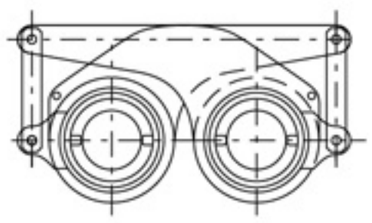
P3K.	电机 Motor (Y)*	法兰 Flange (F)**	a1	A	b1	D1	e1	fM	h1	l	l1	n	s1
9,10,11 12,13,14	132		300	250	230	38	265	486	5	80	70	4	M12
	160		350	250	250	42	300	528	6	110	75	4	M16
	180		350	250	250	48	300	528	6	110	75	4	M16
16,17	160		350	350	250	42	300	593	6	110	75	4	M16
	180		350	350	250	40	300	593	6	110	75	4	M16
	200		400	350	300	55	350	593	7	110	75	4	M16
18,19,20 21,22	160		350	440	250	42	300	663	6	110	75	4	M16
	180		350	440	250	48	300	663	6	110	75	4	M16
	200		400	440	300	35	350	663	7	110	75	4	M16
	225		450	440	350	60	400	695	7	140	80	8	M16
	250		550	440	450	65	500	707	8	140	85	8	M16
23,24 25,26	200		400	440	300	55	350	770	6	110	80	4	M16
	225		450	440	350	60	400	800	7	140	80	8	M16
	250		550	440	450	62	500	812	7	140	85	8	M16
	280		550	440	450	75	500	812	8	140	85	8	M16
27,28 29,30	225		450	440	350	60	400	932	7	140	85	8	M16
	250		550	440	450	65	500	932	7	140	85	8	M16
	280		550	440	450	75	500	932	8	140	85	8	M16
	315*		660	440	550	80	600	967	11	170	100	8	M20

注：(1)“*”所选直联电机机座号所对应的功率应满足传动能力表；
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(2)侧面扭力臂组合，请咨询。

Note: (1)“*”Power of selected motor must meet transmission table.
“**”Indicate standard flange, if special dimension is needed, please consult us.
(2) For combinations with torque arm on one side, please refer to us.

P

附件代号：　　Symbol of Add-on Pieces:

代　号 Symbol	附　件 Add-on piece	示　例 Representation
99	不带附件 Without add-on piece	
96	带机座 Gear housing base	
71	电机机架 (电机、联轴器) Motor bracket (motor,coupling)	
72	电机机架 Motor bracket	
73	电机移动机座 (电机、联轴器、齿轮箱) Motor swing-base (motor,coupling,gear unit)	
74*	钟型罩式法兰 (输出) Bell housing (output)	
75	扭力臂 (单向) Torque reaction arm (on one side)	
76	扭力臂 (双向) Torque reaction arm (on both sides)	
77	扭转轴支架 Torsion shaft support	
80	支架 I Support I	
81	支架 II Support II	
	特殊设计按客户要求供货。　　Special design on request	

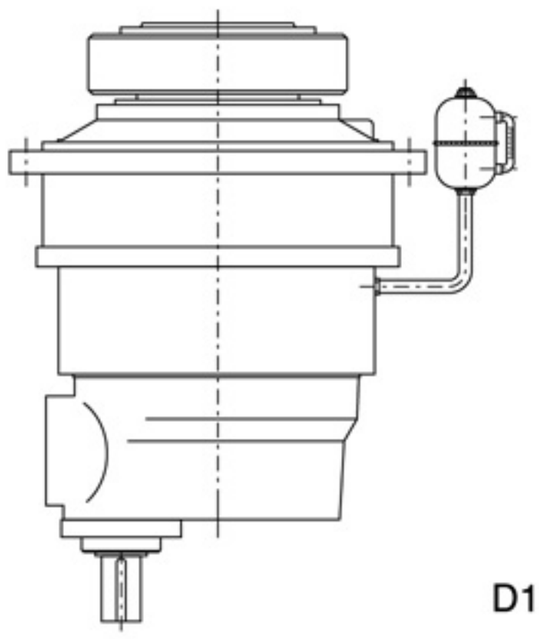
* 非刚性联接　　* Not for rigid couplings

P系列行星齿轮箱垂直安装时润滑油补偿油箱

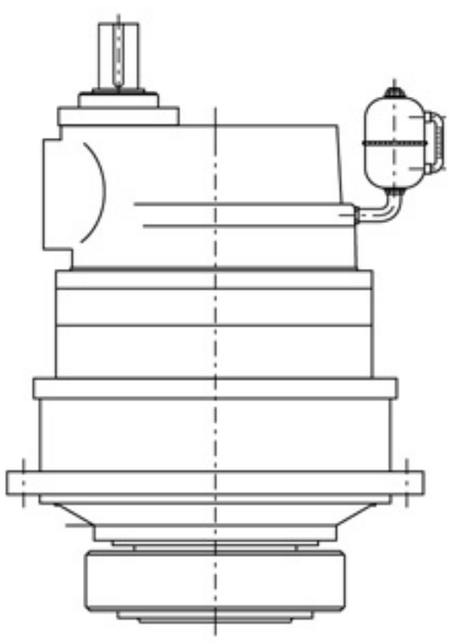
Planetary Gear Units Oil Compensating Tank for Vertical Mounting Position

安装方位为V1、V3、V11、V31时采用润滑油补偿油箱：

Oil supply by compensating tank for vertical mounting position V1,V3,V11and V31



D1



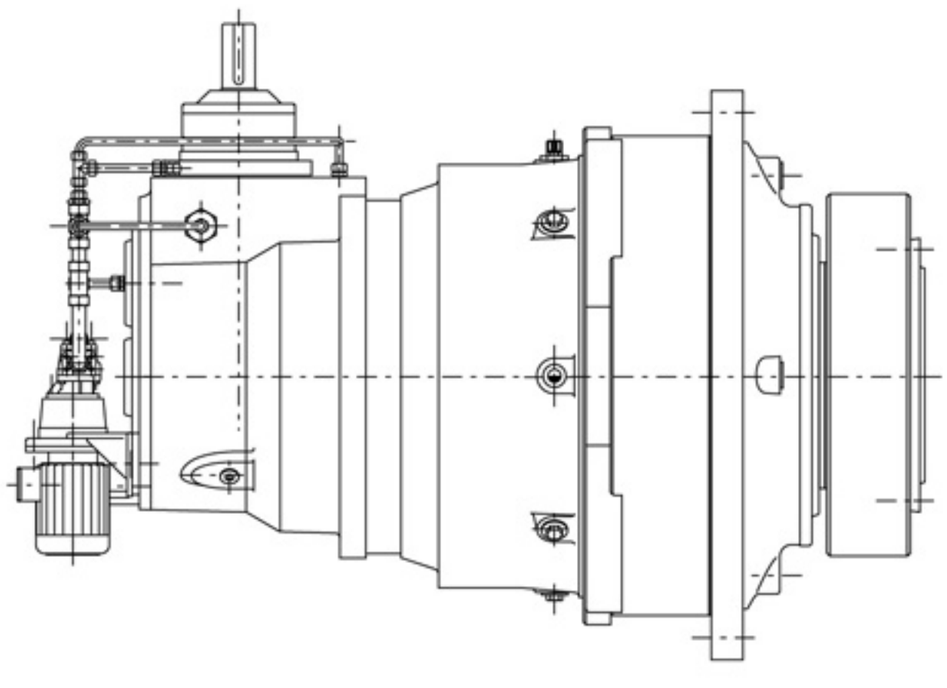
D2

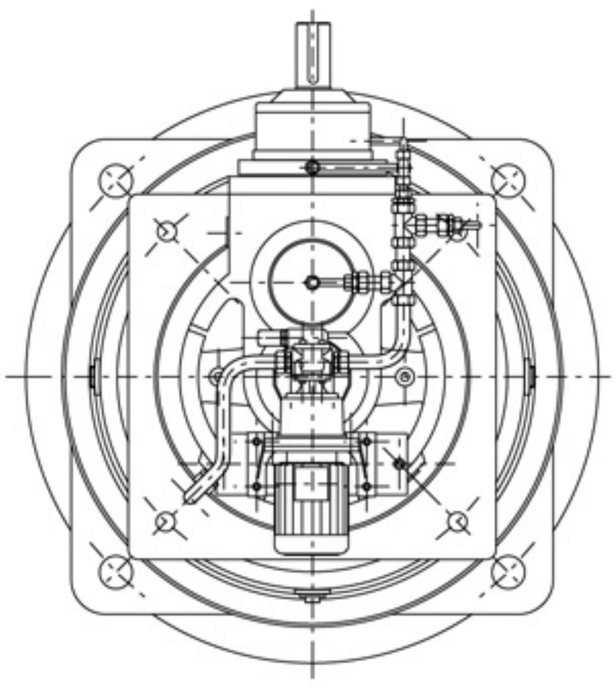
在垂直安装条件下，正常的润滑方式很难给予顶端轴承提供润滑油，为了确保润滑油的供应，齿轮箱内的油量必须加高，如上图（D1、D2）所示，通过补偿油箱加高油位，补偿油箱上装有通气帽通气。油箱可被安装在齿轮箱上，也可以安装在客户的机架上，实际尺寸和最终位置在订货时商定。

In case of vertical mounting, in order to guarantee the oil supply to upper bearing, allxilliary oil tank (as D1, D2) should be installed to make oil level higher. It can installed on either gear units or brackets,it is exact dimension will be determined when placingan order.

水平安装时，油泵供油如下：

Oil supply by motor pumps for horizontal mounting position and drive from adove:





B51安装方位时，需配备电动泵强制循环润滑
[PK、PL为B51安装方位时所有规格(即9-34型)，PS的20型以上所有规格(即21-34型)]
Mounting position is B51, pump lubrication is necessary. (PK..,PL.. 9-34; PS21-34)

注：轴布置形式，请参阅P300。

Note: For shaft arrangement, see P300.

安装方位

Identifications of shaft arrangements:

水平安装 Horizontal gear unit position				垂直安装 Vertical geat nuit postition	
Coaxial planetary gear units 同轴式齿轮箱	0	P.N.	B5	V1	V3
Combined helical gear planetary gear units 斜齿–行星齿轮箱	1	P.S.	*) B51 B52 B53 B54	V11	V31
Combined bevel-helical gear planetary gear units 伞齿–斜齿–行星齿轮箱	2	P.K.	*) B51 B52 B53 B54	V11	V31
Combined bevel-gear planetary gear units 伞齿–行星齿轮箱	3	P.L.	*) B51 B52 B53 B54	V11	V31
Torque reaction arm 扭力臂安装	5		A51 A52 A53 A54 A55 A56		

*) 对于B51、V1、V3、V11、V31安装方位时，需考虑齿轮箱的润滑，请与我司联系。

*) Lubricant supply must be checked, please consult us.

代号标记注解
SIGN EXPLANTION

表1
(Table 1)

NMRV	带输入法兰式减速机(配合电机使用) With input flange (using with electric motor)
NRV	输入轴式减速机 With input shaft
25-30-40-50-63-75-110-130	减速机的机座规格(中心距参数) Type(centre distance)
7.5-10-15-20-25-30-40-50-60-80-100	公称传动比 Nominal ratio
Y 0.18	配普通Y系列电动机，功率为0.18KW With electric motor in series Y, the power is 0.18KW
Z 0.18	配制动电机，功率为0.18KW With breaking motor, the power is 0.18KW
F……(1-2)	输出法兰及安装型式 Ouput flange and mounting position
TA	转矩臂 With torque arm
YZ	配延伸蜗杆轴 With extention worm shaft
DZ	配单向输出轴 With single output shaft
SZ	配双向输出轴 With double output shaft

RV

标记方式
MODEL DESIGNATION

1 □ 2 □ — 3 □ — 4 □ — 5 □ — 6 □

1
- NMRV型
  Model NMRV
- NRV型
  Model NRV

2
- 机座规格25-130
  Type 25-130

3
- 公称传动比7.5-100
  Nominal ratio 7.5-100

4
- 电机类型及功率(四级)Y(KW)
  Electric Motor type and power Y(KW)
- Z(KW)
  Z(KW)
- 不配电机省略
  Omiting without it

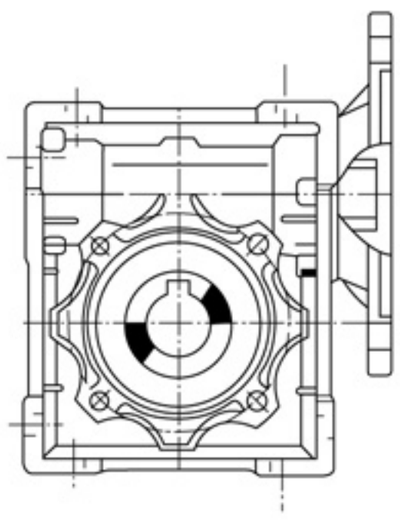
5
- 输入、出轴要求：YZ
  Input and output shaft Code: YZ
- DZ
- DZ
- SZ
- SZ
- 不配省略
  Omiting without it

6
- 安装用附件要求：F1
  Accessory for mounting: F1
- F2
- F2
- TA
- TA
- 不配省略
  Omiting without it

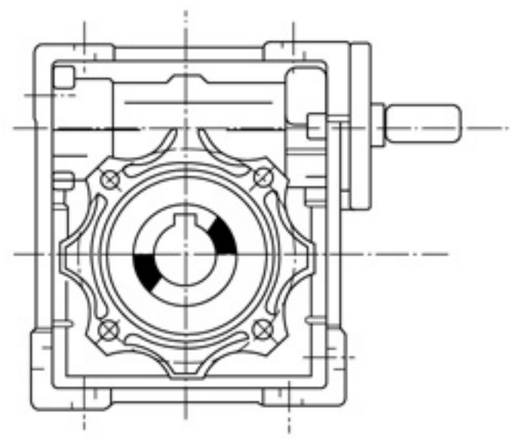
图
(Chart 1)

RV

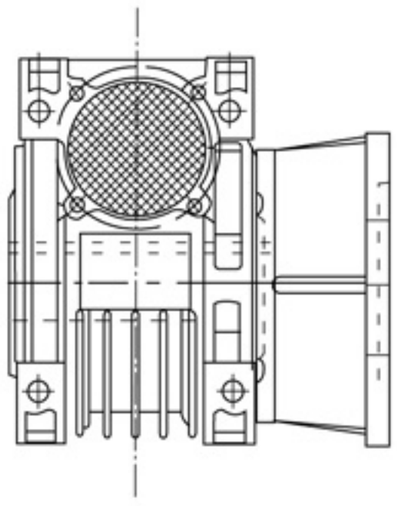
NMRV



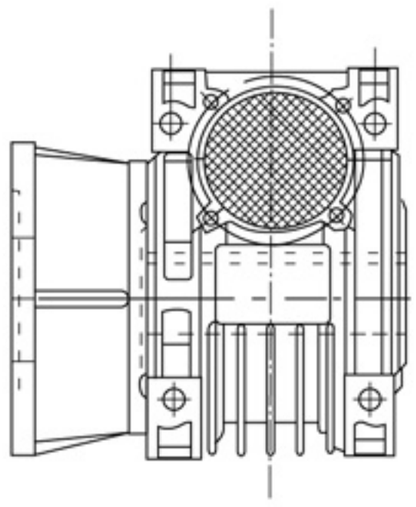
NRV



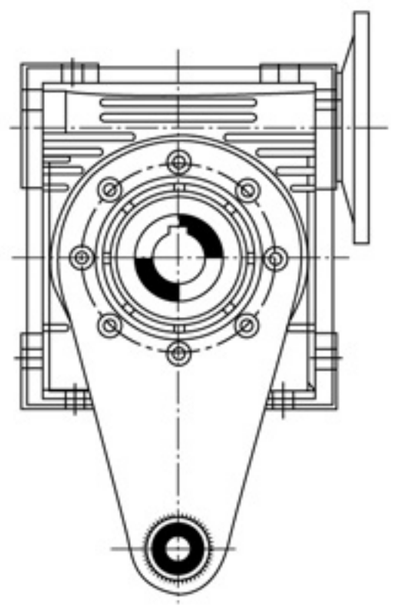
···F1



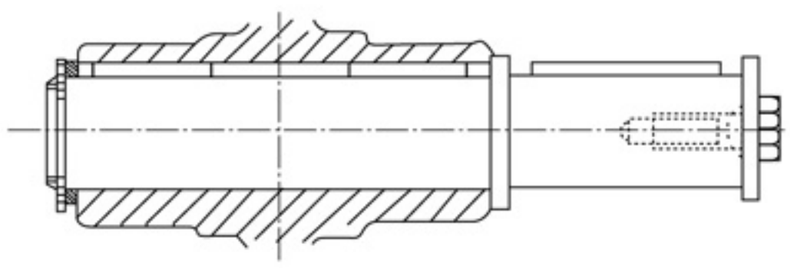
···F2



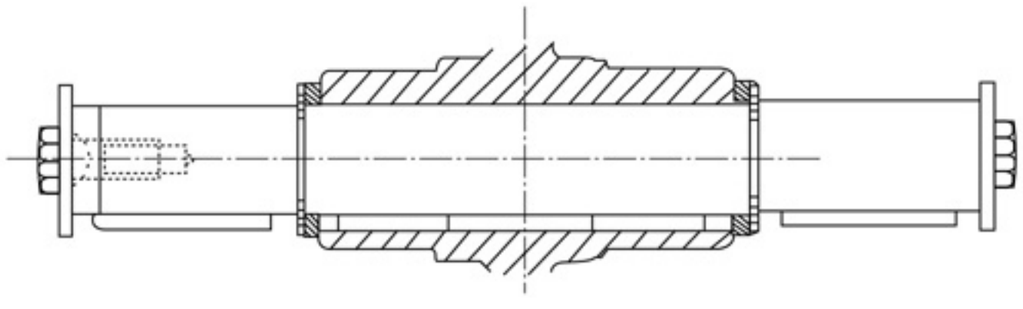
···TA



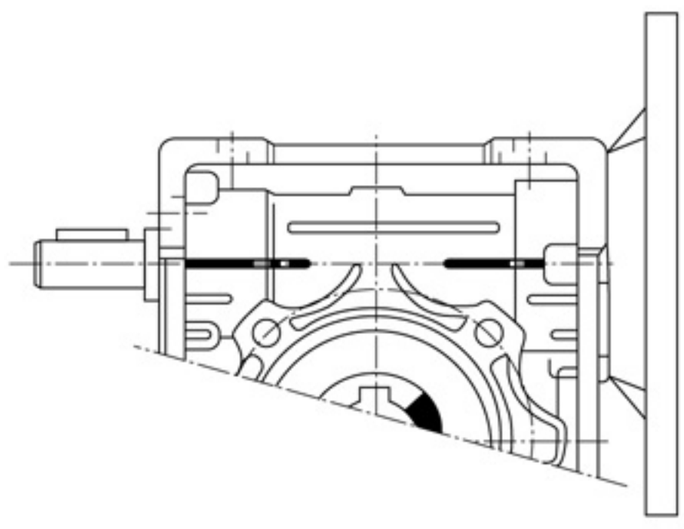
DZ



SZ



YZ



标记示例:
EXAMPLE OF SIGN

1、NMRV40-30-YO.18-F1-SZ

意为：NMRV型，机座规格40，公称传动比30，配Y系列0.18KW电机、F1输出法兰、双输出轴。

2、NRV40-30-F1

意为：NRV型，机座规格40，公称传动比30，不配电机，配输出法兰F1。

1、NMRV40-30-Y0.18-F1-SZ

Means: model: NMRV size: 40

Nominal ratio: 30

Epuipped electric motor: 0.18KW in series Y

Output flange: F1

Double output shaft: SZ

2、NRV40-30-F1

Means: model: NRV size: 40

Nominal ratio: 30

Without electric motor

Output flange: F1

减速机的承载能力
THE CARRIYING ABILITY OF WORM MICROREDUCER

工作系数见表2及表3

承载能力见参数表（表4、表5）

By table 2 and table 3, can find service factor of the worm microreducer.

By table 4 and table 5, can find the carring ability of worm microreducer.

减速机的外形及安装联接尺寸
OVERALL AND MOUNTING DIMENSIONS

法兰规格、轴芯尺寸见图2、表6。

减速机的外形尺寸见图3、图4、表7。

单向/双向输出轴尺寸见图5、表8。

延伸蜗杆轴尺寸见图6、表9。

转矩臂尺寸见图7、表10。

减速机的安装型式见图8。

输出法兰安装型式见图9。

电线接线盒的安装型式见图10。

By chart 2 and table 6, can find flange types and dimensions of hollow shaft.

By chart 3, chart 4 and table 7, can find appearance demensions.

By chart 5 and table 8, can find dimensions of single/double output shaft.

By chart 6 and table 9, can find dimensions of extention shafts.

By chart 7 and table 10, can find dimensions of torque arms.

By chart 8, can find the mounting positions.

By chart 9, can find the positions of output flanges.

By chart 10, can find the positions of junction box.

使用维护要求
THE REQUIREMENT OF USING AND MAINTAIN

安装时请不要对减速机输出部件，箱体施加压力，联接时请满足机器（械）与减速机之间的同轴度与垂直度的相应要求。

减速机初始运行至400小时应重新更换润滑油，其后的换油周期约为4000小时。

箱体内应保留足够的润滑油量，并定时检查。当发现油量减少或油质变坏时应及时补足或更换润滑油。

应注意保持减速机外观清洁，及时清除灰尘、污物以利于散热。

Do not make pressure on output part and box when mounting it.

It must replace lubrication oil afler it runs 400 hours when first using it, after it, replace lubrication oil per running 4000 hours.

It must keep coaxial degree and vertical degree in just lever when conjoining reducer with other device.

Must keep penty of oil lubrication in the reducer and check it offen.

Must add or replace in time when ulubrication oil reduce or get bad.

It is usefull to keep reducer clean so that reducer radiates warmth more efficiently.

蜗杆减速机国内外型号对照表
Comparative table of worm microreducer model domestically

本公司	NRV25	NRV30	NRV40	NRV50	NRV63	NRV75	NRV90	NRV110	NRV130
	NMRV25	NMRV30	NMRV40	NMRV50	NMRV63	NMRV75	NMRV90	NMRV110	NMRV130
意大利	NRV25	NRV30	NRV40	NRV50	NRV63	NRV75	NRV90	NRV110	NRV130
	NMRV25	NMRV30	NMRV40	NMRV50	NMRV63	NMRV75	NMRV90	NMRV110	NMRV130
国内	WJ25	WJ30	WJ40	WJ50	WJ63	WJ75	WJ90	WJ110	WJ130
	WSJK25	WSJK30	WSJK40	WSJK50	WSJK63	WSJK75	WSJK90	WSJK110	WSJK130
	WSJZ25	WSJZ30	WSJZ40	WSJZ50	WSJZ63	WSJZ75	WSJZ90	WSJZ110	WSJZ130

根据表2及表3，可找出有关减速机的工作系数(sf)
By table 2 and 3, can find out the service factor (sf) about worm reducer.

表2
(Table 2)

每小时间断性操作次数少于10次 N° of starts per hour<10			
加于减速机的负荷性质 Nature ofload generated by driven machine	每日工作时数 Hours running per day		
	<2	2~8	8~16
带均衡负荷 Uniform	sf=0.8	sf=1	sf=1.25
带中级震荡 Moderare shock	sf=1	sf=1.25	sf=1.5
带重级震荡 Heavy shock	sf=1.25	sf=1.5	sf=1.75

表3
(Table 3)

每小时间断性或连续性操作次数少于10次 N° of starts per hour >10			
加于减速机的负荷性质 Nature ofload generated by driven machine	每日工作时数 Hours running per day		
	<2	2~8	8~24
带均衡负荷 Uniform	sf=1	sf=1.25	sf=1.75
带中级震荡 Moderare shock	sf=1.5	sf=1.75	sf=2
带重级震荡 Heavy shock	sf=1.75	sf=2	sf=2.25

参数表 （ *工作系数=1）

Data table (sf =1)

表4
(Table 4)

I		n2	n1=1400								
			25	30	40	50	63	75	90	110	130
7.5	KW1 M2	187	0.25	0.41	0.90	1.58	2.84	4.06	6.3	10.4	16.1
			11	18	40	71	128	185	290	480	750
10	KW1 M2	140	0.21	0.32	0.69	1.23	2.19	3.25	5.11	8.57	13.5
			12	18	40	72	130	195	310	520	820
15	KW1 M2	93	0.15	0.23	0.48	0.88	1.65	2.30	4.09	6.48	10.3
			12	18	40	74	140	200	360	570	920
20	KW1 M2	70	0.12	0.18	0.37	0.68	1.22	1.88	3.10	4.83	7.76
			12	18	39	73	135	210	355	560	910
25	KW1 M2	56	-	0.18	0.30	0.54	0.98	1.47	2.43	4.12	6.49
			-	21	38	70	130	200	340	590	930
30	KW1 M2	47	0.09	0.15	0.31	0.57	1.06	1.48	2.57	3.90	6.35
			13	20	45	84	160	230	410	630	1040
40	KW1 M2	35	0.08	0.11	0.23	0.42	0.76	1.12	1.76	2.87	4.93
			13	18	41	76	145	220	360	610	1050
50	KW1 M2	28	0.06	0.09	0.18	0.34	0.60	0.89	1.38	2.35	3.83
			11	17	39	73	135	210	340	600	980
60	KW1 M2	23	0.04	0.08	0.15	0.28	0.51	0.75	1.13	1.9	3.05
			10	16	36	68	130	200	320	560	900
80	KW1 M2	18	-	0.05	0.12	0.22	0.39	0.58	0.83	1.34	2.26
			-	13	33	65	122	190	285	490	840
100	KW1 M2	14	-	-	0.09	0.16	0.34	0.48	0.67	1.07	1.70
			-	-	29	55	118	180	270	460	740

RV

参数表(*配4级1400RPM电机)

Data table (with 4 poles, 1400rpm motor)

表5
(Table 5)

型号 Type	i	n_2	kw_1	M_2	sf
25	7.5	186.7	0.09	4	2.8
	10	140	0.09	5	2.3
	15	93.3	0.09	7	1.6
	20	70	0.09	9	1.3
	30	46.7	0.09	12	1.0
	40	35	0.09	15	0.9
	50	28	0.06	12	0.9
	60	23.3	0.06	14	0.7

型号 Type	i	n_2	kw_1	M_2	sf
50	7.5	186.7	0.75	33	1.7
	10	140	0.75	42	1.3
	15	93.3	0.75	58	1.0
	20	70	0.75	81	0.9
	25	56	0.55	71	1.0
	30	46.7	0.55	81	1.0
	40	35	0.55	101	0.8
	50	28	0.37	80	0.9
	60	23.3	0.37	89	0.8
	80	17.5	0.25	72	0.9
	100	14	0.18	60	0.9

型号 Type	i	n_2	kw_1	M_2	sf
90	7.5	186.7	4	180	1.3
	10	140	4	296	1.1
	15	93.3	4	342	0.9
	20	70	4	458	0.8
	25	56	3	420	0.8
	30	46.7	3	479	0.9
	40	35	2.20	433	0.8
	50	28	2.20	492	0.6
	60	23.3	1.50	424	0.8
	80	17.5	1.10	365	0.8
	100	14	0.75	302	0.9

型号 Type	i	n_2	kw_1	M_2	sf
30	7.5	186.7	0.18	7	1.9
	10	140	0.18	9	1.5
	15	93.3	0.18	13	1.0
	20	70	0.18	17	0.8
	25	56	0.18	21	1.0
	30	46.7	0.18	24	0.8
	40	35	0.12	19	0.9
	50	28	0.12	23	0.8
	60	23.3	0.09	19	0.9
	80	17.5	0.06	14	0.9

型号 Type	i	n_2	kw_1	M_2	sf
63	7.5	186.7	1.50	68	1.5
	10	140	1.50	88	1.2
	15	93.3	1.50	126	0.9
	20	70	1.50	166	0.8
	25	56	1.10	146	0.9
	30	46.7	1.10	167	1.0
	40	35	1.10	207	0.7
	50	28	0.55*	124	1.1
	60	23.3	0.55*	140	0.9
	80	17.5	0.37	115	1.1
	100	14	0.37	129	0.9

型号 Type	i	n_2	kw_1	M_2	sf
110	7.5	186.7	7.50	345	1.4
	10	140	7.50	455	1.1
	15	93.3	5.50	484	1.2
	20	70	5.50	638	0.8
	25	56	5.50	790	0.8
	30	46.7	4	647	0.9
	40	35	3	638	0.9
	50	28	3	767	0.8
	60	23.3	2.20	648	0.8
	80	17.5	1.50	548	0.8
	100	14	1.10	473	0.9

型号 Type	i	n_2	kw_1	M_2	sf
40	7.5	186.7	0.37	16	1.6
	10	140	0.37	27	1.3
	15	93.3	0.37	28	0.9
	20	70	0.37	39	1.0
	25	56	0.37	47	0.8
	30	46.7	0.37	53	0.8
	40	35	0.25	44	0.9
	50	28	0.22	47	0.8
	60	23.3	0.18	43	0.8
	80	17.5	0.12	34	1.0
	100	14	0.12	38	0.8

型号 Type	i	n_2	kw_1	M_2	sf
75	7.5	186.7	4	182	1.0
	10	140	3	180	1.1
	15	93.3	3	261	0.8
	20	70	2.20	240	0.8
	25	56	1.50	205	1.0
	30	46.7	2.20	337	0.7
	40	35	1.10	216	1.0
	50	28	1.10	264	0.8
	60	23.3	1.10	279	0.7
	80	17.5	0.55	180	1.0
	100	14	0.55	206	0.9

型号 Type	i	n_2	kw_1	M_2	sf
130	7.5	186.7	7.50	343	1.8
	10	140	7.50	453	1.5
	15	93.3	7.50	664	1.1
	20	70	7.50	864	0.8
	25	56	7.50	1074	0.8
	30	46.7	5.50	900	1.1
	40	35	5.50	1171	0.9
	50	28	5.50	1379	0.7
	60	23.3	4	1179	0.8
	80	17.4	2.20	816	1.0
	100	14	2.20	966	0.8

注：	单位	Note	Unit		单位		Unit
n_1＝输入速度	rpm	n_1 = Input speed	rpm	M_2＝输出扭矩	Nm	M_2 = Output torque	Nm
n_2＝输出速度	rpm	n_2 = Output speed	rpm	sf＝工作系数		sf = Service factor	

法兰安装规格 轴芯尺寸－D

The type of flange and Hollow input shaft diameter D

表6 (Table 6)

型号 Type	安装规格				公称传动比 i/Nominal ratio										
	法兰型号 Flange type	N	M	P	7.5	10	15	20	25	30	40	50	60	80	100
					D										
25	56B14	50	65	80	9	9	9	9	-	9	9	9	9	-	-
30	63B5	95	115	140	11	11	11	11	11	11	11	11	-	-	-
	63B14	60	75	90	11	11	11	11	11	11	11	11	-	-	-
	56B14	50	65	80	9	9	9	9	9	9	9	9	9	9	-
40	71B5	110	130	160	14	14	14	14	14	14	14	14			
	63B5	95	115	140	11	11	11	11	11	11	11	11	11	11	11
50	80B5	130	165	200	19	19	19	19	19	19	19	-	-	-	-
	71B5	110	130	160	14	14	14	14	14	14	14	14	14	14	
	63B5	95	115	140	-	-	-	-	-	-	11	11	11	11	11
63	90B35	130	165	200	24	24	24	24	24	24	24	-	-	-	-
	80B5	130	165	200	19	19	19	19	19	19	19	19	19	-	-
	71B5	110	130	160	-	-	-	-	-	-	14	14	14	14	14
75	100/112B35	180	215	250	28	28	28	28	-	28	-	-	-	-	-
	90B35	130	165	200	24	24	24	24	24	24	24	24	24	-	-
	80B5	130	165	200	-	-	-	-	-	-	19	19	19	19	19
90	100/112B35	180	215	250	28	28	28	28	28	28	28	28	-	-	-
	90B35	130	165	200	24	24	24	24	24	24	24	24	24	24	
	80B5	130	165	200	-	-	-	-	-	-	19	19	19	19	19
110	132B35	230	265	300	38	38	38	38	38	-	-	-	-	-	-
	100/112B35	180	215	250	28	28	28	28	28	28	28	28	28		
	90B35	130	165	200	-	-	-	-	24	24	24	24	24	24	24
130	132B35	230	265	300	38	38	38	38	38	38	38	38	-	-	-
	100/112B35	180	215	250	-	-	-	-	28	28	28	28	28	28	28
	90B35	130	165	200							24	24	24	24	24

图2 (Chart 2)

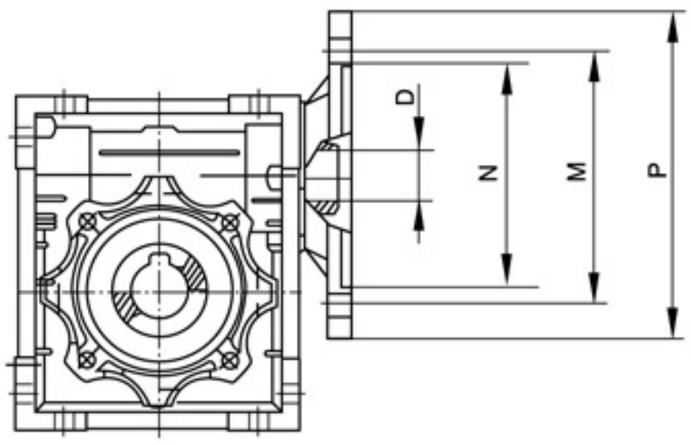
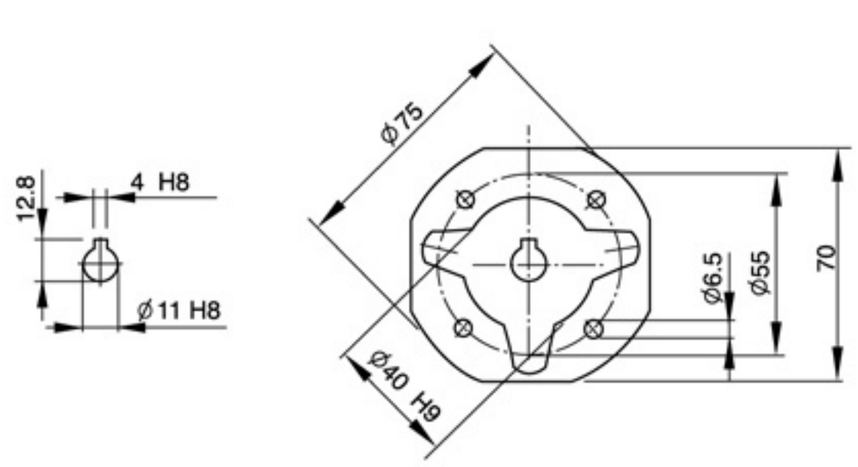
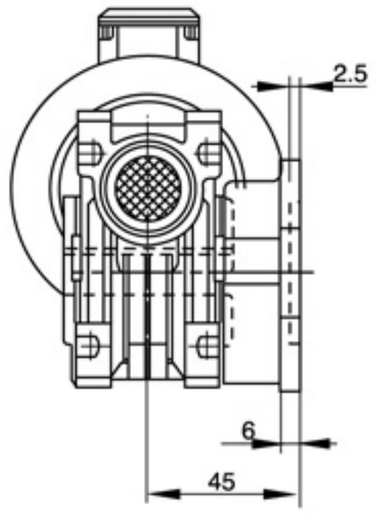
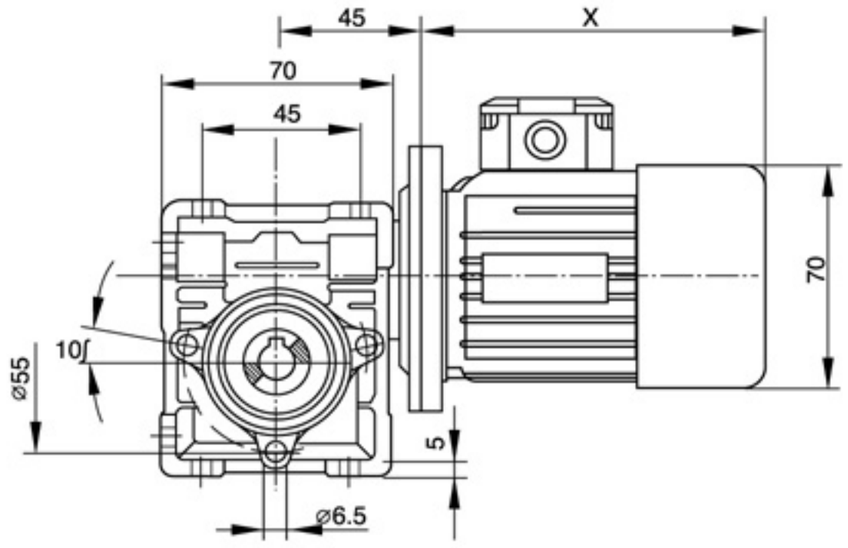


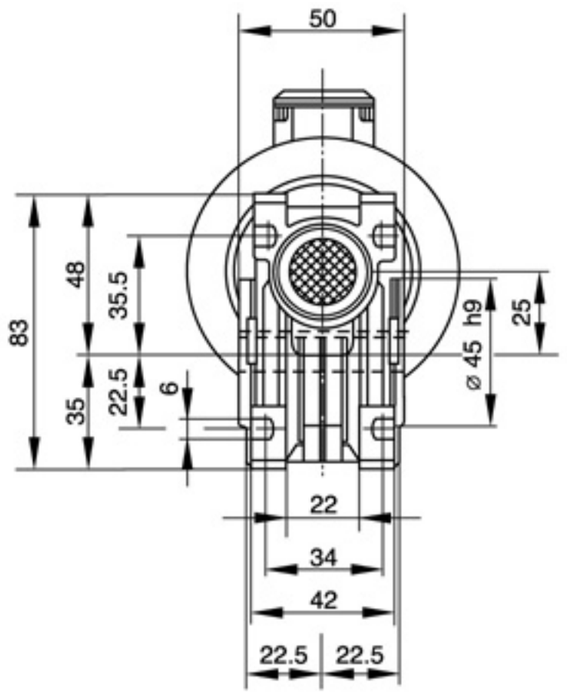
图3 (Chart 3)

NMRV 25





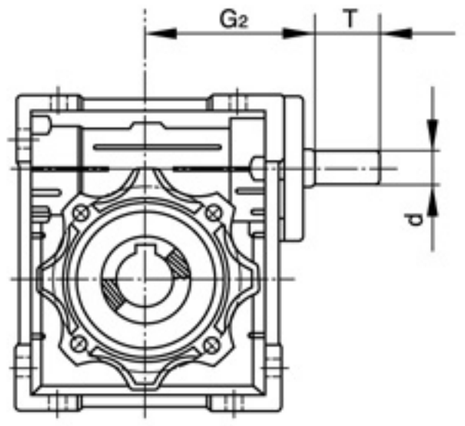


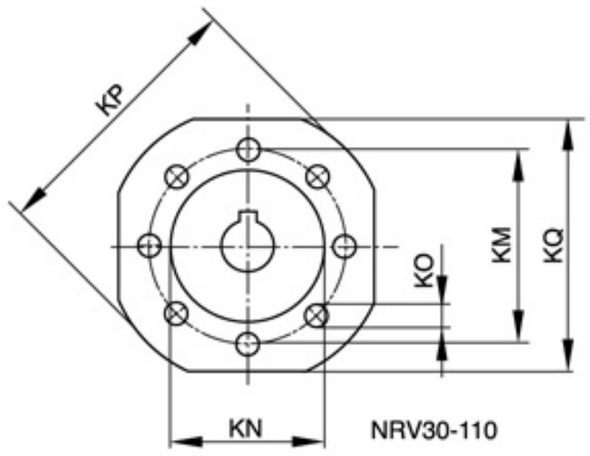


RV

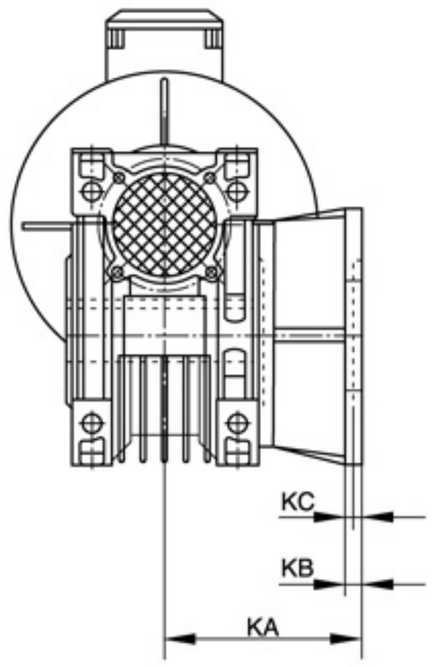
图4 (Chart 4)

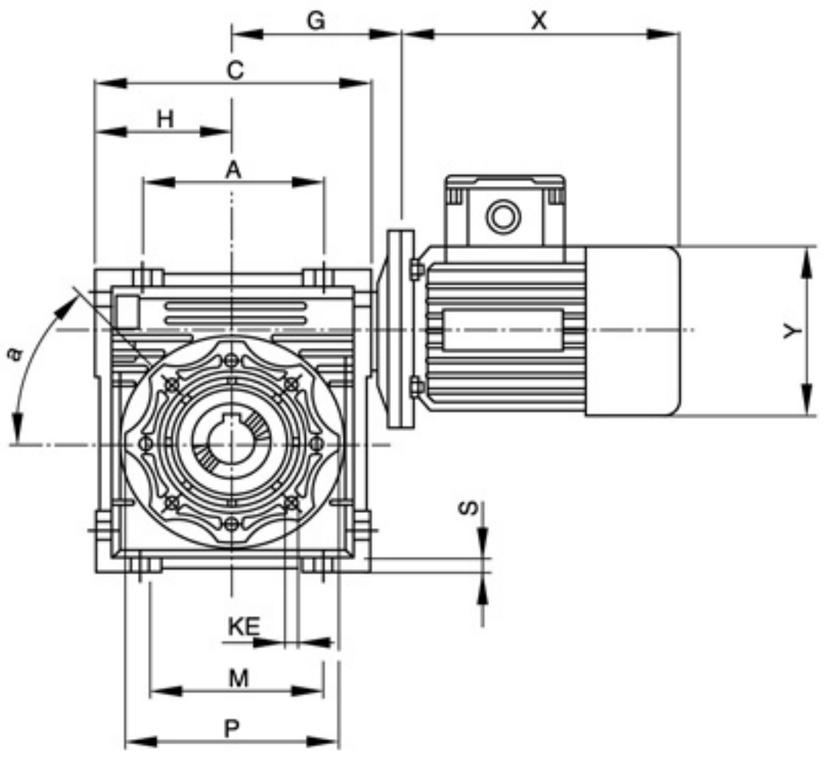
NRV

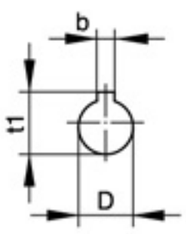


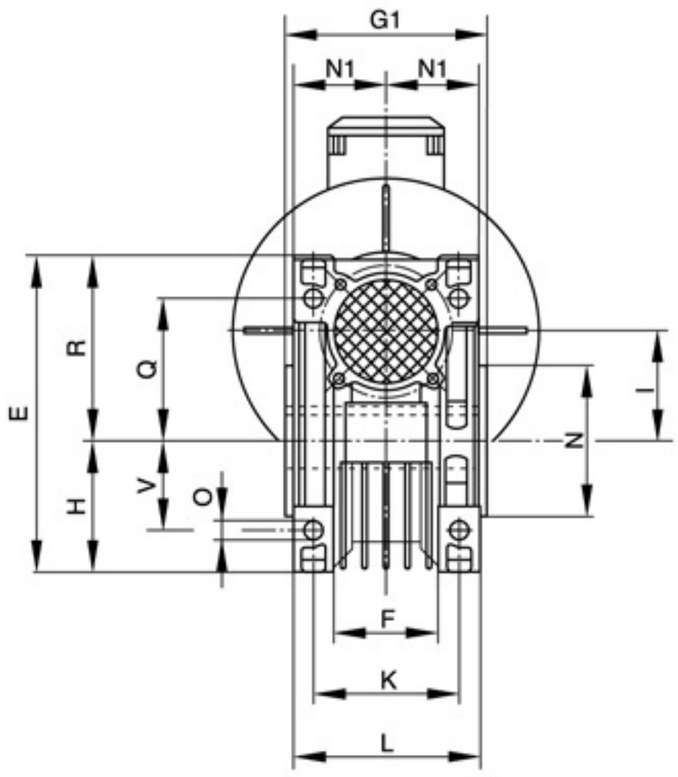


NMRV 30-130









RV

表7 (Table 7)

型号 Type	尺 寸 (Dimensions)																		
	A	C	D(H7)	E	F	G	H	I	L	M	N(h8)	O	P	Q	R	S	T	V	K
30	54	80	14	97	32	55	40	30	56	65	55	6.5	75	44	57	5.5	20	27	44
40	70	101	18	121.5	43	70	50	40	71	75	60	6.5	87	55	71.5	6.5	23	35	60
50	80	121.5	25	145	49	80	60	50	85	85	70	8.5	100	64	84	7	30	40	70
63	100	147.5	25	174	67	95	72	63	103	95	80	8.5	110	80	102	8	40	50	85
75	120	174	28	205	72	112.5	86	75	113	115	95	11	140	93	119	10	50	60	90
90	140	208	35	238	72	130	103	90	130	130	110	13	160	102	135	11	50	70	100
110	170	252.5	42	294		160	127.5	110	142	165	130	14	200	125	167.5	15	60	85	115
130	200	292.5	45	335	79	180	147.5	130	155	215	180	16	250	140	187.5	15	80	100	120

型号 Type	尺 寸 (Dimensions)																
	G1	G2	N1	KA	KB	KC	KE	α	KM	KN(H8)	KO	KP	KQ	d(j6)	b	t1	X Y
30	63	51	29	54.5	6	4	M6 X 11(n4)	0°	68	50	6.5(4/90°)	80	70	9	5	16.3	见电动机外形尺寸一览表 See overall dimensions for electric motor
40	78	60	36.5	67	7	4	M6 X 8(n4)	45°	87	60	9(4/90°)	110	95	11	6	20.8	
50	92	74	43.5	90	9	5	M8 X 10(n4)	45°	90	70	11(4/90°)	125	110	14	8	28.3	
63	112	90	53	82	10	6	M8 X 14(n8)	45°	150	115	11(4/90°)	180	142	19	8	28.3	
75	120	105	57	111	13	6	M8 X 14(n8)	45°	165	130	14(4/90°)	200	170	24	8	31.3	
90	140	125	67	111	13	6	M10 X 11(n8)	45°	175	152	14(4/90°)	210	200	24	10	38.3	
110	155	142	74	139	15	6	M10 X 18(n8)	45°	220	170	14(8/90°)	270	250	28	12	45.3	
130	170	162	81	151.5	15	6	M12 X 20(n8)	45°	225	180	16(8/90°)	320	290	30	14	48.8	

电动机外形尺寸一览表
Overall dimensions for elecrtic motor

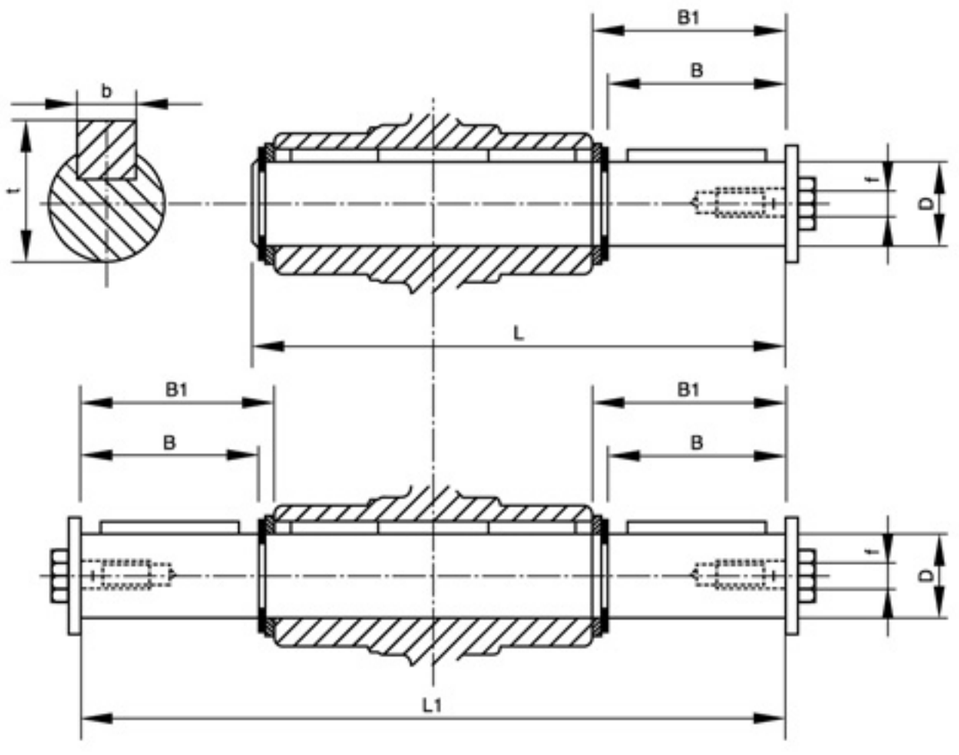
机座号	56		63		71		80		90		100		112	132	
功率(KW)	0.06	0.09	0.12	0.18	0.25	0.37	0.55	0.75	1.1	1.5	2.2	3	4	5.5	7.5
X	150		207		225		255		260	285	320		340	395	435
Y	120		130		145		165		171	171	201		226	266	266

单向/双向输出轴尺寸
Dimensions of single (double) output shaft

表8 (Tale 8)

型号 Type	D(h6)	B	B1	L	L1	f	b	t
25	11	23	25.5	81	101	-	4	12.5
30	14	30	32.5	102	128	M6	5	16
40	18	40	43	128	164	M6	6	20.5
50	25	50	53.5	153	199	M10	8	28
63	25	50	53.5	173	219	M10	8	28
75	28	60	63.5	192	247	M10	8	31
90	35	80	84	234	308	M12	10	38
110	42	80	84.5	249	324	M16	12	45
130	45	80	85	265	340	M16	14	48.5

图5 (Chart 5)

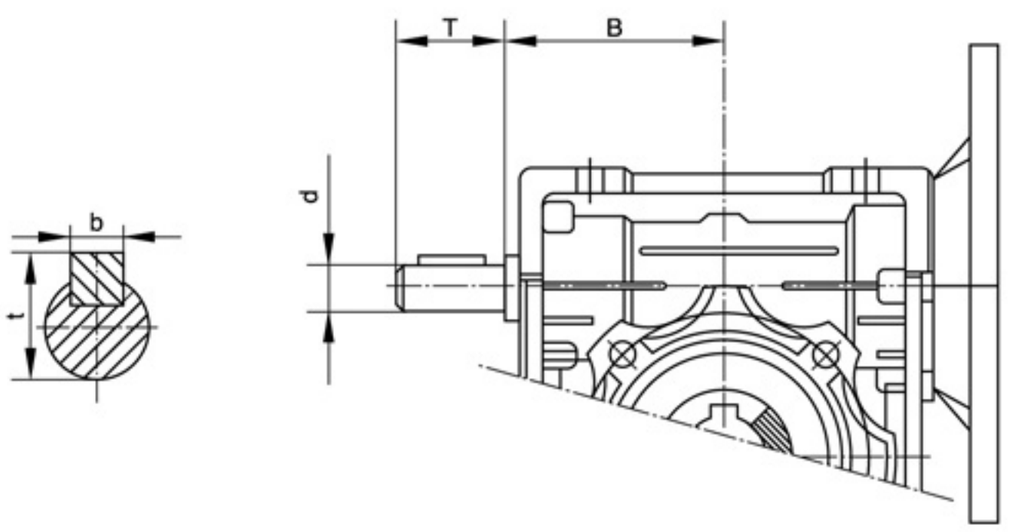


延伸蜗杆轴尺寸(轴速度与电机速度相同)
Dimensions of extension worm shafts (Speed is as same as electric motor)

表9 (Tale 9)

型号 Type	B	d(j6)	T	b	t
30	45	9	20	3	10.5
40	53	11	23	4	12.5
50	64	14	30	5	16
63	75	19	40	6	21.5
75	90	24	50	8	27
90	108	24	50	8	27
110	135	28	60	8	31
130	155	30	80	8	33

图6 (Chart 6)

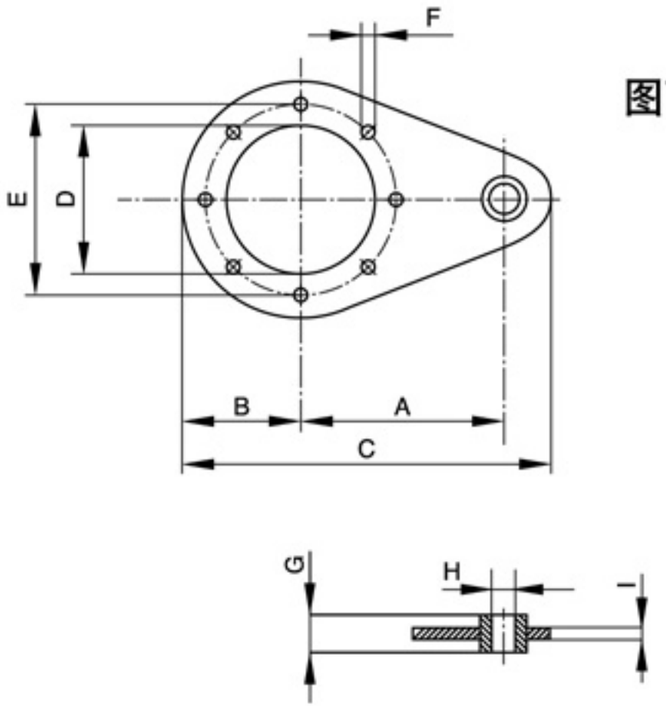


转矩臂尺寸
Dimensions of torque arms

表10 (Tale 10)

型号 Type	A	B	C	D	E	F	G	H	I
25	70	33	118	45	55	7	14	8	6
30	85	38	138	55	65	7	14	8	6
40	100	44	162	60	75	7	14	10	12
50	100	50	168	70	85	9	14	10	12
63	150	55	223	80	95	9	14	10	12
75	200	70	300	95	115	9	25	20	20
90	200	80	310	110	130	11	25	20	20
110	250	100	385	130	165	11	30	25	25
130	250	125	410	180	215	14	30	25	25

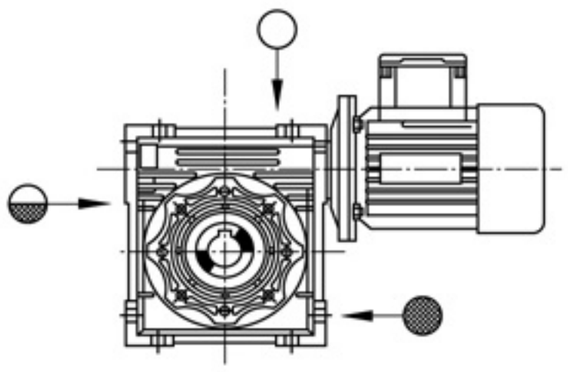
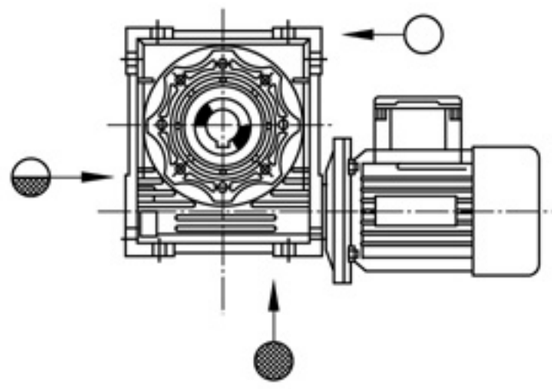
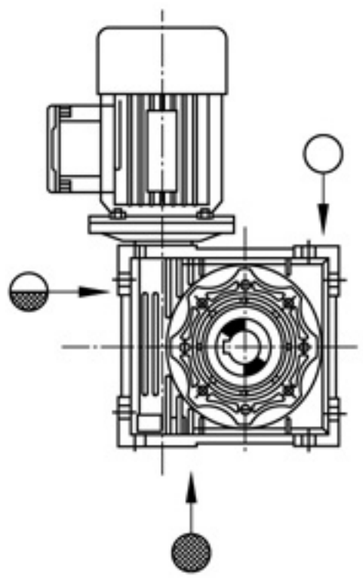
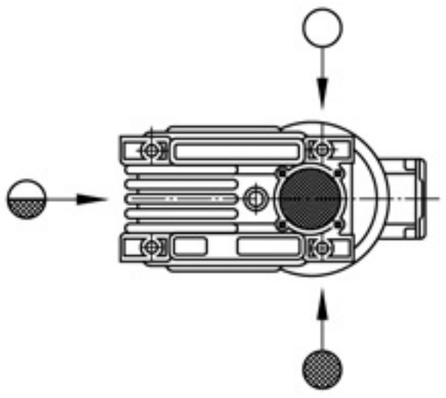
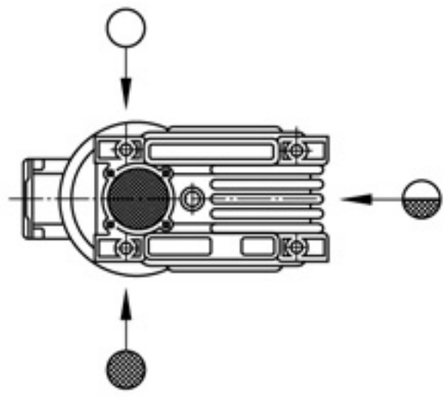
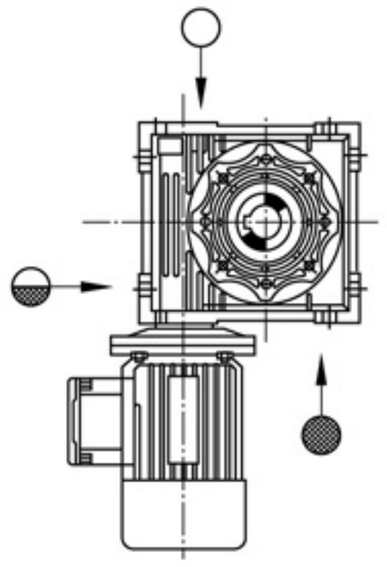
图7 (Chart 7)



RV

安装型式
Mounting positions

图8
Chart 8

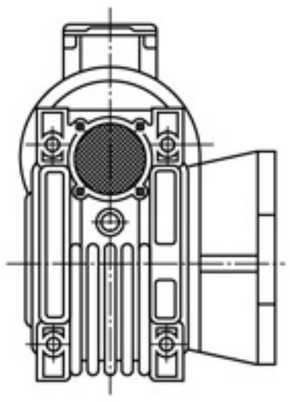
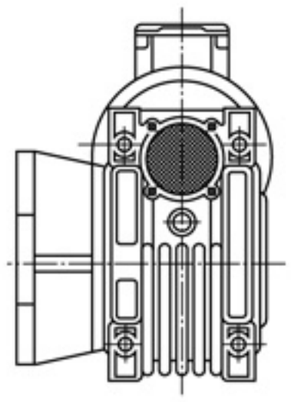
B3 	B8 	V5 
B6 	B7 	V6 

RV

○加油孔及空气孔　◒视油镜　●排油栓

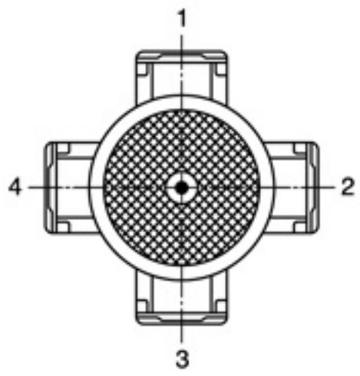
输出法兰“F”安装型式
Positions of output flange“F”

图9
Chart 9

...F1 	...F2 

电线接线盒安装型式
Mounting positions of junction box

图10
Chart 10



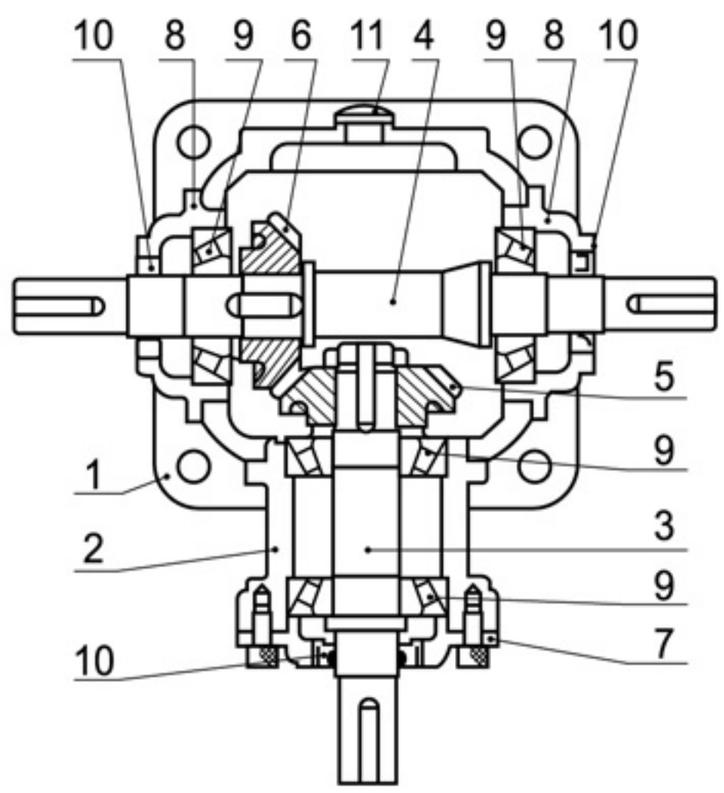
T系列螺旋锥齿轮传动箱概述：

- T系列一级螺旋锥齿轮传动箱，标准化，多品种，速比1:1、1.5:1、2:1、2.5:1、3:1、4:1、5:1全部为实际传动比。平均效率98%。
- 有单轴、双横轴、单纵轴、双纵轴可选。
- 螺旋锥齿轮可以正反运转，低速或高速传动平稳，而且噪声低，振动小，承受力大。
- 当速比不为1:1时，横轴输入、纵轴输出为减速，纵轴输入、横轴输出为增速。

T series spiral bevel gearbox overview:

- T series spiral bevel gearbox with various types are standardized, all ratios of 1 : 1, 1.5 : 1, 2 : 1, 2.5 : 1, 3 : 1, 4 : 1 and 5 : 1 are actual ones. Average efficiency is 98%.
- There are one input shaft, two input shafts, unilateral output shaft and double side output shaft.
- Spiral bevel gear can rotate in both directions and transmit smoothly, low noise, light vibration, high performance.
- If ratio is not 1:1, if input speed on single-extendalbe shaft, out put speed will be reduced; if input speed on double-exfendable shaft, output speed will be reduced.

T系列结构图：

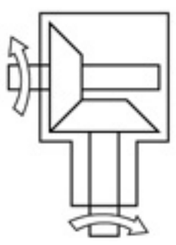
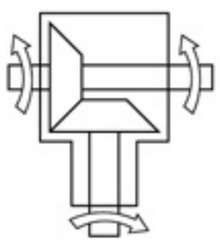
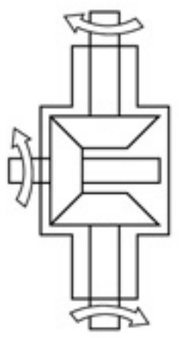
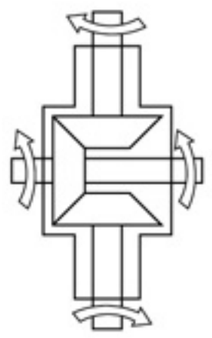


1、机　　座　Housing
2、横　轴　座　Single-extendable shaft bearing seat
3、横　　轴　Single-extendable shaft
4、纵　　轴　Double-extendable shaft
5、横轴锥齿轮　Spiral bevel gear
6、纵轴锥齿轮　Spiral bevel gear
7、端　　盖　Bearing seat
8、端　　盖　Bearing seat
9、轴　　承　Bearing
10、油　　封　Seat
11、油　　镜　Oil gauge

T series structure drawing:

转向功能：

Function of rotation:

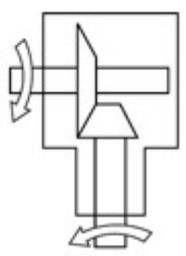
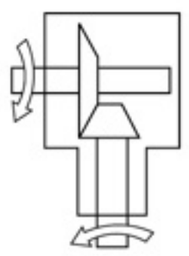
1 横 轴 One single-extendable shaft		2 横 轴 2 extendable shafts	
2轴 2-extended shaft	3轴 3-extended shaft	3轴 3-extended shaft	4轴 4-extended shaft
			

说明：当输入轴旋转方向改变，输出轴相应改变。

Specification: Direction of rotation of output shaft varies with that of input shaft.

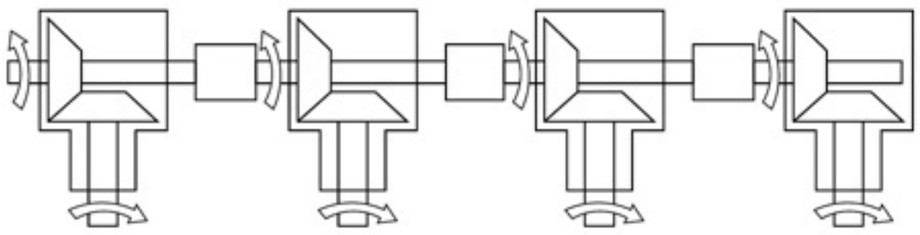
选定输入轴时应注意转速关系：(1:1传动比时无关系)
Please pay attention to speed relationship when selecting input shaft(there si nothing in case of ratio of 1:1):

例：速比为2:1时　　Example: when ratio is 2.

[减速Reducing]	[增速Increasing]
 当横轴输入100r/min时 纵 轴 输 出50r/min Output speed is 50rpm, when input speed is 100rpm	 当纵轴输入100r/min时 横 轴 输 出200r/min Output speed is 200rpm, when input speed is 100rpm

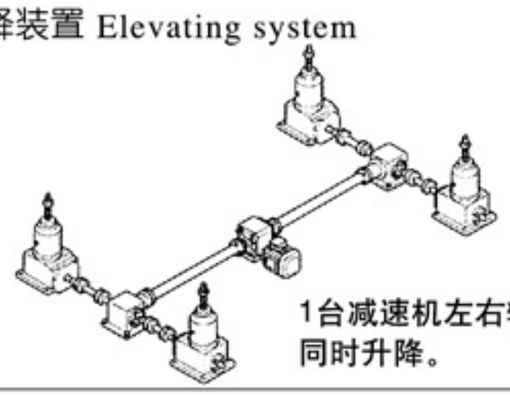
应用实例：　　Application example:

并排转送 Transmission in line



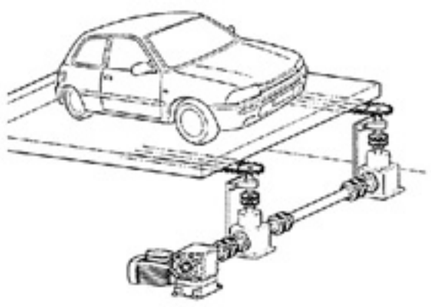
给纵轴连结送力，使横轴同步运转

升降装置 Elevating system



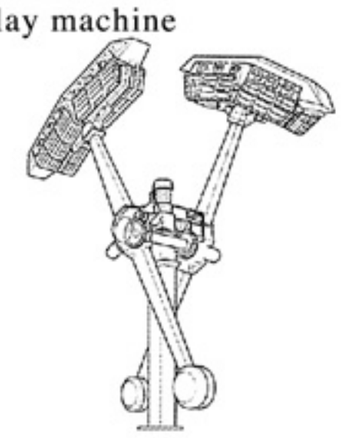
1台减速机左右输出，通过转向后，同时升降。

立体车库 Tridimensional carbarn



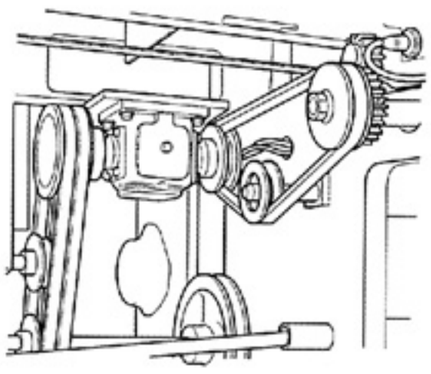
1台减速机驱动左右链轮同步运转。
One reducer drive rightand left chain wheel and rotate at the same speed.

游戏机 Play machine



纵横输入，2横轴相反运转

包装机 Packing machine



型号表示方法：　　T series model illustration:

T6 － 1:1 － I－LR－0 － B_3

机座号 Size of gear units	速比 ratio	轴配置 Shaft arrangement	安装方位 Mounting position

T8 － 2:1 － I － I － LR － B_8

机座号 Size of gear units	速比 ratio	轴配置 Shaft arrangement	安装方位 Mounting position



T系列重量表：　　T series weight table:

Type	T2	T4	T6	T7	T8	T10	T12	T16	T20	T25
m(kg)	2	10	21	32	49	78	124	188	297	488

T系列Fr(N) 表：　　T series Fr(N) table:

i_N	n_1 (r/min)	T2		T4		T6		T7		T8		T10		T12		T16		T20		T25	
		横轴	纵轴	横轴	纵轴	横轴	纵轴	横轴	纵轴	横轴	纵轴	横轴	纵轴	横轴	纵轴	横轴	纵轴	横轴	纵轴	横轴	纵轴
1:1	1450	265	216	833	951	1911	2450	2450	3136	3234	3381	4165	4508	5096	5586	10633	10976				
	1150	323	235	882	1029	2058	2597	2744	3234	3479	3626	4459	4851	5488	6076	11368	11760	15386	15608		
	870	402	255	960	1127	2205	2842	2989	3381	3773	3969	4851	5292	5880	6566	12446	12740	16660	17150	24794	25480
	580	549	314	1078	1323	2499	3185	3381	3822	4263	4459	5488	5880	6713	7301	14014	14504	18816	19404	28028	28910
	400	637	353	1372	1715	3185	3528	4018	4900	4851	5978	6272	7056	7742	8134	15680	16170	21070	21756	31360	32340
	300	696	392	1519	1960	3430	3528	4410	5537	5243	6958	6713	7987	8232	9065	17150	17640	23422	24108	34300	35280
	200	784	441	1911	1960	3430	3528	5096	6272	7889	8820	8575	9604	9261	10290	19600	19894	25970	26754	38612	39788
	100	980	588	1911	1960	3430	3528	5096	6272	8428	8820	9996	11760	11368	12593	22540	22540	28420	32928	39200	49000
	10	980	588	1911	1960	3430	3528	5096	6272	8428	8820	9996	11760	11858	14504	22540	22540	28420	33320	39200	49000
1.5:1	1450			1078	1960	2548	2842	3430	5390	4361	7987	5194	9212	5978	10486	5978	12152	7693	14602		
	1150			1078	1960	3038	3087	4067	5978	5096	8820	6174	10486	7252	12152	6419	13083	8771	17934	12985	24647
	870			1078	1960	3430	3332	4753	6076	6076	8820	7448	11760	8869	14504	6958	14210	9506	19453	13573	29400
2:1	580			1078	1960	3430	3528	5096	6174	7644	8820	9555	11760	11466	14504	7840	16072	10780	22001	15680	33222
	400			1078	1960	3430	3528	5096	6272	8428	8820	9996	11760	11858	14504	8820	17934	12005	24598	17542	37142
2.5:1	300			1078	1960	3430	3528	5096	6272	8428	8820	9996	11760	11858	14504	9604	19600	13132	27342	19159	40474
3:1	200			1078	1960	3430	3528	5096	6272	8428	8820	9996	11760	11858	14504	10829	22148	14798	30282	21658	45766
	100			1078	1960	3430	3528	5096	6272	8428	8820	9996	11760	11858	14504	13328	22540	18228	33320	26656	49000
	10			1078	1960	3430	3528	5096	6272	8428	8820	9996	11760	11858	14504	22540	22540	28420	33320	39200	49000

备注：各规格更低的输出转速按以上最大的Fr值。　Notes: If there is lower output speed, please choose the maximum Fr in above table.

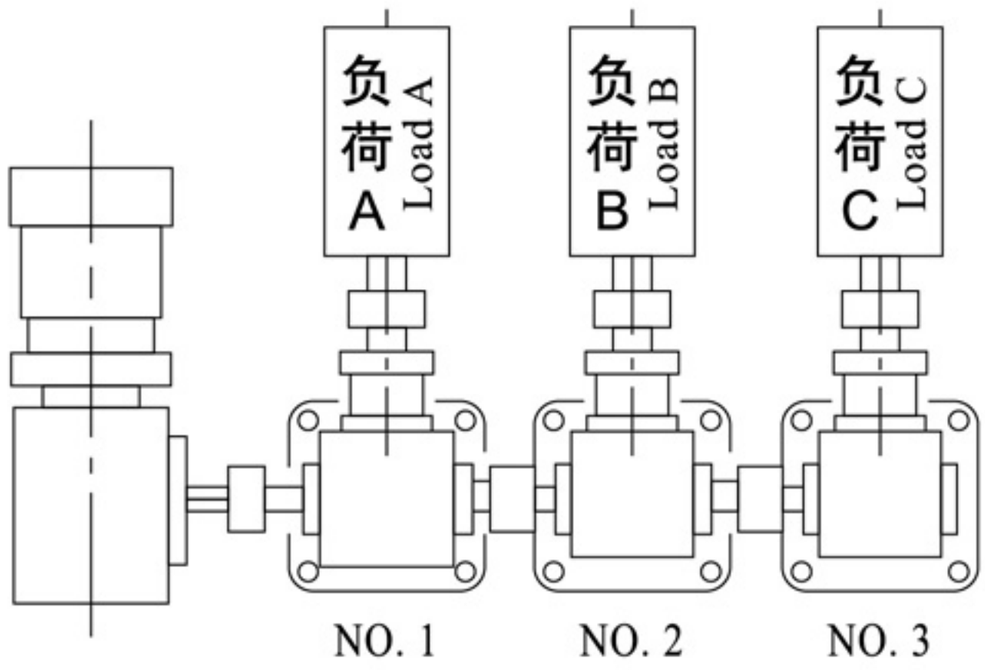
T系列被驱动设备系数 f1：　　T series service factor f1:

负荷性质 Load characteristic	每天使用时间（小时） Operating time/day (hour)		
	≤2	2～10	10～24
均匀负载Uniform	1.00(1.00)	1.00(1.25)	1.25(1.50)
一般冲击Moderate	1.00(1.25)	1.25(1.50)	1.50(1.75)
强烈冲击Heavy	1.25(1.50)	1.50(1.75)	1.75(2.00)

注：当每小时起动、停止次数在10次以上，请使用括号内数值。
Note: Please use these data inside the bracket when number of starts and stops / hour is greater than ten times.

T系列举例：

T series selection sample:



3台负载全部为196N·m，一般冲击，每天连续工作8小时，即使用系数f1=1.25，斜齿轮输入轴转速以300r/min，速比全部为1: 1。

根据公式：

每台齿轮箱本身所需的负载T2N≥T2×f1＝196×1.25＝245N·m

※1号齿轮箱　因1号齿轮箱本身的负载为245N·m，而2号、3号齿轮箱需通过1号齿轮箱体传递扭矩。所以1号齿轮箱应承担的负载为：

245N·m+245N·m+245N·m＝735N·m，依据传动能力表，应选T12。

※2号齿轮箱　除本身的负载245N·m，还需传递3号齿轮箱的扭矩。所以总负载应为

245N·m+245N·m＝490N·m，依据传动能力表，应选T10。

※3号齿轮箱　由于仅一个负载C进行运转，即所需负载在245N·m以上即可，依据传动能力表可选T8。

注意事项：

1.当速比不为1:1时，请确定或告知输入轴；选横轴输入为减速，选纵轴输入为增速，安装方位和尺寸确定了以后，就不能更改两轴的位置。

2.多台连动输出需校对换向箱的承载能力。

Torque loaded on each gearbox is 196Nm, uniform shock, duration of operation is 8 hour per day, service factor f1=1.25, input speed is 300rpm, ratio is 1 : 1.

Calculate according to formula:

Required torque of each gearbox T2N≥T2×f1＝196×1.25＝245N·m

No.1 gearbox No.1 gearbox carry torque 245Nm, but No.2 and No.3 gearbox need transfer torque through No.1, Consequently No.1 gearbox should carry torque 735Nm (245Nm+245Nm+245Nm), select T 12according to transmission capacity table.

No.2 gearbox No.3 gearbox still transfers torque of No.3 gearbox besides torque of 245Nm,so,the total torque is 490Nm(245Nm+245Nm),select T10 according to transmission capacity table.

No.3 gearbox Required torque is more than 245Nm because of only load C according to transmission capacity table.

Notes:

1. If ratio is not 1:1, if input speed on single-extendalbe shaft, out put speed will be reduced; if input speed on double-exfendable shaft, output speed will be reduced. When mounting position and dimension are determined, the position of shafts can not be changed.

2. Several T boxes are linked, please verify the load capacity of these boxes.



i	n1	T2		T4		T6		T7		T8	
	r/min	T_{2N} (N·m)	P_{1N} (kw)	T_{2N} (N·m)	P_{1N} (kw)	T_{2N} (N·m)	P_{1N} (kw)	T_{2N} (N·m)	P_{1N} (kw)	T_{2N} (N·m)	P_{1N} (kw)
1：1	1450	11.6	1.79	31.9	4.94	96.0	14.9	142	22.0	294	45.6
	1150	11.7	1.43	34.1	4.19	103	12.7	150	18.4	305	37.5
	870	12.1	1.12	37.2	3.46	113	10.5	164	15.2	312	29.0
	580	12.1	0.747	39.5	2.45	119	7.35	184	11.4	319	19.8
	400	12.3	0.524	40.2	1.72	122	5.20	195	8.34	326	14.0
	300	12.3	0.396	40.5	1.30	123	3.93	198	6.35	331	10.6
	200	12.4	0.226	41.2	0.880	124	2.66	201	4.30	338	7.23
	100	12.7	0.136	41.9	0.448	127	1.36	206	2.20	346	3.70
	10	13.0	0.014	43.0	0.046	132	0.141	214	0.228	361	0.386
1.5：1	1450					117	12.1	145	15.0	185	19.1
	1150					122	9.96	147	12.0	188	15.4
	870					123	7.66	150	9.30	191	11.8
	580					126	5.23	153	6.32	197	8.14
	400					128	3.66	155	4.41	200	5.70
	300					129	2.77	157	3.35	203	4.34
	200					131	1.87	160	2.28	204	2.91
	100					134	0.957	163	1.16	210	1.49
	10					139	0.099	169	0.12	218	0.155
2：1	1450	12.1	0.94	42.8	3.32	102	7.90	137	10.6	180	14.0
	1150	12	0.74	43.4	2.67	104	6.39	139	8.55	183	11.3
	870	12	0.56	43.8	2.04	105	4.88	141	6.56	187	8.70
	580	11.9	0.37	44.4	1.38	108	3.34	144	4.47	191	5.92
	400	12.2	0.26	45.1	0.96	109	2.33	146	3.12	194	4.15
	300	11.9	0.19	45.5	0.73	110	1.76	148	2.37	196	3.14
	200	12.2	0.13	46.1	0.49	111	1.18	149	1.59	198	2.12
	100	11.2	0.06	46.6	0.25	114	0.608	152	0.812	202	1.08
	10	28.1	0.015	48.5	0.026	116	0.062	157	0.084	209	0.112
2.5：1	1450					96.2	5.97	113	6.99	184	11.4
	1150					97.2	4.78	115	5.64	185	9.11
	870					99.0	3.68	116	4.30	188	7.00
	580					100.0	2.48	118	2.92	192	4.76
	400					100.9	1.73	120	2.05	195	3.34
	300					102.9	1.32	121	1.55	197	2.53
	200					103.9	0.888	123	1.05	200	1.71
	100					104.9	0.448	123	0.528	203	0.867
	10					107.8	0.046	126	0.054	208	0.089
3：1	1450					93.6	4.84	105	5.42	159	8.20
	1150					94.8	3.88	106	4.34	160	6.55
	870					95.9	2.97	108	3.34	163	5.04
	580					97.6	2.02	109	2.25	166	3.42
	400					99.0	1.41	111	1.58	168	2.39
	300					100	1.07	111	1.18	169	1.80
	200					100	0.712	113	0.803	171	1.22
	100					102	0.363	115	0.409	173	0.618
	10					104	0.037	118	0.042	179	0.064
4：1	1450					80.6	3.12	93.4	3.62	124	4.80
	1150					81.5	2.50	94.3	2.90	125	3.83
	870					82.4	1.92	95.9	2.23	127	2.95
	580					84.1	1.30	96.9	1.50	129	2.00
	400					85.1	0.91	98.7	1.05	131	1.40
	300					86.1	0.69	98.3	0.79	131	1.05
	200					86.0	0.46	101	0.54	134	0.71
	100					87.7	0.23	101	0.27	135	0.36
	10					89.3	0.02	101	0.03	140	0.04
5：1	1450					52.0	1.61	57.4	1.78	68.7	2.13
	1150					52.5	1.29	58.0	1.43	69.2	1.70
	870					53.2	0.99	59.0	1.10	70.4	1.31
	580					54.2	0.67	59.6	0.74	71.7	0.89
	400					54.9	0.47	60.7	0.52	72.6	0.62
	300					55.5	0.36	60.4	0.39	72.9	0.47
	200					55.4	0.24	61.7	0.26	74.1	0.32
	100					56.5	0.12	62.9	0.13	75.1	0.16
	10					57.6	0.01	64.5	0.01	77.8	0.02

1、横轴转速未达到10r/min时，请使用10r/min的数据。
2、▭以上有灰色标识的规格定货时须咨询，横轴输入转速超过1450r/min时，向本公司咨询。

T

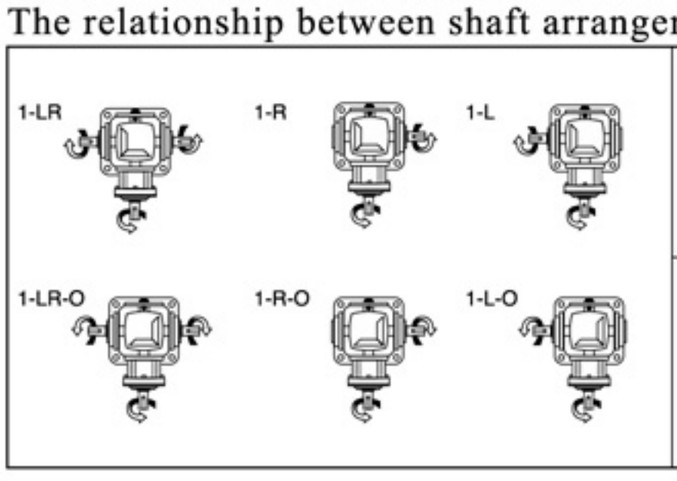
T系列传动能力表
T series transmission capacity table

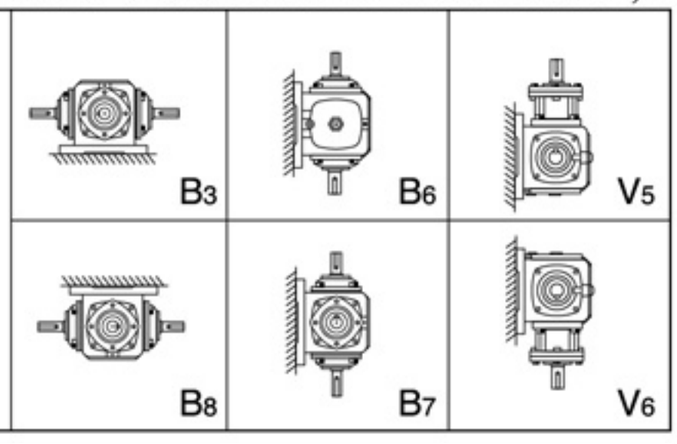
i	n1 r/min	T10		T12		T16		T20		T25	
		T_{2N} (N·m)	P_{1N} (kw)	T_{2N} (N·m)	P_{1N} (kw)	T_{2N} (N·m)	P_{1N} (kw)	T_{2N} (N·m)	P_{1N} (kw)	T_{2N} (N·m)	P_{1N} (kw)
1:1	1450	421	65.3	619	96.0	1019	163				
	1150	453	55.7	665	81.1	1098	139	1842	234		
	870	479	44.6	726	67.5	1186	114	2009	193	3489	335
	580	493	30.6	802	49.7	1343	85.9	2274	145	3940	252
	400	504	21.5	821	35.1	1499	66.1	2538	112	4410	195
	300	513	16.4	835	26.8	1637	54.1	2744	90.8	4792	159
	200	521	11.1	852	18.2	1784	39.3	3126	69.0	5390	119
	100	535	5.72	875	9.36	1842	20.3	3205	35.3	5439	60.0
	10	561	0.599	919	0.983	1940	2.14	3205	3.53	5713	6.30
1.5:1	1450	374	38.7	564	58.3						
	1150	380	31.2	601	49.2						
	870	389	24.1	656	40.7						
	580	396	16.4	699	28.9						
	400	406	11.6	711	20.3						
	300	411	8.78	724	15.5						
	200	417	5.95	736	10.5						
	100	426	3.04	754	5.37						
	10	443	0.316	785	0.56						
2:1	1450	305	23.6	516	40.0	921	73.7	1578	126		
	1150	309	19.0	516	31.7	938	59.5	1607	102	3146	199
	870	315	14.6	516	24.0	958	46.0	1646	79.0	3224	155
	580	322	10.0	524	16.3	980	31.3	1695	54.2	3332	107
	400	328	7.02	538	11.5	1000	22.0	1725	38.0	3420	75.4
	300	332	5.33	543	8.71	1009	16.7	1754	29.0	3479	57.5
	200	338	3.61	551	5.89	1029	11.3	1784	19.7	3557	39.2
	100	344	1.84	563	3.01	1058	5.84	1833	10.1	3646	20.1
	10	357	0.191	586	0.313	1098	0.605	1921	1.06	3822	2.11
2.5:1	1450	293	18.2	507	31.4						
	1150	298	14.7	514	25.3						
	870	302	11.2	523	19.5						
	580	310	7.68	535	13.3						
	400	315	5.38	545	9.32						
	300	317	4.06	552	7.08						
	200	321	2.75	560	4.79						
	100	326	1.40	568	2.43						
	10	336	0.144	588	0.251						
3:1	1450	270	14.0	458	23.6	904	48.2	1529	82.3	2935	158
	1150	275	11.3	464	19.0	920	38.9	1561	66.6	3045	130
	870	279	8.66	469	14.6	940	30.1	1598	51.6	3135	101
	580	285	5.89	480	9.92	960	20.4	1644	35.4	3246	69.9
	400	288	4.11	490	6.98	978	14.4	1672	24.8	3317	49.3
	300	291	3.11	495	5.29	990	10.9	1701	18.9	3372	37.6
	200	294	2.10	501	3.57	1005	7.38	1733	12.9	3449	25.6
	100	300	1.07	510	1.82	1038	3.82	1777	6.60	3537	13.1
	10	308	0.110	527	0.188	1076	0.40	1865	0.69	3713	1.4
4:1	1450	241	9.35	434	16.8	850	34.3	1452	58.7	2798	113
	1150	246	7.54	441	13.5	865	27.7	1483	47.5	2892	92.6
	870	249	5.78	448	10.4	884	21.4	1518	36.8	2978	72.2
	580	254	3.93	456	7.07	902	14.6	1562	25.2	3084	49.8
	400	257	2.74	465	4.97	919	10.2	1588	17.7	3151	35.1
	300	259	2.08	470	3.77	930	7.8	1616	13.5	3204	26.8
	200	262	1.40	476	2.54	944	5.3	1646	9.17	3276	18.2
	100	267	0.71	485	1.30	976	2.7	1688	4.70	3360	9.36
	10	275	0.07	501	0.13	1011	0.3	1772	0.49	3527	0.98
5:1	1450	136	4.21	296	9.18	814	26.3	1391	44.9	2631	85.0
	1150	138	3.39	301	7.39	828	21.2	1420	36.4	2771	71.0
	870	140	2.60	305	5.68	847	16.4	1454	28.2	2853	55.3
	580	143	1.77	311	3.86	864	11.2	1496	19.3	2954	38.2
	400	144	1.23	318	2.72	881	7.85	1521	13.6	3018	26.9
	300	146	0.93	321	2.06	891	5.96	1548	10.3	3069	20.5
	200	148	0.63	325	1.39	905	4.03	1577	7.03	3138	14.0
	100	150	0.32	331	0.71	935	2.08	1617	3.60	3218	7.17
	10	155	0.03	342	0.07	969	0.22	1697	0.38	3378	0.75

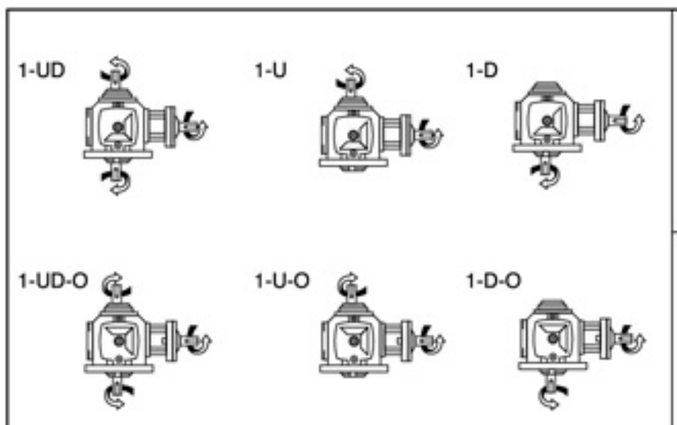
1、If speed is less than 10rpm, please choose 10rpm.
2、▭Please contact us, when order the model with gray sign or that input speed is more than 1450rpm.

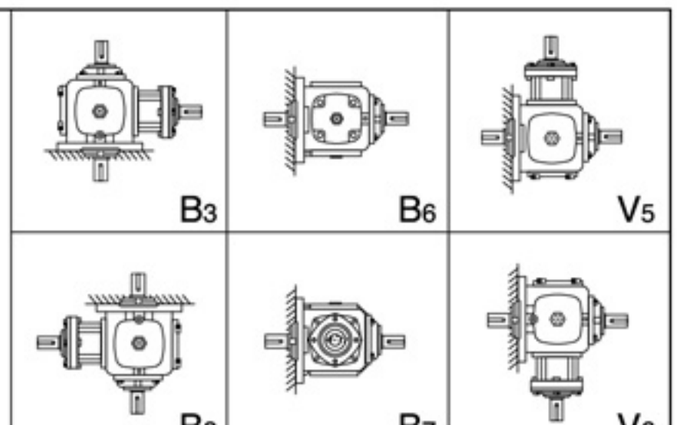
轴配置及轴旋转方向的关系、安装方位及尺寸图表：

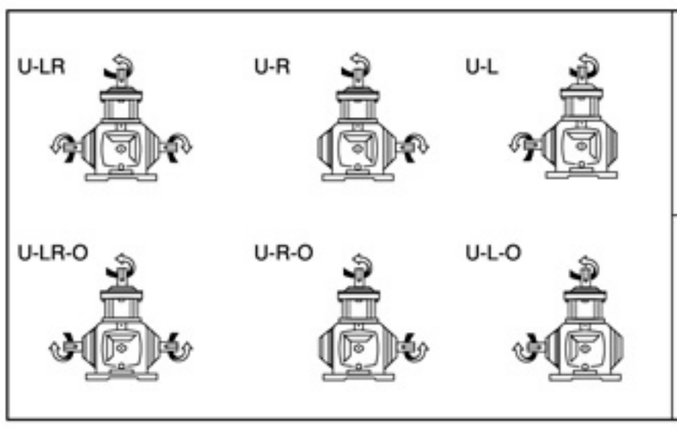
The relationship between shaft arrangements and direction of shaft rotation, Mounting position and dimension sheets: T2-T16

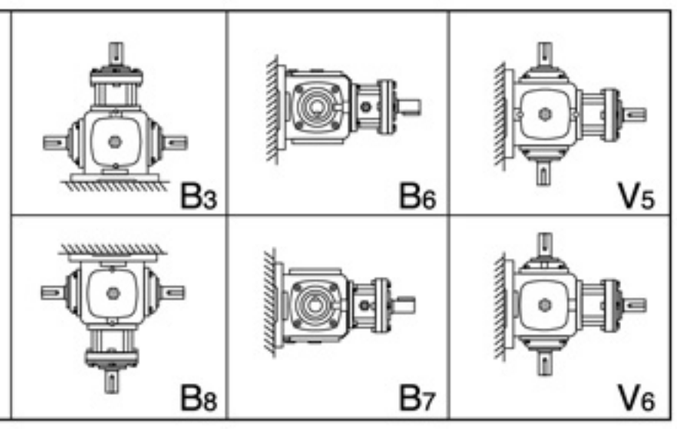


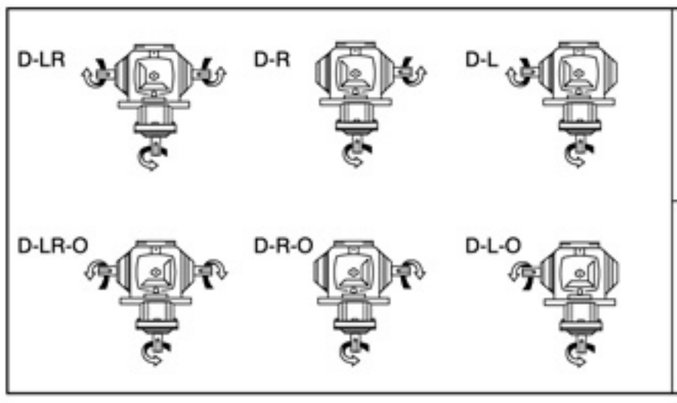


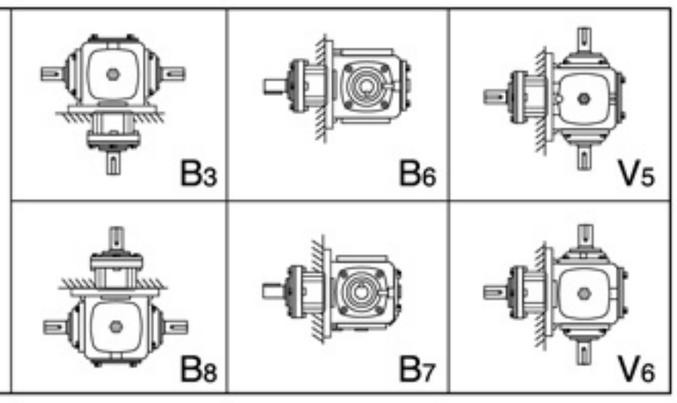


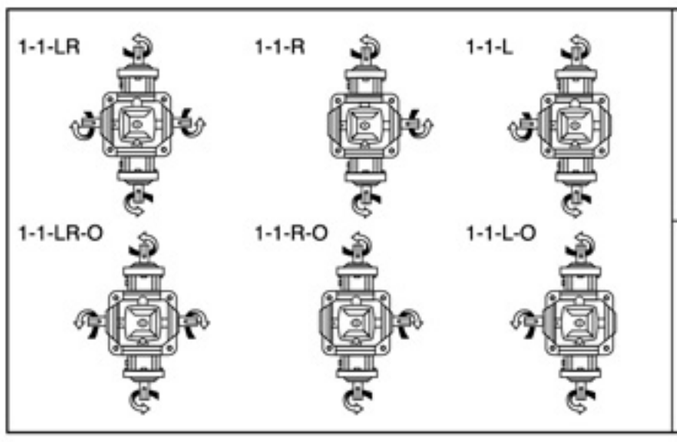


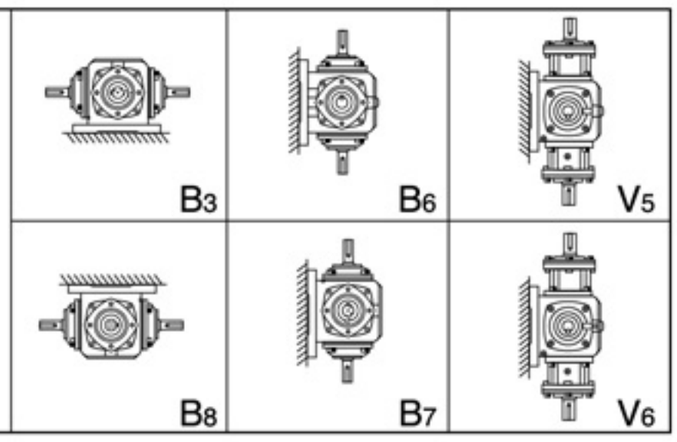


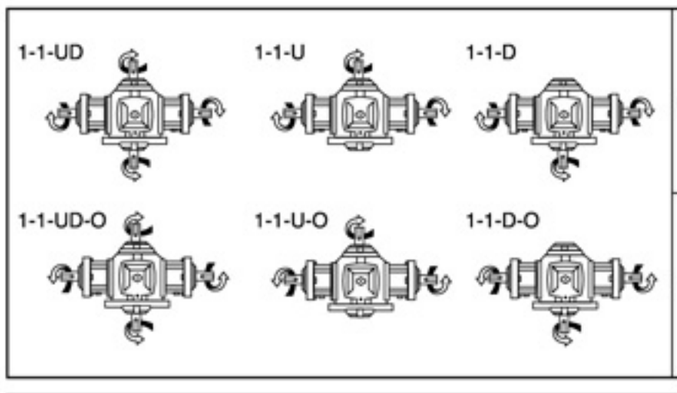


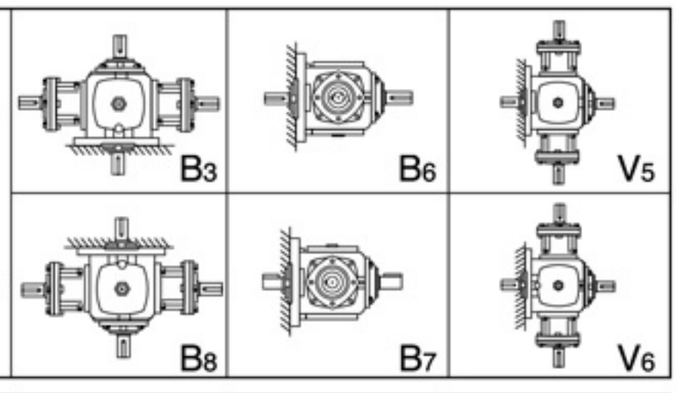


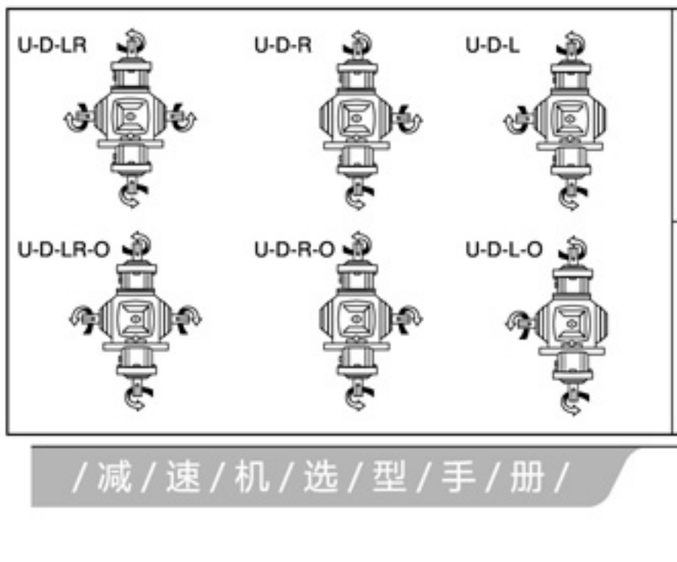


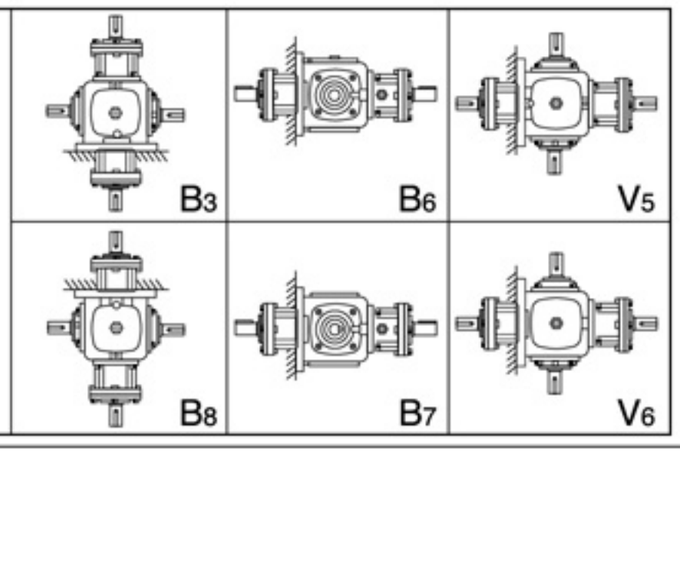




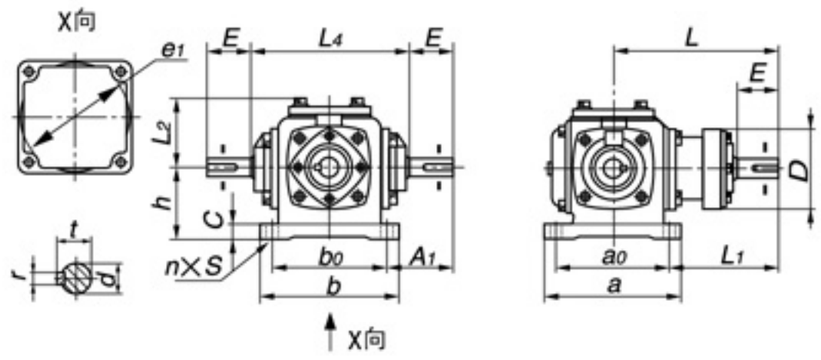




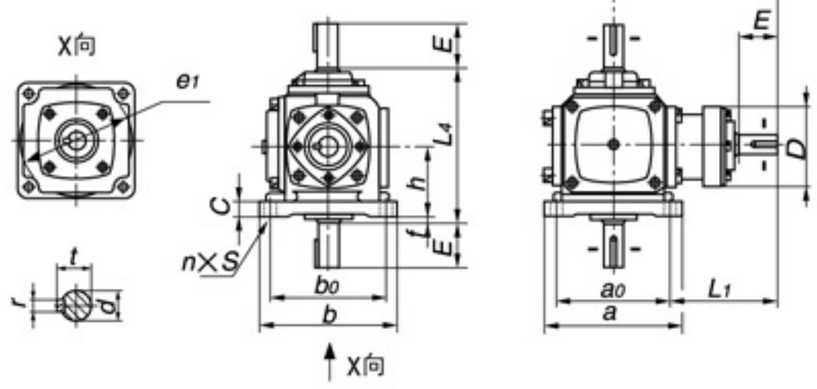




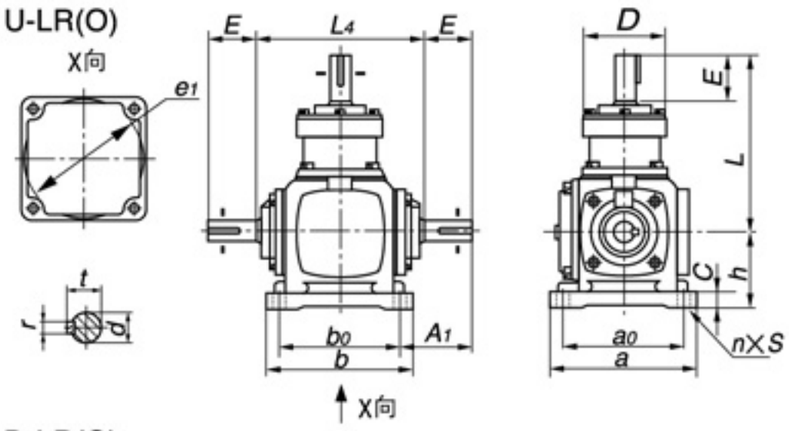
1-LR(O)



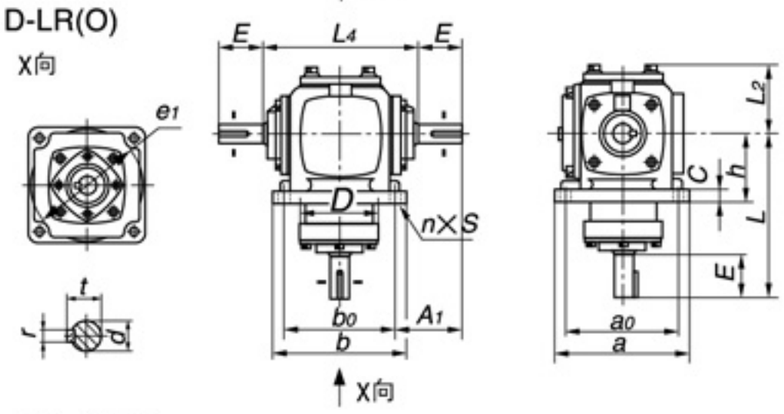
1UD(O)



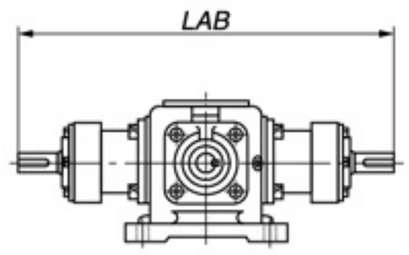
U-LR(O)



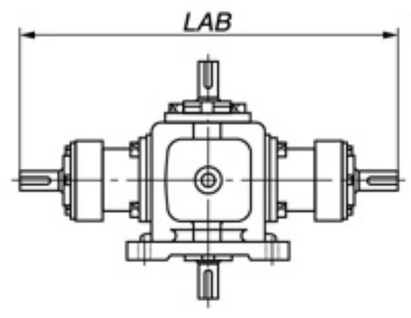
D-LR(O)



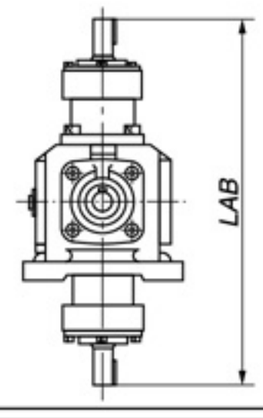
1-1-LR(O)



1-1-UD(O)



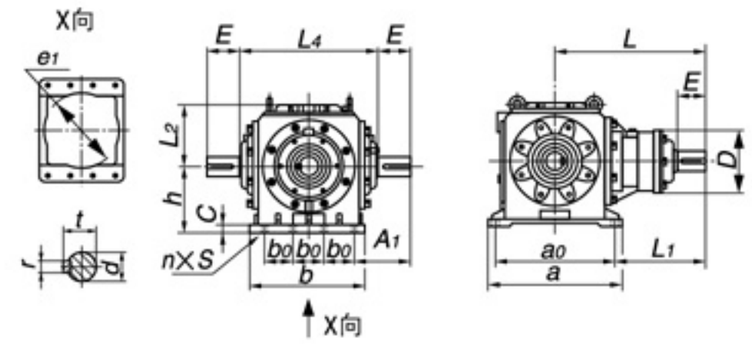
U-D-LR(O)



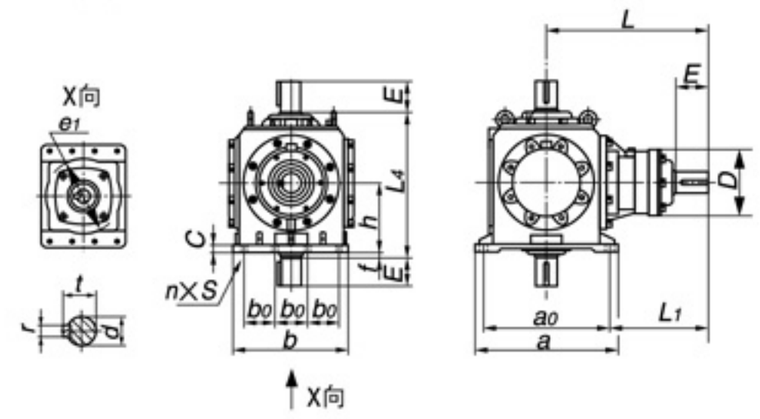
T

T20-T25

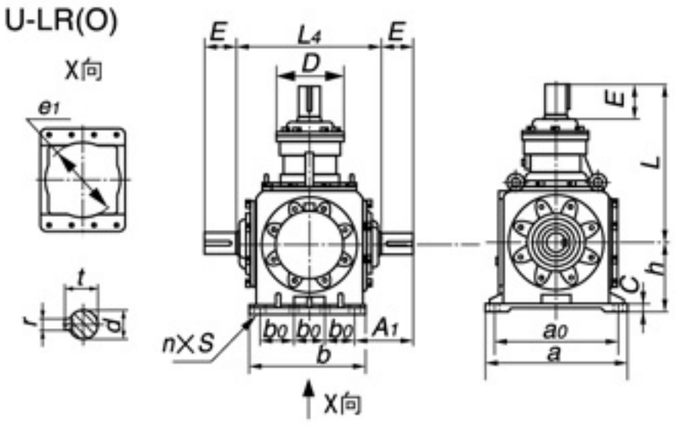
1-LR(O)



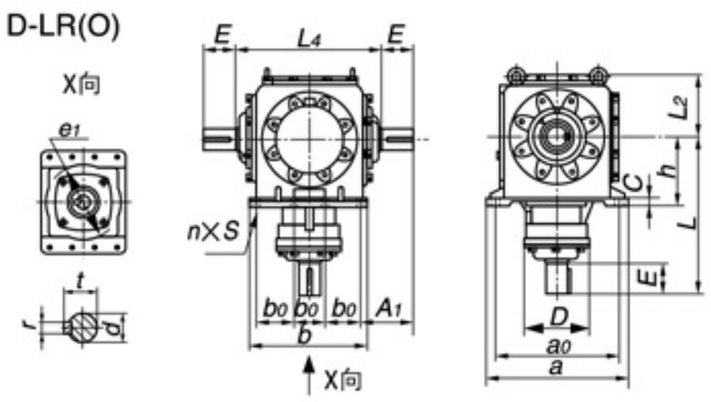
1-UD(O)

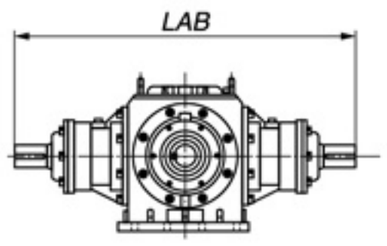


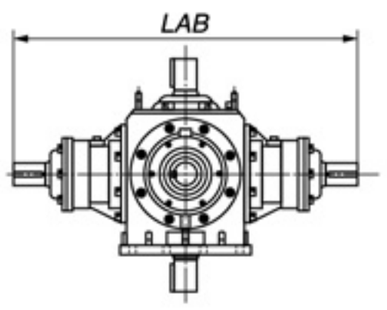
U-LR(O)

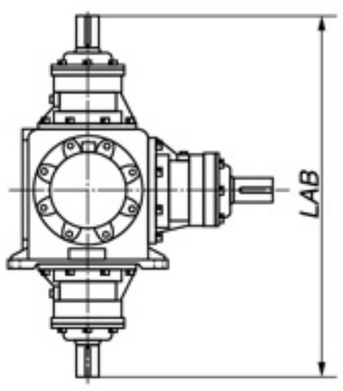


D-LR(O)









	T2	T4	T6	T7	T8	T10	T12	T16	T20	T25
A1	48	53.5	81	88	110.5	120	130	150	195	235
a	100	155	190	210	235	285	340	390	490	580
a0	84	125	152	174	195	240	290	330	430	520
b	100	155	190	210	235	285	340	390	410	480
b0	84	125	152	174	195	240	290	330	110	130
C	10	17	17	20	23	25	32	40	32	35
D	58	76	115	125	159	155	168	193	220	270
d(h7)	15	19	25	32	40	45	50	60	72	85
E	33	38	50	62	75	90	100	105	105	130
e1(H8)×深	94×3	155×5	190×5	220×5	250×5	305×5	370×5	420×7	360×10	430×10
f	5	2	17	13	18	10	0	10	10	10
h	52	76	90	100	115	140	175	200	245	290
L	124	180	222	265	308	360	415	455	545	660
L1	82	117.5	146	178	210.5	240	270	290	330	400
L2	52	76	87	97	114.5	133	160	186	217	255
L4	114	156	214	226	266	300	350	420	510	600
LAB	248	360	444	530	616	720	830	910	1090	1324
n	4	4	4	4	4	4	4	4	8	8
r	5	6	8	10	12	14	14	18	20	22
s	9	10.5	14	14	14	16	21	25	21	24
t	17	21.5	28	35	43	48.5	53.5	64	76.5	90

注意:当速比是4:1和5:1时，纵轴尺寸不变，横轴尺寸更改如下:

Note: When ratio is 4:1 and 5:1, dimenssion of output shaft is changeless, but that of input is changed as follows:

		T6	T7	T8	T10	T12	T16	T20	T25
4: 1	d (h7)	19	22	28	32	36	50	55	70
	E	38	50	62	62	75	100	105	105
	L	210	253	295	332	390	450	545	637
	L1	134	178	212.5	242	270	300	345	400
	LAB	420	566	590	664	780	900	1090	1274
	r	6	6	8	10	10	14	16	20
	t	21.5	24.5	31	35	39	53.5	59	74.5
5: 1	d (h7)	19	22	28	32	36	42	50	60
	E	38	50	62	62	75	90	100	105
	L	210	253	295	332	390	440	540	637
	L1	134	178	212.5	242	270	300	340	410
	LAB	420	566	590	664	780	880	1080	1262
	r	6	6	8	10	10	12	14	18
	t	21.5	24.5	31	35	39	45	53.5	64



TB系列螺旋锥齿轮转向箱概述：

特点：

TB系列是在T系列的基础上开发、设计的派生新产品。用简单的打断、换向、离合机构，可以实现以下四种功能：

1、输入方向不变，输出可以选择正转、反转、静止不转。

2、有单轴输出、双轴输出，在双轴输出时，可以左停右转、右停左转、同时停止、同时运转，方向可以相同，可以相反。

3、速比为1: 1，其它速比另咨询。

4、型号从TB6、TB7、TB8、TB10、TB12、TB16，其它型号另咨询。

TB series spiral bevel gearbox overview:

Specifications:

TB series are derivated from T series with interrupting part, transversal part, clutch, to realize the following functions:

1、Input rotation direction keep no change, output roation direction can be opposite, same or no rotation.

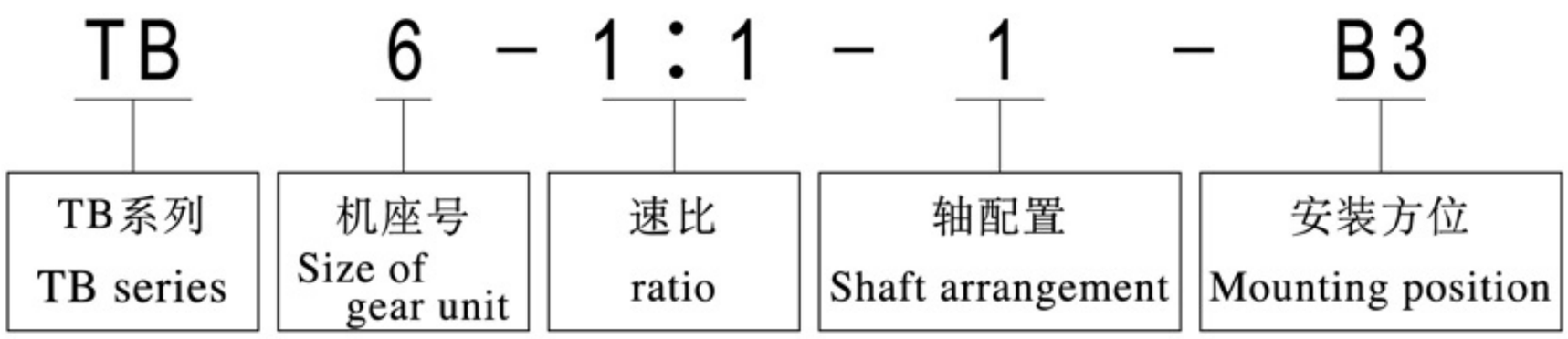
2、Single-shaft-put shaft, double output shafts. In case of double out-put shafts, one shaft rotate, the other can stop; two output shafts can stop rotating or rotate together; and the rotative dinection of two output shafts can be the same or opposite.

3、Generally, ratio is 1:1,if not, please consult us.

4、Beyond type range: TB6、TB7、TB8、TB10、TB12、TB16, please consult us.

TB型号表示方法：

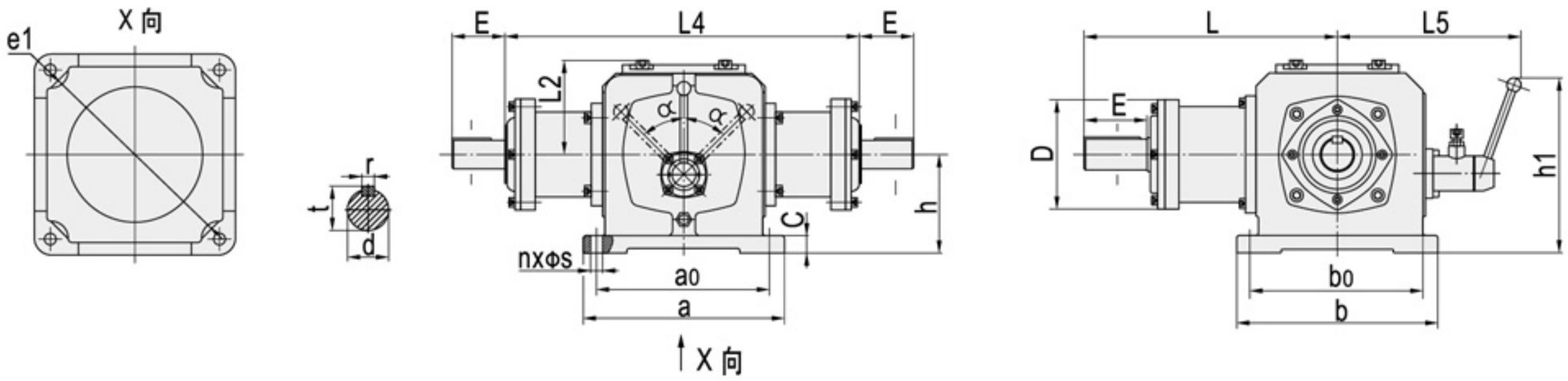
TB series model illustration:



T

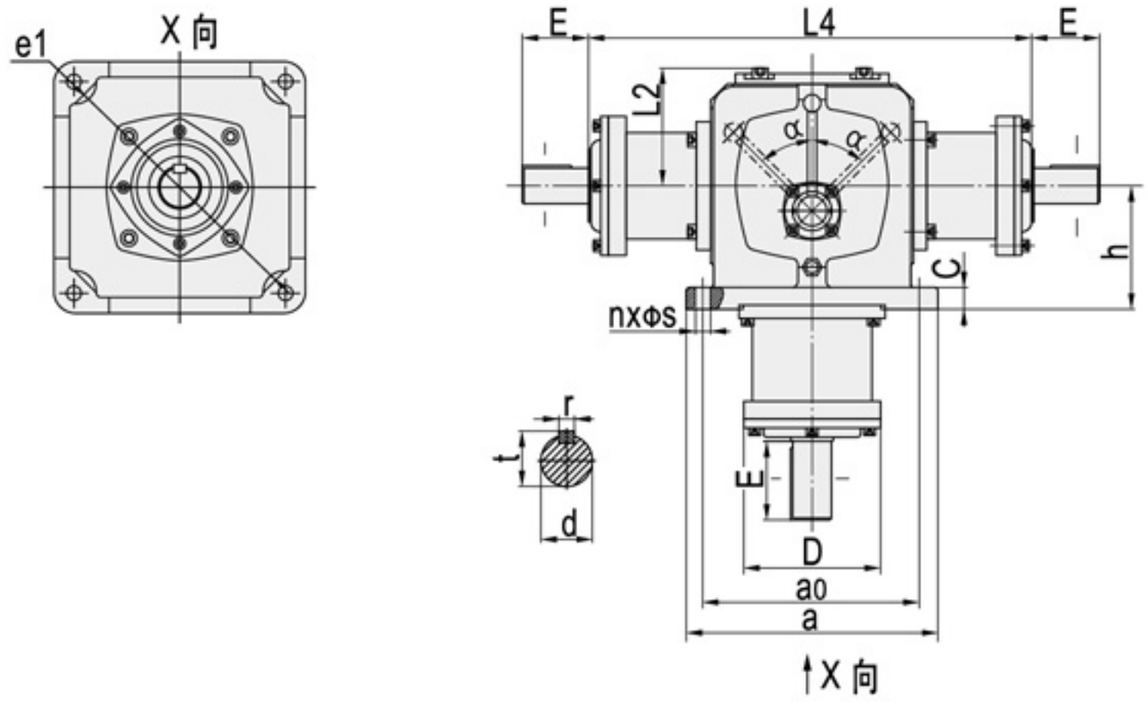
尺寸图表、轴配置及轴旋转方向的关系、安装方位：

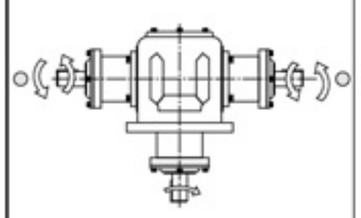
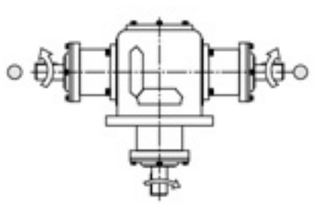
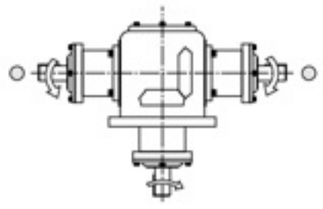
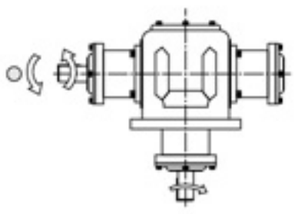
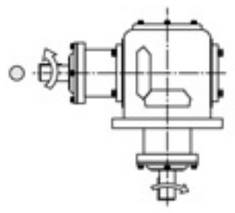
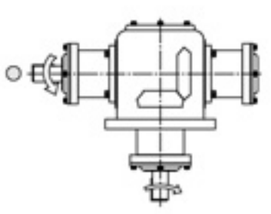
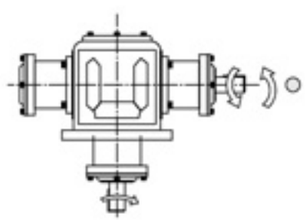
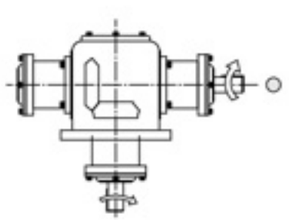
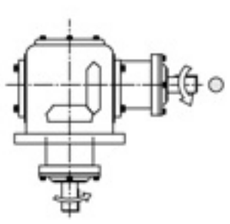
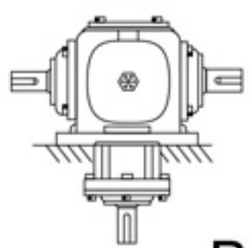
The relationship between shaft arrangements and direction of shaft rotation, Mounting position and dimension sheets:



注：1.○此符号表示停止不转。
2.其它安装方位请来电咨询。

Note:1. “ ○ ” indicates “no roation”.
2. For other mounting position please contact us.

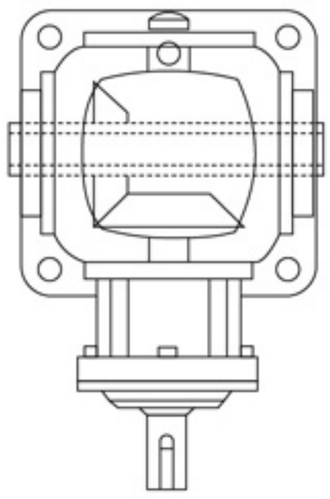


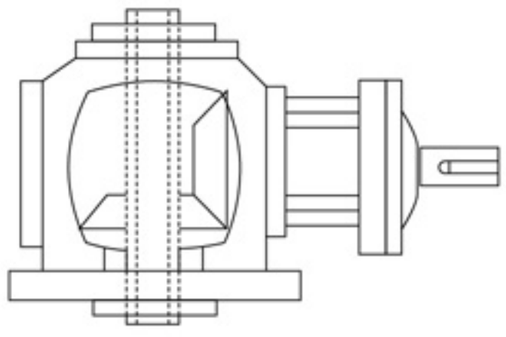
01 	02 	03 	04 	05 	06 
07 	08 	09 	 B3	注：1.○此符号表示停止不转。 2.其它安装方位请来电咨询。 Note:1.“○”indicates“no roation”. 2.For other mounting position please contact us.	

	TB6	TB7	TB8	TB10	TB12	TB16
a	190	210	235	285	340	390
a0	152	174	195	240	290	330
b	190	210	235	285	340	390
b0	152	174	195	240	290	330
c	17	20	23	25	32	40
d(h7)	25	32	40	45	50	60
E	50	62	75	90	100	105
e1(H8)X 深	190X5	220X5	250X5	305X5	370X5	420X7
L2	87	99	114.5	133	160	186
h	90	100	115	140	175	200
L	222	265	308	360	415	455
L4	214	226	266	300	350	420
L5	175	186	239	262	307.5	336
h1	182	192.5	225	248	313.3	324
n	4	4	4	4	4	4
r	8	10	12	14	14	18
S	14	14	14	16	21	25
t	28	35	43	48.5	53.5	64
D	115	125	159	155	168	193
α	45°	45°	40°	40°	42°	42°

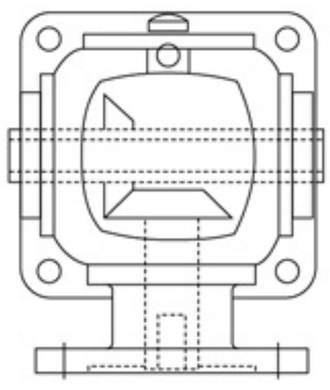
螺旋锥齿轮转向箱如带输入法兰、空心轴、内外花键请来电咨询：

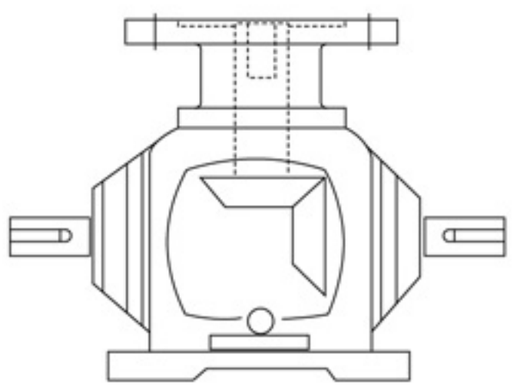
Please refer to us, if seleeting shaft with involute spline or shrink disk:





带空心输入输出轴 With hollow input or output shaft





带输入输出法兰 With input or output flange

T

一、概述 Profile

SWL 系列蜗轮丝杆升降机广泛应用于机械、冶金、建筑、水利设备等行业，具有起升、下降及借助辅件推进、翻转及各种高度位置调整等诸多功能。

SWL 蜗轮丝杆升降机是一种基础起重部件，具有结构紧凑、体积小、重量轻、动力源广泛、无噪音、安装方便、使用灵活、功能多、配套形式多、可靠性高、使用寿命长等许多优点。可以单台或组合使用，能按一定程序准确地控制调整提升或推进的高度，可以用电动机或其他动力直接带动，也可以手动。它有不同的结构型式和装配型式，且提升高度可按用户的要求定制。

SWL series worm wheel screw elevator is widely applied in industries such as machinery, metallurgy, construction, and hydraulic equipment, and has many functions such as lifting and pushing and turning with the help of accessories or adjusting height and position. This series worm screw elevator is one model of basic hoisting parts and has numerous features of compact structure, small volume, light weight, wide drive sources, low noise, high reliability, and long lifespan. In addition, they are easy to be mounted, flexible in use and enjoy multiple functions. This series, driven by motor or other power or manually, can be used both single and combined with others to accurately control the adjustment of height of lifting or pushing by certain programs. For there are many structures and mounting positions, the lifting height can be adjusted to the customers' requirements.

二、型式、规格及表示方法

1. 结构形式

1 型——丝杆作轴向移动

2 型——丝杆作旋转运动、螺母作轴向移动

2. 装配型式

A 型——丝杆（或螺母）向上移动

B 型——丝杆（或螺母）向下移动

3. 丝杆头部型式

1 型结构型式的丝杆头部分为Ⅰ型（圆柱型）、Ⅱ型（法兰型）、Ⅲ型（螺纹型）、Ⅳ型（扁头型）四种型式;

2 型结构型式的丝杆头部分为Ⅰ型（圆柱型）、Ⅲ型（螺纹型）二种型式。

4. 传动比

普通速比（P）、慢速比（M）

5. 提升承载能力

2.5，5，10，15，20，25，35（× 10kN）七种

6. 丝杆的防护

1 型结构有基本型、防旋转型（F）和带防护罩型（Z）;

2 型结构有基本型和带防护罩型（Z）。

7. 表示方法

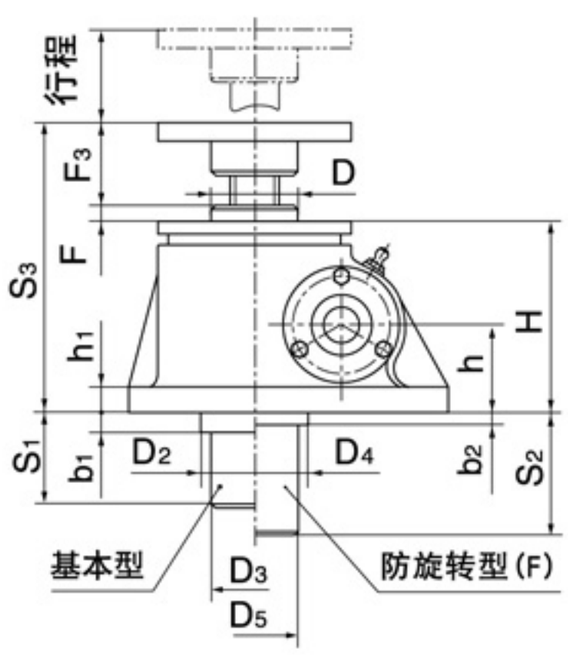
SWL 2.5 M — 1 A — Ⅱ 500 FZ

- 丝杆防护型式代号（基本型不注）
- 丝杆行程（mm）
- 丝杆头部型式代号
- 装配型式代号
- 结构型式代号
- 传动比代号（普通 P 不注）
- 承载能力（25kN，相当于 2.5 吨）
- 蜗轮丝杆升降机

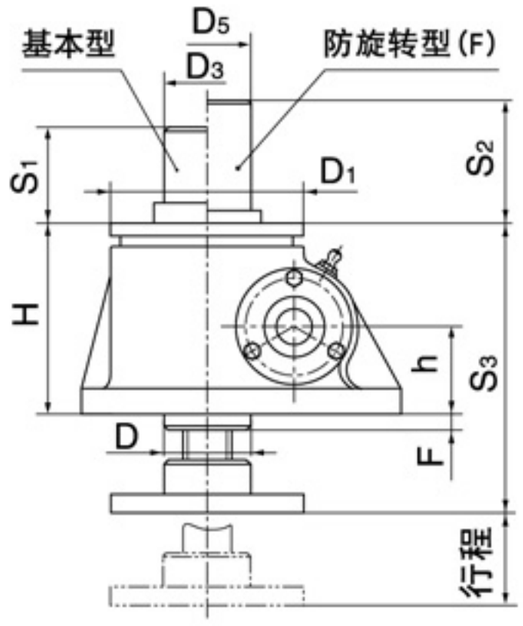
三、外形尺寸

1 型结构型式

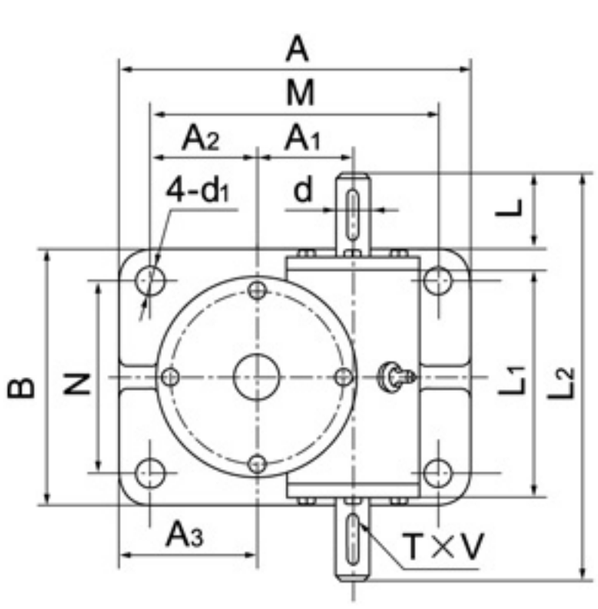
装配型式 A



装配型式 B



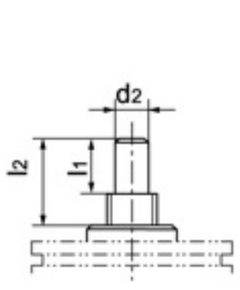
K向



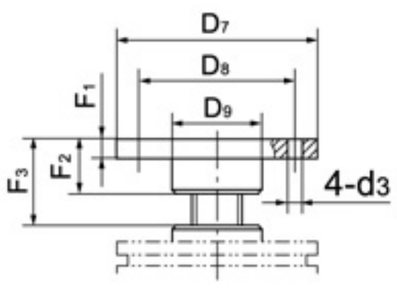
型 号	S_1	S_2	S_3*	A	B	M	N	H	h	h_1	d(k6)	d_1	键 GB1096	L	L_1	L_2	D	D_1	D_2	D_3	D_4	D_5	A_1	A_2	A_3	b_1	b_2	F
SWL2.5	行程+20	行程+80	150.5	165	120	135	90	97	45	12	16	14	5 × 5 × 28	32	110.5	190	48	98	70	45	98	62	45.2	50	65	20	20	8.5
SWL5		行程+90	193	212	155	168	114	130	61.5	18	20	17	6 × 6 × 27	30	132	228	65	122	90	62	110	62	56.2	58	80	25	18	12
SWL10 SWL15		行程+100	230	235	200	190	155	150	70	16	25	21	8 × 7 × 38	42	172	280	80	150	100	80	130	80	66.8	63.5	86	17	18	6.5
SWL20		行程+120	262	295	215	240	160	176	87	20	28	28	8 × 7 × 45	51	213.5	322	100	185	120	80	170	78	72	95	122.5	35	31	6
SWL25		行程+150	317	360	260	280	190	217	102	25	32	34	10 × 8 × 45	51	221	355	130	205	150	110	200	110	97	95	130	30	40	8
SWL35		行程+150	350	430	280	360	210	240	115	30	38	35	10 × 8 × 65	75	265	430	150	260	180	123	210	169	120	135	170	35	40	10

丝杆头部型式

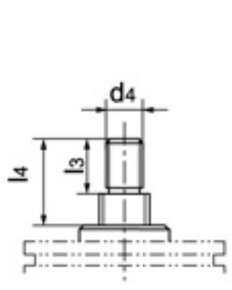
Ⅰ型



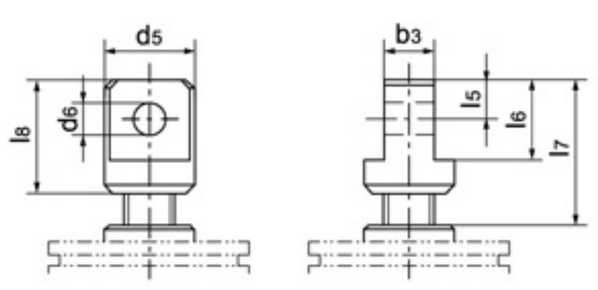
Ⅱ型



Ⅲ型



Ⅳ型



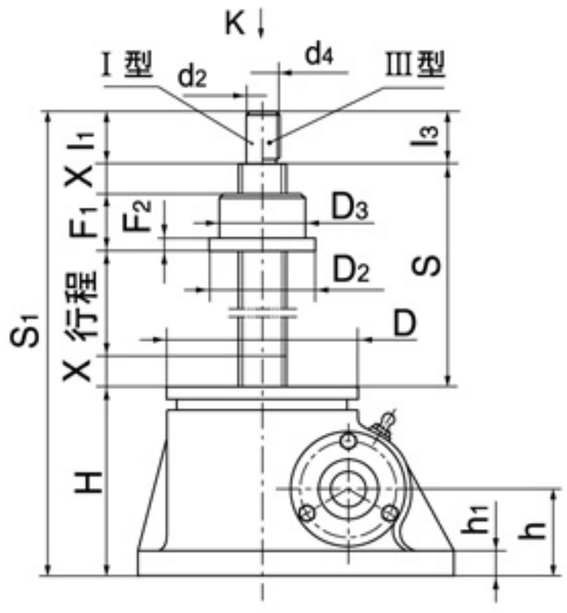
型 号	丝杆头部型式																			
	Ⅰ			Ⅱ							Ⅲ			Ⅳ						
	d_2(k6)	l_1	l_2	D_7	D_8	D_9	d_3	F_1	F_2	F_3*	d_4	l_3	l_4	d_5	d_6(H8)	b_3	l_5	l_6	l_7*	l_8
SWL2.5	20	30	45	98	75	40	14	12	30	45	M22 × 1.5-6g	30	45	50	25	30	25	50	85	70
SWL5	25	40	51	122	85	50	17	18	40	51	M30 × 2-6g	39	51	65	35	42	37.5	75	117	105
SWL10	40	50	73.5	150	105	65	21	20	50	73.5	M42 × 2-6g	50	73.5	90	50	60	50	100	153.5	130
SWL15																				
SWL20	50	60	80	185	140	90	26	20	60	80	M48 × 2-6g	48	80	110	60	75	60	120	170	150
SWL25	70	63	92	205	155	100	27	25	63	92	M70 × 3-6g	63	92	130	70	90	70	140	204	175
SWL35	80	80	100	260	200	130	33	30	80	100	M80 × 3-6g	80	100	150	80	105	80	160	240	220

*注：以上表格内S_3、F_3、l_7数值为不带防尘罩时尺寸，如需防尘罩时，尺寸请参考JWM系列（详见338页至343页）。

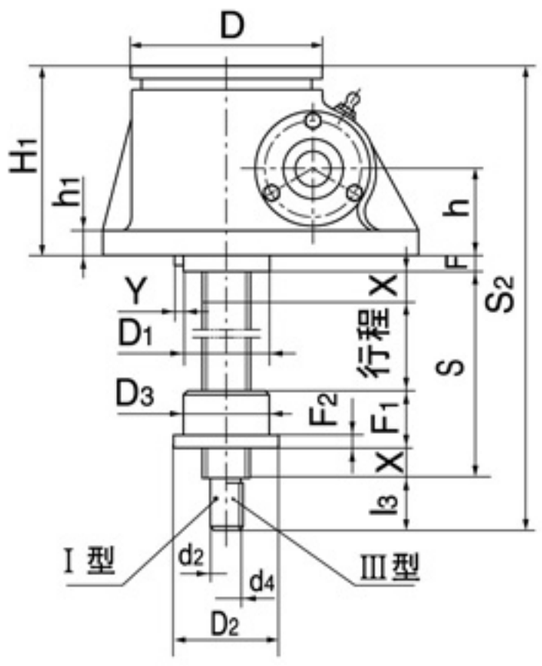
SWL

2 型结构型式

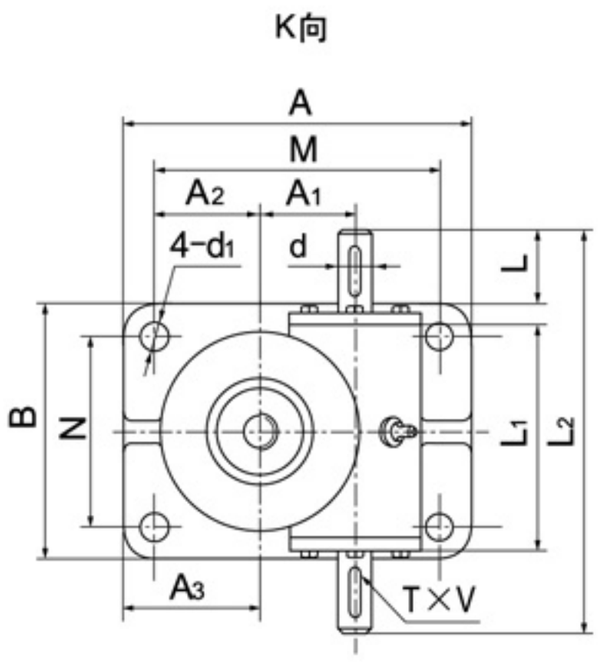
装配型式 A



装配型式 B



K向

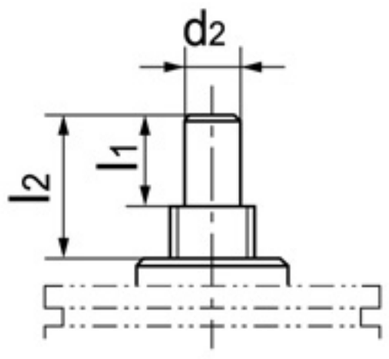


型 号	S	S_1	S_2	A	B	M	N	H	H_1	h	h_1	d(k6)	d_1	键 GB1096	L	L_1	L_2	D	D_1	A_1	A_2	A_3	F	安全裕度 X	Y
SWL2.5	行程+85	行程+215	行程+238.5	165	120	135	90	100	97	45	12	16	14	5 × 5 × 28	32	110.5	190	98	68	45.2	50	65	26.5	20	3
SWL5	行程+100	行程+270	行程+300	212	155	168	114	131	131	61.5	14	20	17	6 × 6 × 27	30	132	228	122	83	56.2	58	80	30	20	3
SWL10 SWL15	行程+125	行程+335	行程+359	235	200	190	155	160	150	70	16	25	21	8 × 7 × 38	42	172	280	150	110	66.8	63.5	86	34	25	1
SWL20	行程+150	行程+404	行程+430	295	215	240	160	194	181	87	20	28	28	8 × 7 × 45	51	213.5	322	185	140	72	95	122.5	39	25	3
SWL25	行程+170	行程+476	行程+513	350	260	280	190	226	211	102	25	32	35	10 × 8 × 45	51	221	355	205	160	97	95	140	52	25	3
SWL35	行程+205	行程+535	行程+580	430	280	360	210	250	250	115	30	38	35	10 × 8 × 65	75	265	430	260	180	120	135	170	45	30	4

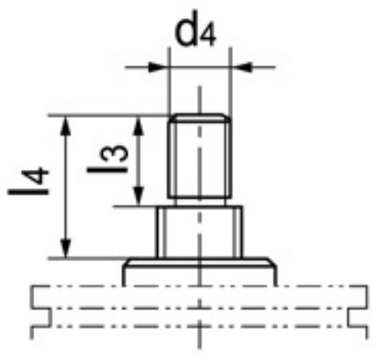
SWL

丝杆头部型式及螺母尺寸

I 型



III型



型 号	活动螺母尺寸				丝杆头部型式			
					I		III	
	D_2	D_3 (h9)	F_1	F_2	d_2(k6)	l_1	d_4	l_3
SWL2.5	80	50	45	15	20	30	M22 × 1.5-6g	30
SWL5	87	70	60	18	25	40	M30 × 2-6g	39
SWL10 SWL15	110	90	75	25	40	50	M42 × 2-6g	50
SWL20	120	90	100	30	50	60	M48 × 2-6g	60
SWL25	155	130	120	35	70	63	M70 × 3-6g	63
SWL35	190	150	145	35	80	80	M80 × 3-6g	80



四、升降机的主要性能参数表

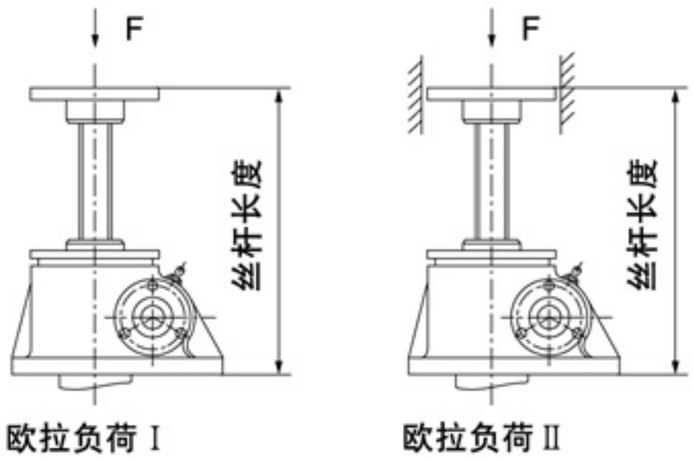
型　　号		SWL2.5	SWL5	SWL10	SWL15	SWL20	SWL25	SWL35
最大起升力（kN）		25	50	100	150	200	250	350
丝杆螺纹尺寸		Tr30 × 6	Tr40 × 7	Tr58 × 12		Tr65 × 12	Tr90 × 16	Tr100 × 20
最大拉力（kN）		25	50	99		166	250	350
蜗轮蜗杆传动比	P	1/6	1/8	3/23		1/8	3/32	3/32
	M	1/24	1/24	1/24		1/24	1/32	1/32
蜗杆每转行程（mm）	P	1.0	0.875	1.565		1.56	1.5	1.875
	M	0.250	0.292	0.5		0.5	0.5	0.625
拉力负荷时丝杆的最大伸长（mm）		1500	2000	2500		3000	3500	4000
最大压力负荷时的最大提升高度（mm）	丝杆头部无导向	250	385	500	400	490	850	820
	丝杆头部导向	400	770	1000	800	980	1700	1640
满载时蜗杆扭矩（N · m）	P	18	39.5	119	179	240	366	464
	M	8.86	19.8	60	90	122	217	253
效率（%）	P	22	23	20.5		19.5	16	18
	M	11	11.5	13		12.8	9	11
功率（kw）		P=T × n/9550　{ T:扭矩（N · m）; n:转速（r/min） }						
不加行程的重量（kg）		7.3	16.2	25		36	70.5	87
丝杆每 100mm 的重量（kg）		0.45	0.82	1.67		2.15	4.15	5.20
润滑剂		合成钙钠基润滑脂 ZGN-1 或 ZGN-2（-20℃ ~ +100℃）						
润滑脂量（kg）		0.1	0.3	0.5		0.75	1.1	1.9

五、提升力和提升速度表

型 号	提升力（kN）	提升速度 m/min（普通）	蜗杆转速 r/min	提升速度 m/min（慢速）	蜗杆转速 r/min	型 号	提升力（kN）	提升速度 r/min（普通）	蜗杆转速 r/min	提升速度 r/min（慢速）	蜗杆转速 r/min
SWL2.5	25			0.0125	50	SWL20	200	0.15	100	0.10	200
	20			0.15	600		160	0.15	100	0.15	300
	15			0.188	750		120	0.30	200	0.15	300
	10			0.25	1000		100	0.30	200	0.25	500
	5			0.45	1800		75	0.45	300	0.375	750
SWL5	50	0.044	50	0.0146	50		50	0.75	500	0.50	1000
	40	0.264	300	0.175	600		25	1.50	1000	0.90	1800
	30	0.264	300	0.219	750	SWL25	250	0.075	50	0.025	50
	20	0.526	600	0.292	1000		200	0.15	100	0.10	200
	10	0.876	1000	0.525	1800		160	0.15	100	0.15	300
	5	1.575	1800	0.525	1800		130	0.30	200	0.15	300
SWL10	100	0.288	200	0.15	300		100	0.45	300	0.25	500
	75	0.432	300	0.25	500		75	0.45	300	0.30	600
	50	0.432	300	0.375	750		50	0.90	600	0.50	1000
	35	0.864	600	0.90	1800	SWL35	350	0.094	50	0.0313	50
	20	1.44	1000	0.90	1800		300	0.104	100	0.125	200
	10	2.592	1800	0.90	1800		250	0.208	100	0.188	300
SWL15	150	0.072	50	0.025	50		200	0.416	200	0.188	300
	100	0.288	200	0.15	300		150	0.624	300	0.313	500
	80	0.288	200	0.25	500		100	0.624	300	0.47	750
	60	0.432	300	0.30	600		50	1.248	600	0.626	1000
	40	0.720	500	0.50	1000						
	20	1.44	1000	0.90	1800						
	10	2.592	1800	0.90	1800						

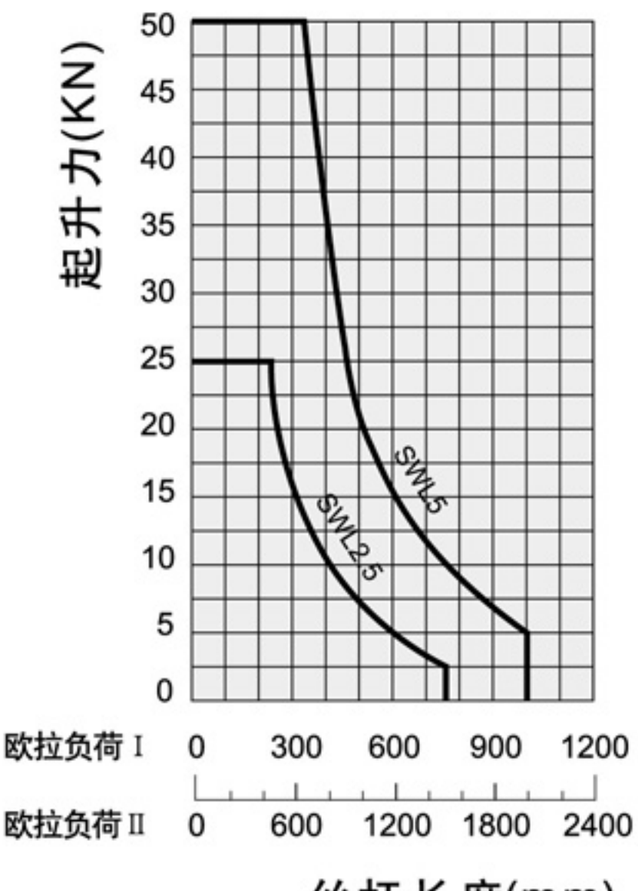
注：表中参数是在环境温度20℃，工作持续率每小时20% 或每分钟40% 情况下得出的；
当转速超过表中数值时，提升元件会因过热而出现早期磨损，使用时应严加注意。

六、丝杆长度与极限负荷的关系



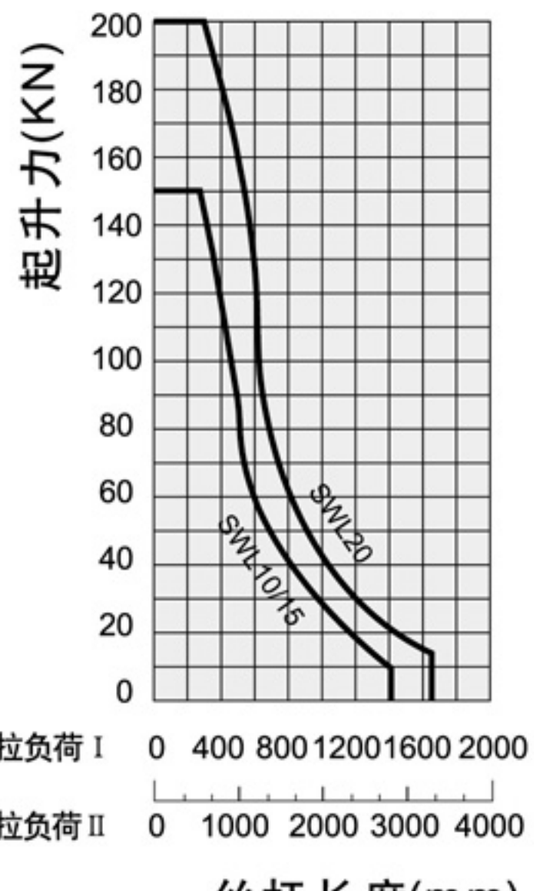
欧拉负荷Ⅰ　　欧拉负荷Ⅱ

图1



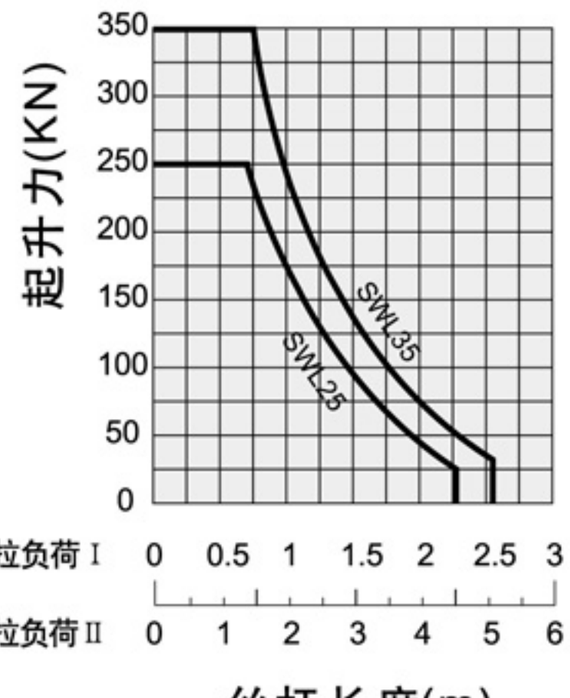
丝杆长度(mm)

图2



丝杆长度(mm)

图3



丝杆长度(m)

图4

七、升降机的选型说明:

根据丝杆行程和提升负荷查图 1 ~ 图 4，找出所需升降机的型号，再查提升力和提升速度表，校核提升速度是否满足要求。

例：已知提升负荷为 F=20kN，丝杆行程 =400mm， 提升速度 V=0.65m/min,试求所需的升降机。

根据 F=20kN，丝杆行程 =400mm 查图 2，选择 SWL5 升降机。再查提升力和提升速度表核对 SWL5 升降机在 20KN 负荷下只允许 0.526m/min 的速度，只有重选大型号的升降机。再查提升力和提升速度表得知 SWL10 在 20KN 负荷下允许提升速度为 1.44m/min 而满足要求。

八、说明:

1) 当压力负荷减小时，提升高度可随之增大（两者具体关系详见图 2 ~ 图 4）；

2) 在提升不同的负荷时，所允许的扭矩、功率、转速也不同，且不同工作持续率的最大功率也不同；

3) 1 型结构采用油脂润滑，随着温度的升高应及时补充润滑剂；

4) 表中的效率为用油脂润滑条件下的参数；

5) 工作期间应及时更换润滑剂；

6) 工作环境温度 :-20℃ ~ +80℃；

7) 在静止状态一般可以自锁。

JW丝杆升降机概述

JWM型（梯形丝杆型）

低速、低频率

JWM型（梯形丝杆型）适用于低速、低频率的场合，
主要构成部件为：精密梯形丝杆副与高精度蜗轮蜗杆副。

1) 价格经济、结构紧凑、操作简单、保养方便。

2) 低速、低频率：
主要用于大负荷、低速与无需频繁工作的场所。

3) 保持载重：梯形丝杆具有自动锁定功能，既使没有制动装置也可保持载重。

***在受到较大振动，冲击载荷时，可能会使自锁功能失效，此时请外加制动装置。**



JWB型（普通滚珠丝杆型）

高速　　高频率

JWB型（普通滚珠丝杆型），适用于高速，高频率和高性能的装置中，主要构成部件为精密滚珠丝杆副与高精度蜗轮蜗杆副。

1) 高效率：只需很小的驱动源，就可以产生很大的推动力。

2) 高速化：与梯形丝杆相比，速度有很大的提高，能轻松而高速地运转。

3) 使用寿命长：采用高质量的滚珠丝杆，使其工作寿命提高3倍以上。

注：本身无自锁功能，需外加制动装置或选择带有制动的驱动源。



JW series screw jack overview:

JWM (Trapezoid screw)

LOW SPEED　　LOW FREQUENCY

JWM (trapezoidal screw) is suitable for low speed and low frequency.

Main components: Precision trapezoid screw pair and high precision worm-gears pair.

1) Economical:
Compact design, easy operation, convenient maintenance.

2) Low speed, low frequency:
Be suitable for heavy load, low speed, low service frequency.

3) Self-lock
Trapezoid screw has self-lock function, it can hold up load without braking device when screw stops traveling.

Braking device equipped for self-lock will be of malfunction accidentally when large jolt & impact load occur.



JWB (General ball screw)

HIGH SPEED　　HIGH FREQUENCY

JWB (General ball screw) is suitable for high speed, high frequency and excellent performance.

Main components: Precision ball screw pair and high precision worm-gears pair.

1) High efficiency
Rolling friction improve efficiency greatly, only a little drive power can generate great thruust force.

2) High speed
Rolling friction speed up travel of screw easily.

3) Lifetime longer
High precision ball screw can make JWB's lifetime longer by 3 times comparing with JWB.

Note: Braking devices or motor with braking devices are necessary when choosing JWB.

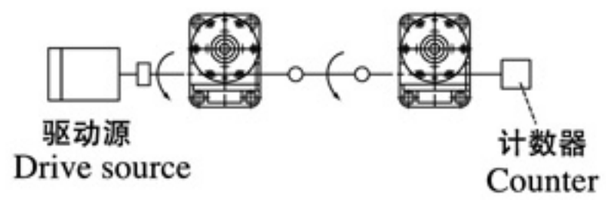


JW

应用示例：

两台连动：

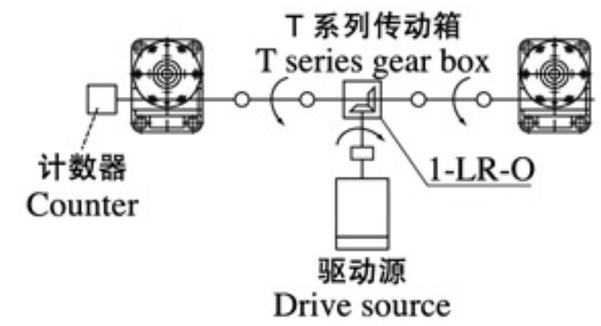
直线型
Linear arrangement



Application example:

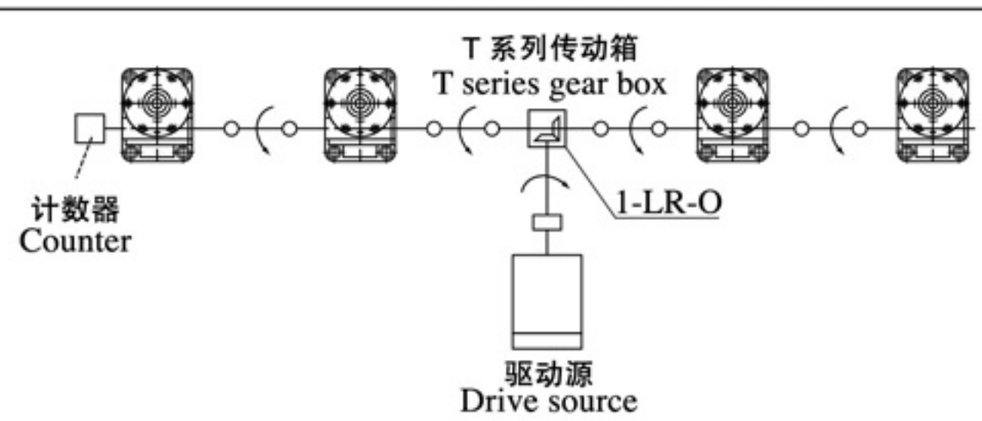
Two gear boxes linking:

T型
T arrangement



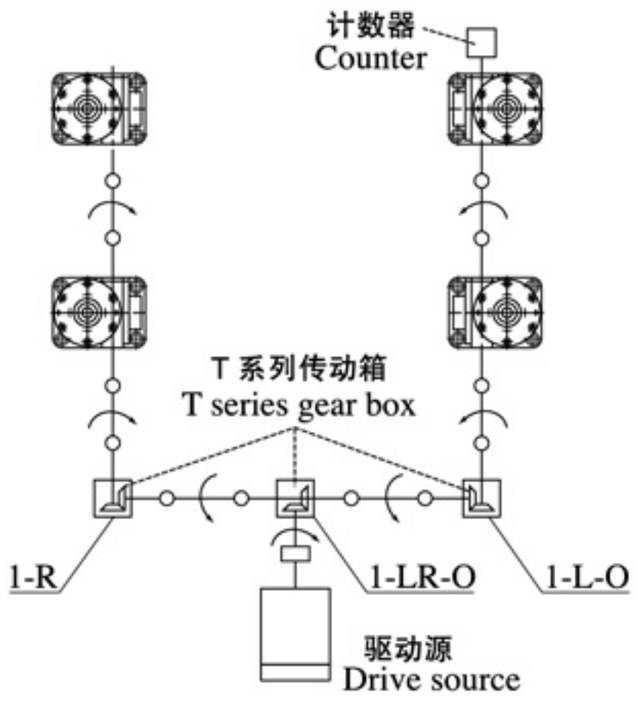
四台连动：

T型
T arrangement

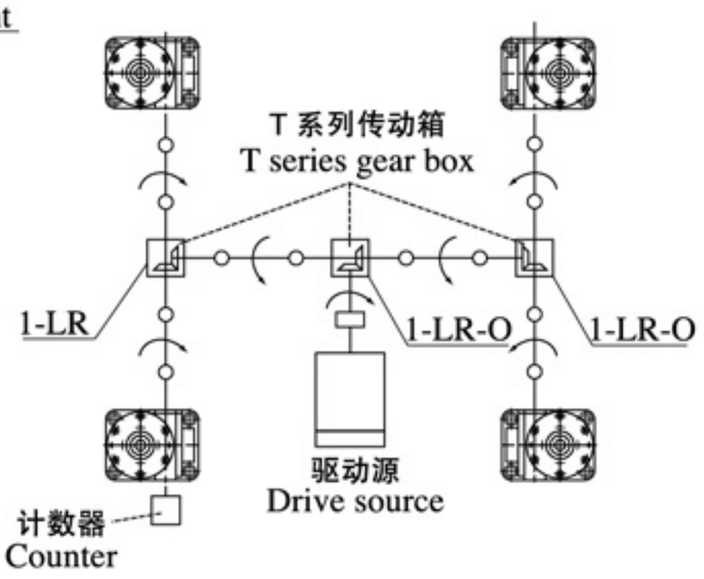


Four gear boxes linking:

U型
U arrangement



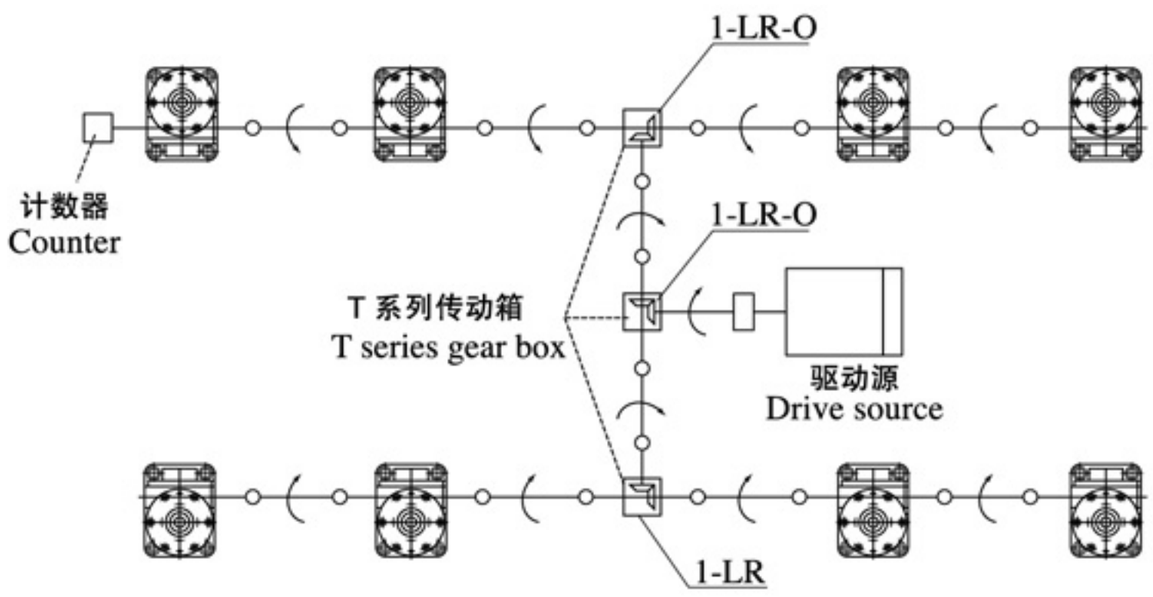
H型
H arrangement



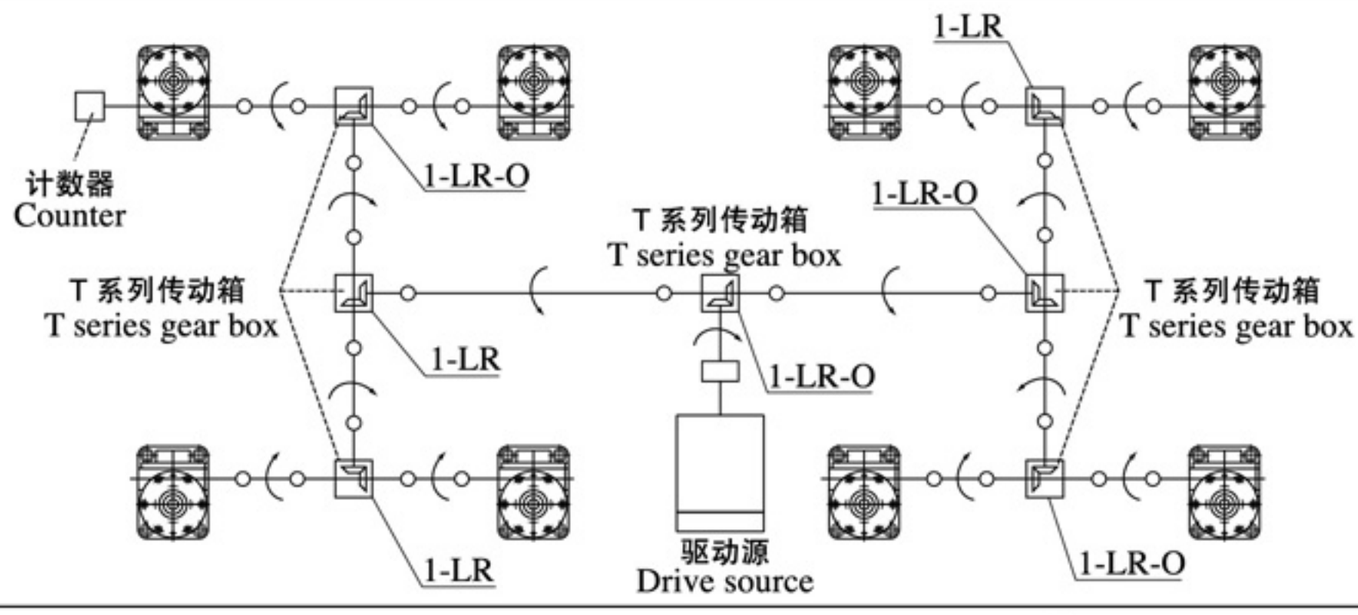
八台连动：

Eight gear boxes linking:

H发展型
H developed arrangement



2H型
2H arrangement



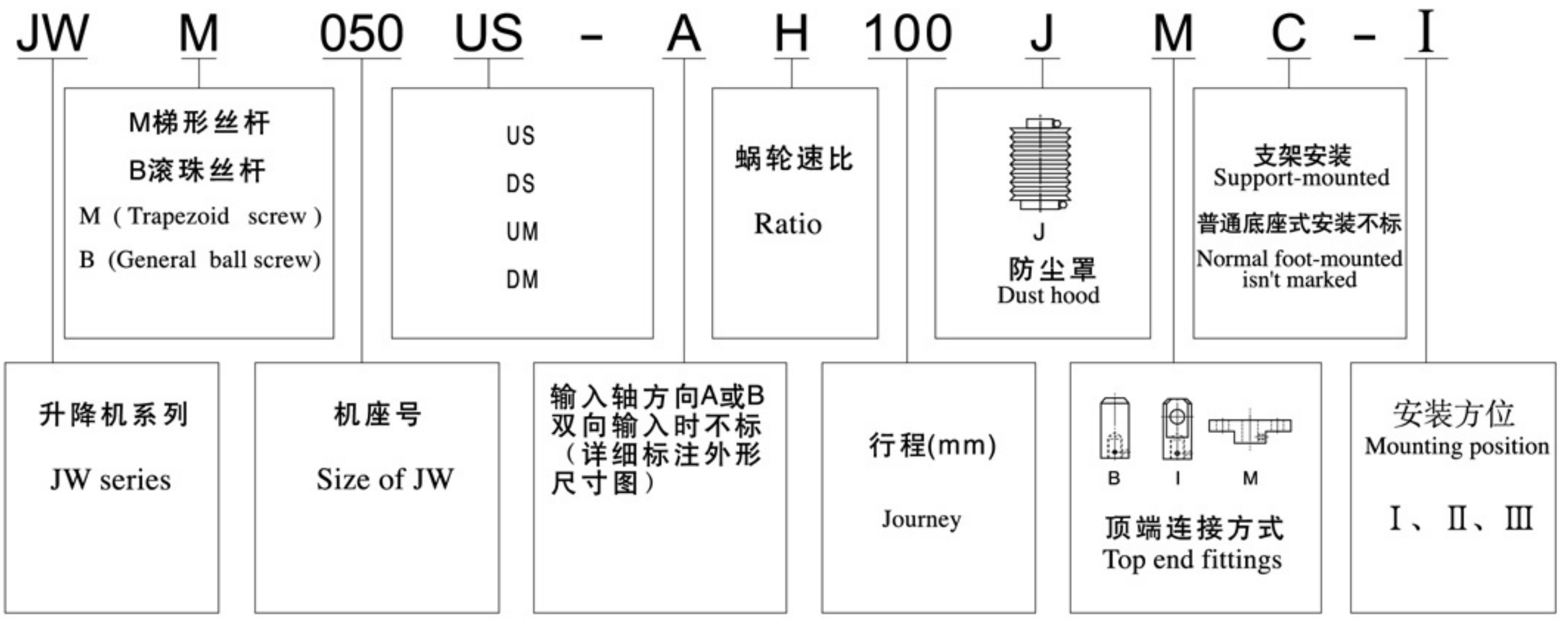


型号表示方法举例：

基本形式和止旋构造升降机的型号表示方法：

Illustration of types:

Plain mode and Mode with anti-rotation device:

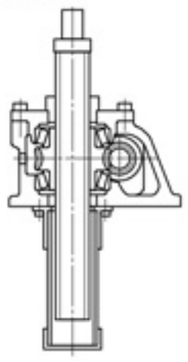


基本形式（US，DS）

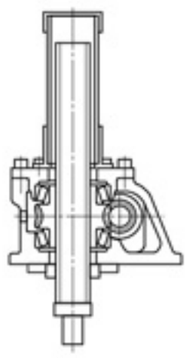
螺母转动，丝杆上下移动并伴随附加的旋转运动，(如下图)

US：押上　DS：吊下

* 请根据载荷方向、安装方向来选择合适的升降机(US或DS).
* 丝杆轴在升降时，会产生旋转力，所以必须做好防止旋转措施.



US

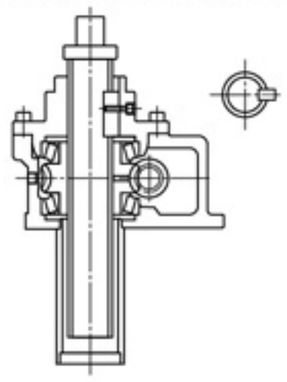


DS

止旋构造（UM，DM）

UM：押上　DM：吊下

* 丝杆只能上下移动
* 请根据载荷方向、安装方向来选合适的升降机（UM或DM）



(JWM100-JWM200)

UM

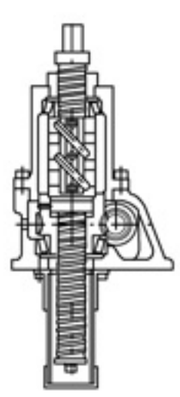
Plain mode (US, DS)

Worm wheel rotating, threaded spindles travel up and down.

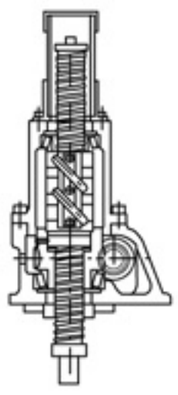
Ordinary mounting mode is applied here,

US: UPRISE DS: DROP

* Select US or DS according to the load and mounting positions.
* Anti-rotation measures must be taken because torque on screw will be caused when screw traveling up and down.



US

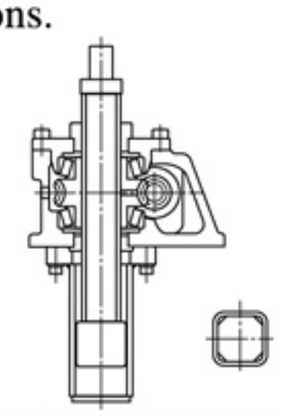


DS

With Anti-rotation device.

UM: UPRISE DM: DROP

* No rotation of screw, which only travel up and down.
* Select UM or DM according to the load and mounting positions.

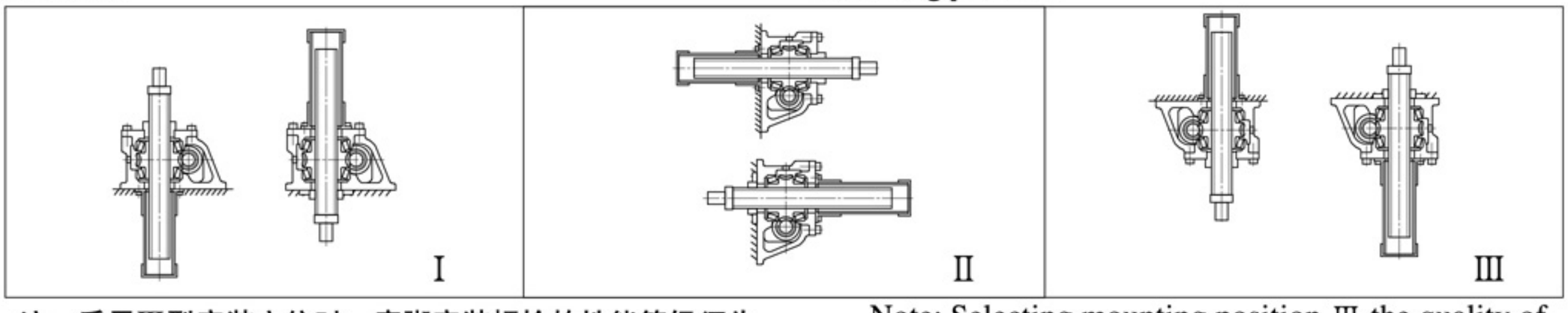


(JWM010-JWM050) (JWB010-JWB200)

DM

安装方位

Mounting position



注：采用Ⅲ型安装方位时，底脚安装螺栓的性能等级须为10.9级以上。

Note: Selecting mounting position Ⅲ,the quality of bolt on housing feet reaches 10.9.

活动螺母构造升降机的型号表示方法：

Illustration of type with traveling nut



活动螺母构造（UR，DR）

一般情况下，升降机必须具有因丝杆轴的升降而产生的行程和丝杆罩所需的空间，若想在有限的空间内增长行程时，使用此活动螺母构造非常适应（丝杆轴旋转，活动螺母移动）。丝杆轴顶端为圆柱形，所以在长行程时，在轴端采用支撑方式，可以得到很好的传动效果。

UR：押上　DR：吊下

请根据载荷方向，安装方向来选择合适的升降机（押上或吊下）

JW with Traveling nut

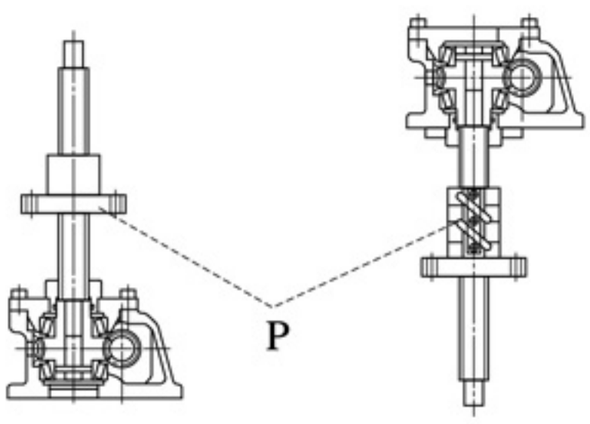
In general, Jack need enough space for screw's traveling journey and dust-hood. Using traveling nut can help jack realize longer traveling journey in limited space. The top end fittings are column, it can be a supporting point for a good transmission effect when a long traveling journey is selected.

UR: uprise DR: drop

Select UR or DR according to the load and mounting positions.

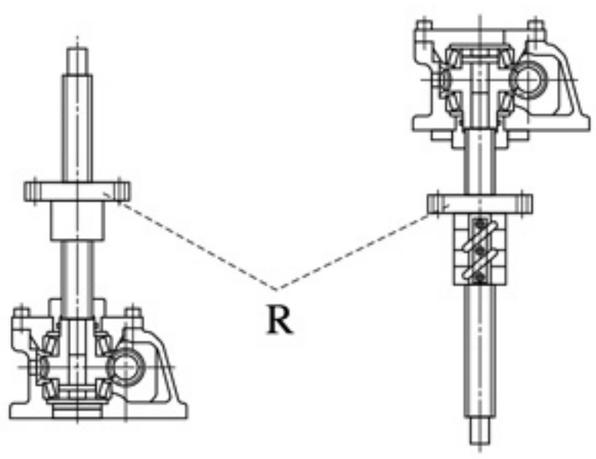
活动螺母的安装方向（P，R）

选型和型号表示方法中，还需注明螺母的放置方向（如下图）



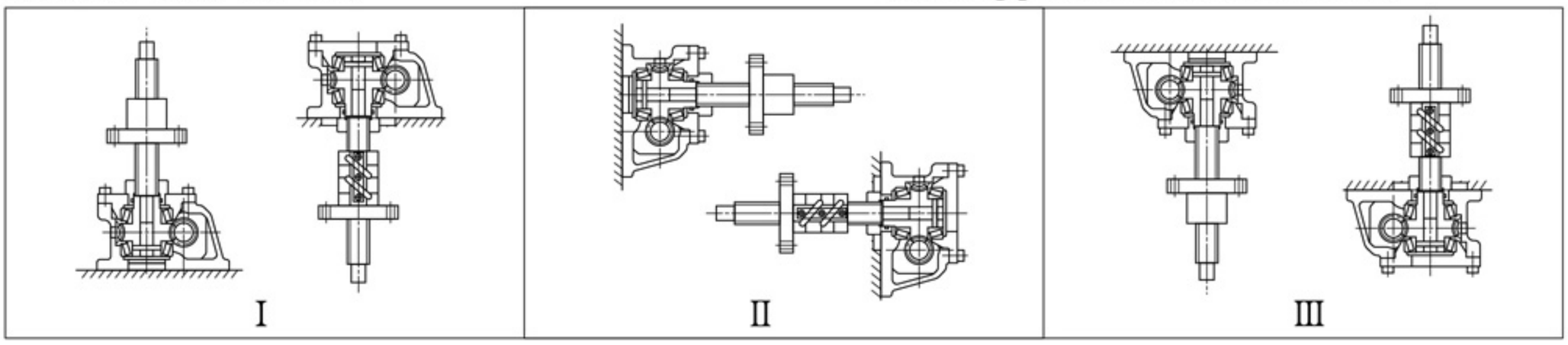
Mounting direction of traveling nut (P, R)

The mounting direction of traveling nut should be signed on drawing when selecting types.



安装方位（Ⅰ、Ⅱ、Ⅲ）

Mounting position of Jack (Ⅰ , Ⅱ , Ⅲ)



注：采用Ⅲ型安装方位时，底脚安装螺栓的性能等级须为10.9级以上。

Note: Selecting mounting position Ⅲ,the quality of bolt on housing feet reaches 10.9.



JWM (梯形丝杆类型) 基本参数一览表

JWM (Trapezoid screw) basic parameter table:

型号 Type				JWM010	JWM025	JWM050	JWM100	JWM150	JWM200	JWM300	JWM500	JWM750	JWM1000
最大载荷 Maximal load			(kN)	9.80	24.5	49.0	98.0	147	196	294	490	735	980
丝杆外径 Outer diameter of screw			(mm)	20	26	40	50	55	65	85	120	130	150
丝杆底径 Small diameter of screw		d	(mm)	14.8	19.7	30.5	38.4	43.4	49.3	67	102	112	127
丝杆螺距 Pitch of screw		L_1	(mm)	4	5	8	10	10	12	16	16	16	20
减速比 Ratio	H速度 Speed	i		5	6	6	8	8	8	$10^{2}/_{3}$	$10^{2}/_{3}$	$10^{2}/_{3}$	12
	L速度 Speed			20	24	24	24	24	24	32	32	32	36
综合效率 % Integrated efficiency	H速度 Speed	η		21	21	22	22	20	20	19	15	13	13
	L速度 Speed			12	12	14	15	14	13	11	10	8	8
容许输入最大功率 (kW) Permissible output maximal power	H速度 Speed			0.49	1.0	2.0	2.8	3.1	5.0	8.4	13.4	14.4	21.4
	L速度 Speed			0.36	0.46	0.63	1.4	2.2	3.2	4.6	5.7	7.2	9.4
空载扭矩 No-load torque		T_0	(N·m)	0.29	0.62	1.4	2.0	2.6	3.9	9.8	19.6	29.4	39.2
容许输入轴扭矩* Permissible torque of input shaft			(N·m)	19.6	49.0	153.9	292.0	292.0	292.0	735.0	1372.0	1764.0	2450.0
最大载荷时所需输入轴扭矩** Required torque of input shaft at maximal load	H速度 Speed		(N·m)	6.2	16.1	48.7	90.7	149.0	238.1	400.1	856.0	1380.5	2040.9
	L速度 Speed			2.9	7.4	20.0	45.3	72.3	124.0	244.0	453.3	761.3	1278.3
输入轴每回转一圈丝杆(活动螺母)轴向位移量 Axial jonrney of screw, when input shaft rotate a circle.	H速度 Speed		(mm)	0.80	0.83	1.33	1.25	1.25	1.50	1.50	1.50	1.50	1.67
	L速度 Speed			0.20	0.21	0.33	0.42	0.42	0.50	0.50	0.50	0.50	0.56
最大载荷时容许输入轴回转速度 Permissible rotational speed of screw shaft at maximal load	H速度 Speed		(rpm)	750	600	400	300	200	200	200	150	100	100
	L速度 Speed			1200	600	300	300	290	250	180	120	90	70
最大载荷时丝杆回转扭矩 (N·m) Rotational torque of screw at maximal load				20.1	65.1	201.5	503.6	813.2	1287.7	2531.9	5551.3	8921.8	13878.3

* 减速机输入轴的容许扭矩。（连动运转时请确认）
** 包括无负荷空转扭矩的数值。

* Permission torque of shaft of reducer.
** Include torque under the condition of no-load operating.

JWB (普通滚珠丝杆) 基本参数一览表

JWB (General ball screw) basic parameter table:

型号 Type				JWB010	JWB025	JWB050	JWB100	JWB150	JWB200	JWB300	JWB500
最大载荷 Maximal load			(kN)	9.80	24.5	49.0	98.0	147	196	294	490
丝杆外径 Outer diameter of screw			(mm)	20	25	40	50	55	65	80	100
丝杆底径 Small diameter of screw		d	(mm)	17.5	21.4	31.3	39.1	43.1	55.7	74.8	87
丝杆螺距 Pitch of screw		L_1	(mm)	5	8	10	12	12	12	16	20
减速比 Ratio	H速度 Speed	i		5	6	6	8	8	8	$10^{2}/_{3}$	$10^{2}/_{3}$
	L速度 Speed			20	24	24	24	24	24	32	32
综合效率 % Integrated efficiency	H速度 Speed	η		61	62	64	63	63	62	56	60
	L速度 Speed			34	35	39	43	43	41	34	38
容许输入最大功率 (kW) Permissible output maximal power	H速度 Speed			0.54	1.3	2.2	3.6	4.0	5.5	8.9	13.3
	L速度 Speed			0.27	0.63	1.0	1.9	2.1	2.8	4.1	6.5
空载扭矩 No-load torque		T_0	(N·m)	0.29	0.62	1.37	1.96	2.65	3.92	9.81	19.6
保持扭矩 Keeping torque	H速度 Speed		(N·m)	1.27	4.31	10.78	19.6	39.2	51.0	68.6	140.1
	L速度 Speed			0.26	0.91	2.4	5.8	11.8	15.0	19.5	41.2
容许输入轴扭矩* Permissible torque of input shaft			(N·m)	19.6	49.0	153.9	292.0	292.0	292.0	735.0	1372.0
最大载荷时所需输入轴扭矩** Required torque of input shaft at maximal load	H速度 Speed		(N·m)	2.8	9.0	21.5	39.1	77.0	104.5	169.6	317.5
	L速度 Speed			1.4	4.3	9.6	20.4	39.6	54.2	98.5	177.9
输入轴每回转一圈对应丝杆(活动螺母)轴向位移量 Axial displacement of screw, when input shaft rotate a circle.	H速度 Speed		(mm)	1	1.33	1.67	1.5	1.5	1.5	1.5	1.88
	L速度 Speed			0.25	0.33	0.42	0.5	0.5	0.5	0.5	0.63
最大载荷时容许输入轴回转速度 Permissible rotational speed of screw shaft at maximal loading	H速度 Speed		(rpm)	1500	1400	1000	890	500	500	500	400
	L速度 Speed			1500	1400	1000	890	500	500	400	350
最大载荷时丝杆回转扭矩 (N·m) Rotational torque of screw at maximal load				8.7	34.7	86.7	208.2	416.3	555.1	1040.9	2081.7

* 减速机输入轴的容许扭矩。（连动运转时请确认）
**包括无负荷空转扭矩的数值。

* Permissible torque of shaft of reducer.
** Include torque under the condition of no-load operating.

JW

注意事项：

1）选择升降机时不论静载、动载、冲击载荷均不得超过其允许承受的最大载荷，根据安全系数、使用行程、校对丝杆的稳定性选择具有充分容量的升降机；

2）一定要注意丝杆轴转速与承受的载荷进行搭配，对于升降机的容许最大载荷、容许外加负载、容许丝杆轴的旋转速等项目进行校验，如果超过产品的数据将会造成升降机设备整体的重大损伤；

3）升降机在工作时其减速部表面温度应控制在－15℃～80℃的范围以内，确保活动螺母的表面温度也在上述范围以内；

4）输入轴容许转速为1500r/min，输入轴不得超过此转速；

5）JWM和JWB都不可连续运转：
单台升降机的负荷时间率（%ED）以30分为单位计算，
JWM（梯形丝杆类型）的负荷时间内不得超过20%ED，
JWB（普通滚珠丝杆）的负荷时间率不得超过30%ED，

负荷时间率%ED＝

$$\frac{\text{1动作周期的工作时间}}{\text{1动作周期的工作时间+1动作周期的停歇时间}}\times 100\%$$

6）对于在同一轴线上连接数台升降机时，请务必对输入轴强度进行校核，使每台升降机所承担的扭矩都应在其容许输入轴扭矩以内；

7）驱动源的起动扭矩应确保在使用扭矩的200%以上；

8）在零摄氏度以下工作时因受润滑油粘性变化的影响使得整机效率下降，所以必须选有充足的驱动源；

9）JWM型理论上具有自锁功能，但工作在振动冲击较大的场合时会导致自锁功能失灵，因此须外加一制动装置或选择带有制动的驱动源。
JWB型升降机本身不具有自锁功能，为了防止由于轴向载荷和丝杆的自重而产生逆转，必须外加制动装置或选择带有制动的驱动源，请确保制动据矩大于保持扭矩；

10)升降机使用的环境如下

使用场所	Working Location	室内无雨水侵入的场所	Indoor location without rainwater
周围空气	Ambient Air	灰尘为一般工厂状态	Normal
环境温度	Ambient Temperature	－15℃～40℃	
相对湿度	Relative Humidity	85%以下	Less than 85%

11)当升降机工作在多灰尘的场所中时请务必选择防尘罩伸缩套附件来保护丝杆，在室外使用时请务心考虑使用罩壳等装置，使机器不直接受到风吹雨打；

12)在升降机工作时，不得进行人为的强行停机，否则将使升降机受到严重破损；

13)在有负载的情况下，请不要将JWB型的输入轴驱动方式变为手动操作，负载有可能会造成输入轴旋转非常危险。

Note:

1) Select a Jack with sufficient capacity according to safety factor, service journey and stability. And stationary load, dynamic load and shock load must be lower than permissible maximum load.
2) Please note that rotation speed of screw must match load, permissible maximum load, permissible maximum outer load, and permissible rotation speed of screw must be verified. If these figures exceed that of products, jacks will be damaged greatly.
3) The surface temperature will be limited in -15° ～80° when jack working to ensure the temperature of traveling nuts in -15° ～80° .
4) Maximum input speed is 1500r/min.
5) JWM and JWB aren't suitable for continous operation, Jack Duty(%ED)
JWM duty(%ED) cannot exceed 20%ED,
JWB duty(%ED) cannot exceed 30%ED,

Duty %ED=

$$\frac{\text{jack operating time(lift \&lower cycle)}}{\text{Elapsed cycle time}}\times 100\%$$

6) When several Jacks are connected on the same axial line, the loaded torque with each Jack must be verified and limited within permissible input torque.
7) Starting torque must be 200% of service torque.
8) At below 0° ambient temperature, changed adhesion of lubrication will lower Jack's efficiency so that sufficient drive is necessary.
9) JWM has self-lock function, but an Extra braking device or drive source with braking device is necessary to be equipped because self-lock will be of mal-function when Jack is loaded a heavy shock.
JWB has no self-lock function, to avoid backspin of screw under axial load and its weight, a braking device or drive source with braking device is necessary to be equipped and braking torque must be larger than operating torque of Jack.

10) Jack's operating conditions

11) When working in dusty space, Jack must be equipped with elastic dust-hood on screw; in open air, shield must be equipped to prevent exposure to wind and rain.
12) When working, Jack cannot be forced to stop, or it will be damaged seriously.
13) Under load, don't change motor drive mode into manual drive, or which will cause backspin of screw and cause great danger.



选型方法：

升降机型号的确定：

计算总机的当量载荷Ws (N)

Ws=最大载荷Wmax×使用系数fl(N)

被驱动设备系数 (f1) 表：

载荷性质 Load character	使用举例 Example	被驱动设备系数 (f1) Factor for driven machine
无冲击载荷，负荷惯性小 shockless load & small inertia load	开关、阀门传送带切换装置 Switch, valve transmission belt swithing device	1.0 ~ 1.3
轻微冲击载荷，负荷惯性中等 moderate shock & moderate inertia	各种移动装置；升降用各种升降机 All kinds of moving devices,all kinds of elevators	1.3 ~ 1.5
大冲击振动载荷，负荷惯性大 heavy shock & large inertia	用台车搬运东西；保持压延滚轮的位置 Carrying something by trolley; to keep the position of idling gear	1.5 ~ 3.0

计算单台升降机的当量载荷W，

$$W=\frac{WS}{\text{连动台数}\times\text{连动系数}fd}$$

连动系数 Linkage factor(fd):

连动台数 Number of linkage jack	1	2	3	4	5~8
连动系数 Linkage factor	1	0.95	0.9	0.85	0.8

确定升降机型号：

充分考虑载重，速度，行程，效率，驱动源后暂时选定型号

根据使用行程、环境条件、输出顶端的联接方式，确定升降机的整体型号。

输入功率校核：

负载所需输入功率与许容最大输入功率相比较
如果超过请提高型号或降低丝杆轴转速再计算。

负载所需输入功率计算 Calculation of required input power under load :

所需输入轴转速 Required rotation speed of input shaft n1 (r/min)	$n_1=\frac{V}{L_1}\times i$
所需输入轴扭矩 Required torque of input shaft T1 (N・m)	$T_1=\frac{W\times L_1}{2\pi\times i\times\eta}+T_0$
所需输入功率 Required input power P1 (kW)	$P_1=\frac{T_1\times n_1}{9550}$

V:升降机丝杆轴(活动螺母)升降速度 mm/min L1:丝杆螺距 (mm)
i:减速比 W:单台升降机当量载荷 (N) π:圆周率
η:升降机的综合效率 T0:空载扭矩 (N·m)
(L1、i、η、TO参照基本参数表)

丝杆稳定性校核

当丝杆承受轴向压缩载荷时，请对其进行稳定性校验，如超过其临界载荷值请提高型号后再计算。

升降机丝杆临界稳定载荷通过以下公式计算：

$P_{CR}=fm\times\left(\frac{d^2}{La}\right)^2$	确保 ensure	$P_{CR}>W\times SF\ (SF=4)$

PCR: 临界载荷 (N)
d: 丝杆底径mm(参照基本参数表)
fm: 支撑系数
La: 作用点间距离mm
W: 单台升降机当量载荷 (N)
SF: 安全系数 (一般SF=4)

How to select type:

Determine Jack's type:

Calculate total equivalent load Ws (N):

Ws = Wmax× fl

Service factor for driven machine (f1) :

Calculate equivalent load of single Jack,

$$W=\frac{WS}{\text{Number}\times\text{Linkage factor (fd)}}$$

Temporarily determine Jack type:
Temporarily determine Jack type after taking full consideration of load, speed, journey, efficiency and drive source.

Determine JW type according to service journey, ambient conditions, connection mode of end-fittings.

Verify input power
If required input power under load exceeds permissible maximum input power, please select larger type or lower the speed of screw rotation.

V: linear speed of screw mm/min L:Pitch of screw (m)
i:ratio W:equivalent load of single jack π:pi
η:Integrated efficiency TO:No-load torque (Nm)
(L1、i、η、TO refer to basic parameter table)

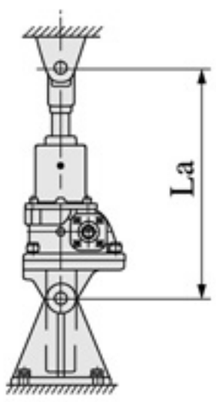
Verify the stability of screw:
Please verify the stability of screw under axial load, larger type should be used when load exceed the critical load.

The formula to calculate the critical load as follows,

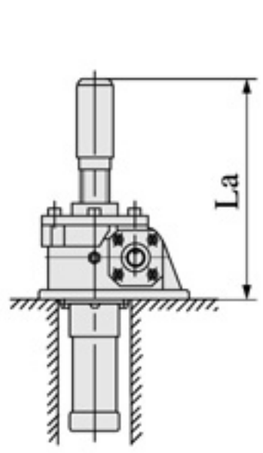
Pcr :Critical load (N)
d : small diameter of screw end (mm) (refer to basic parameter table)
fm : support factor
La : distance between load-supporting point and mounting point as drawing.
W : equivalent load of single Jack (N)
SF : safety factor (SF=4 as usual)

JW

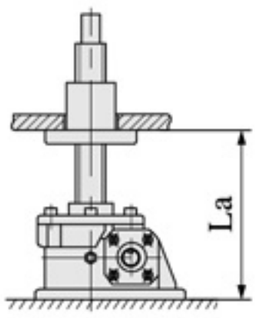
丝杆轴稳定性校验时，La（La值计算根据各型号尺寸）与fm（支撑系数）选取如下：



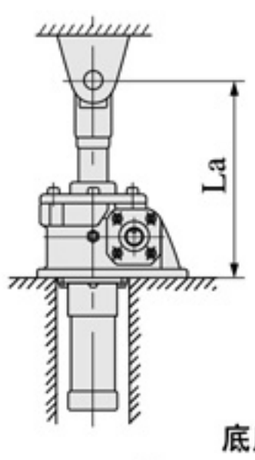
两端支撑fm=10×10⁴
support at both ends fm=10×10⁴



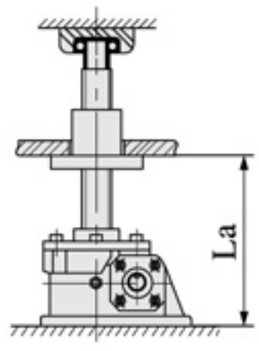
底座固定轴端自由 fm=2.5×10⁴
Foot-mounted & movable shaft end fm=2.5×10⁴

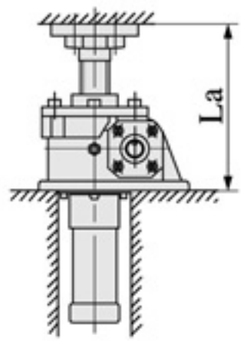


Verifying the stability of screw, the values of La and fm as follows,



底座固定轴端支撑或固定 fm=20×10⁴
Foot-mounted & shaft end supporting or fixed fm=20×10⁴





临界转速校核

如为活动螺母选型时，请务必将丝杆轴转速控制在临界转数以下，若超出临界转速，请提高型号再计算。

Verifying critical rotation speed:

Using traveling nut, the rotation speed of screw must be lower than critical speed, if no, please select larger type and calculate again.

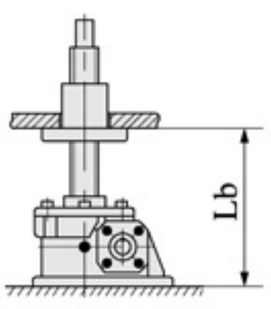
$$n_c=\frac{96\times fn\times d\times 10^6}{Lb^2} \qquad n_s=\frac{n_1}{i}$$

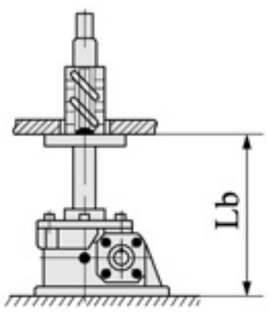
nc:临界转速 r/min
d:丝杆底径 mm(参照基本参数表)
fn:长度系数
Lb:支撑间距离 mm
ns:丝杆转速r/min
n1:输入速度r/min
i:减速比

nc: Permissible rotation speed of screw
ns: Rotational speed of screw
d: Small diameter of screw (refer to basic parameter table)
n1: Rotational speed of input shaft
fn: Length factor
i: ratio
Lb : Distance between both supporting face

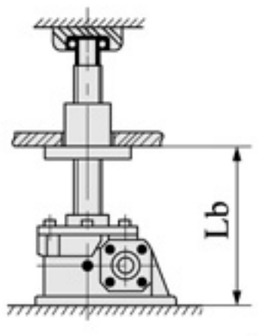
丝杆轴转速校验时，Lb（Lb值计算根据各型号尺寸）与 fn（长度系数）选取如下：

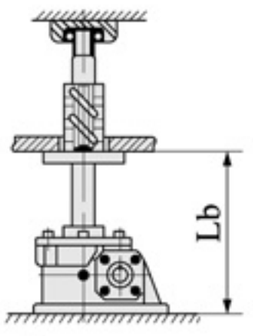
Verifying the rotation speed of screw, the values of Lb and fn as follows,





轴端自由 fn=0.36
Movable shaft end fn=0.36





轴端支撑 fn=1.56
Shaft end supporting fn=1.56

请确保：nc＞ns

Ensure: nc>ns

计算举例：JWM200UR-H1200PI在输入转速为1200r/min，轴端支撑下运转，根据外形尺寸与传动能力表查得：

d=49.3 Lb=1437

Example for calculation:

Take JWM200UR-H1200PI as example, n1=1200r/min, connecting mode of top-end : I, we can know d=49.3, Lb=1437 referring to dimension and transmission capacity table.

$$n_s=\frac{n_1}{i}=\frac{1200}{8}=150\text{r/min}$$

$$n_c=\frac{96\times fn\times d\times 10^6}{Lb^2}=\frac{96\times 1.56\times 49.3\times 10^6}{(1437)^2}=3575\text{r/min}$$

nc=3575r/min＞ns=150r/min…… ok.

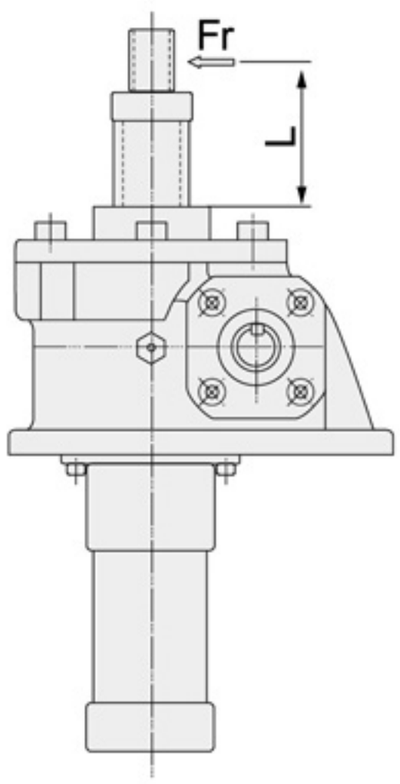
JW



当有横向载荷时，请外加导向器。

When there is radial load, please add guiding device.

JWM 许用横向载荷Permitted radial load Fr(N)：



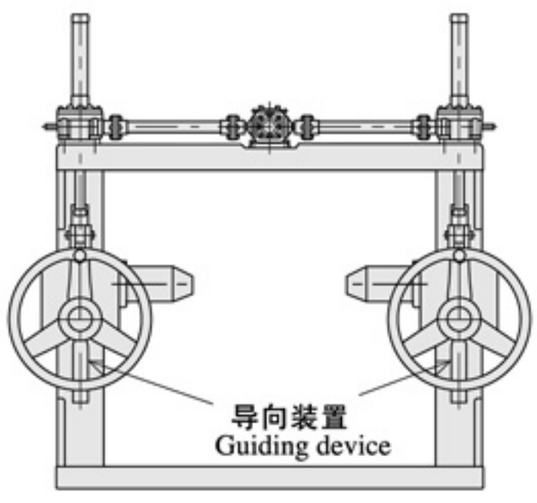
Fr(N) / Type / L (mm)	010	025	050	100	150	200	300	500	750	1000
100	318	570	2500	4010	4610	8210	38200	85300	73500	186200
200	159	290	1250	2010	2300	4110	23000	50400	56800	145000
300	106	190	830	1340	1540	2740	15300	33600	46100	104700
400	79	140	620	1000	1150	2050	11400	25200	39300	78500
500	64	110	500	800	920	1640	9100	20200	33900	62800
600	53	100	420	670	770	1370	7600	16800	29900	52300
700	51	90	360	570	660	1170	6500	14400	26700	44800
800	48	90	310	500	580	1030	5700	12600	24100	39200
900	45	90	280	450	510	910	5000	11200	22000	34800
1000	42	90	250	400	460	820	4500	10100	20200	31300

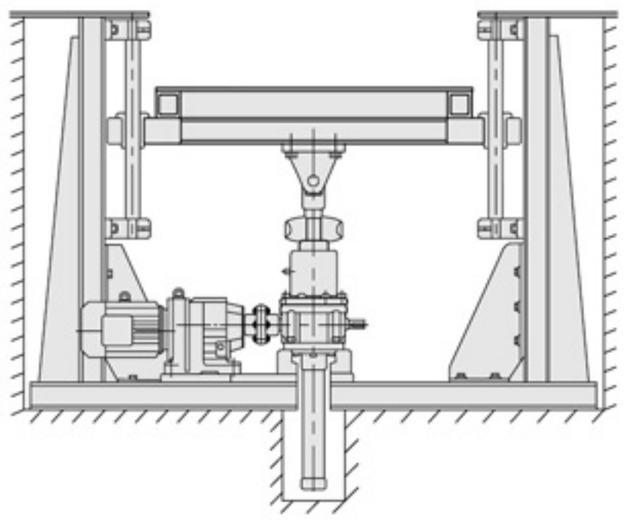
JW

JWB或JWM超过许用横向载荷时，请外加导向装置，举例如下：

When operating radial load exceeds critical radial load, please add guiding device, for example,

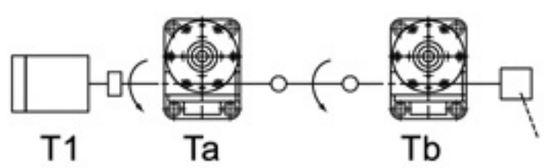






当升降机传动配置为串联时(即同一轴线配置了两个或以上数量的升降机)如图须对各升降机输入轴端进行强度校核；

Please verify input torque of each Jack when several Jack are connected on the same input axial line as the following,



Ta：为升降机a的所需输入扭矩

Tb：为升降机b的所需输入扭矩

电机必需的扭矩T1=Ta+Tb<升降机a的容许输入轴扭矩

Ta: Required torque of input shaft of jack **a**.

Tb: Required torque of input shaft of jack **b**.

Required torque of motor $T_1=T_a+T_b <$ Promitted input torque of jack **a**.

升降机选择举例：

例题：4台连动押上用，结构如下图所示的4台连动模式，工厂内保持常温，有少许灰尘，有横向负荷在升降机侧面设置了导向器，安装状态采用底座固定，轴端采用一固定一支撑，电源为三相380V/50Hz，使用频率为2次／小时×8小时

1.最大轴向载荷：88.2 KN/4台

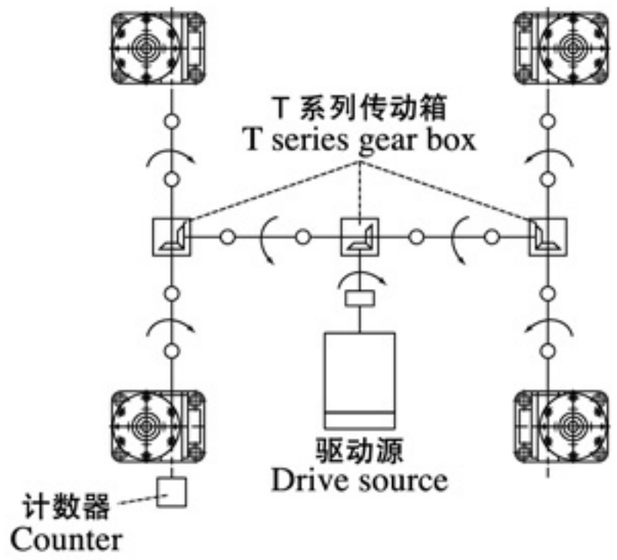
2.升降速度：10mm/s（600mm/min）

3.使用行程：260mm

Jack selection example:

Example: Four Jacks, linked as the following drawing, normal temperature, thin dust,radial load, with guiding devices on one side, foot-mounted, fixed the screw top-end, 380v/50Hz, service frequency: 2 times/hour, service time : 8 hours.

1. Maximum axial load ; 88.2KN/4 Jacks
2. Linear speed : 10mm/s (600mm/min)
3. Service journey : 260mm



升降机型号确定

1). 计算总机当量载荷Ws（取被驱动设备系数为1.3）

$Ws=Wmax\cdot f1=88200\times1.3=114660N$

2). 计算单台当量载荷W

$$W=\frac{114660}{4\times0.85}=33724N$$

3). 暂定型号：

考虑速度、效率、驱动源、载重后暂定选择JWB050USH（参照基本参数表）

4). 行程校核：

使用行程为260mm，充分考虑余量后选定行程为300mm（参照JWB050US尺寸表）

5). 输入功率校核：

(1)所需输入功率计算：

Determine Jack type,

1) Calculate total equivalent load Ws

(Factor for driven machine is 1.3)

$Ws=Wmax\cdot f1=88200\times1.3=114660N$

2) Calculate equivalent load of single jack:

3) Temporarily determine type,

Temporarily determine JWB050USH according to speed, efficiency, drive and Load (refer to basic parameter table)

4) Verify journey:

Service journey is 260mm, determine journey should be 300 after considering surplus.

(Please refer to dimension sheet of JWB050US).

5) Check input power:

(1) Calculate required input power:

$$① n_1=\frac{V}{L_1}\times i=\frac{0.60}{0.010}\times6=360r/min$$

$$② T_1=\frac{W\times L_1}{2\pi\times i\times\eta}+T_0=\frac{33724\times0.010}{2\times3.14\times6\times0.64}+1.37=15.4Nm$$

$$③ P_1=\frac{T_1\times n_1}{9550}=\frac{15.4\times360}{9550}=0.58kW$$

(2)参照基本参数表，$Pmax=2.2kW>P_1$……OK

(2) Refer to basic parameter table, $Pmax=2.2kW>P_1$ ……OK

6). 丝杆稳定性校核：

因为施加压缩载荷，根据传动能力表及外形尺寸图得出：

6) Verify the stability of screw

For under axial load, refer to transmission table and dimension for the following figures,

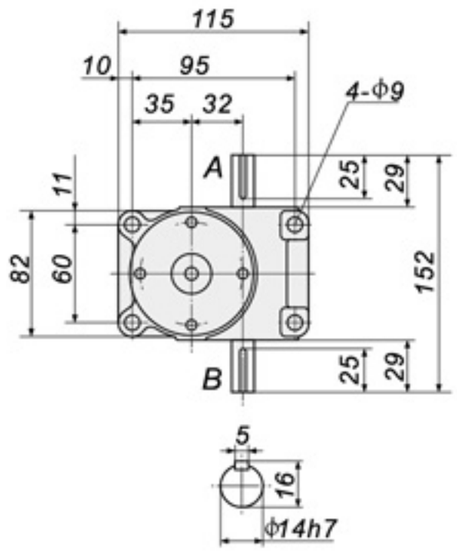
$d=31.3 \quad La=604+33=637 \quad fm=20\times10^4 \quad SF=4$

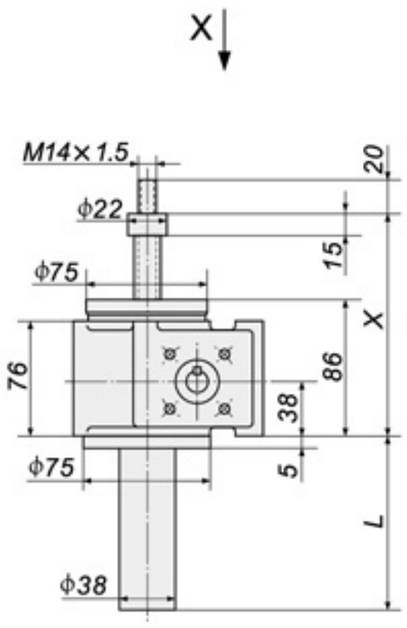
$$P_{CR}=fm\times\left(\frac{d^2}{La}\right)^2=20\times10^4\times\left(\frac{31.3^2}{637}\right)^2=473073N$$

$$P_F=\frac{P_{CR}}{SF}=\frac{473073}{4}=118268>W=33724 \quad \text{……OK}$$

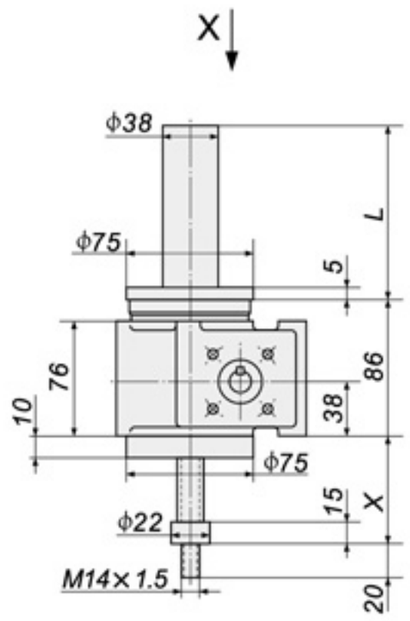
JWM010

X向





JWM010US

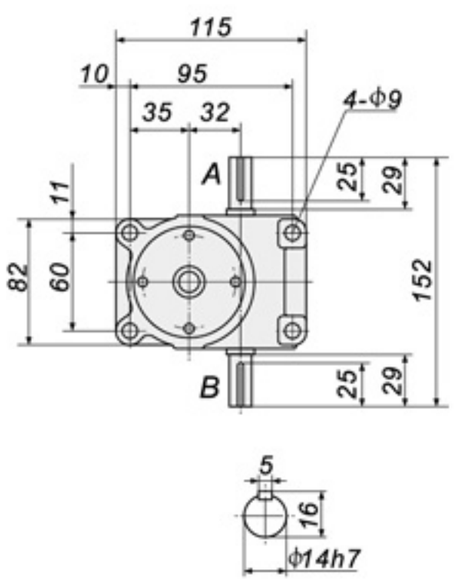


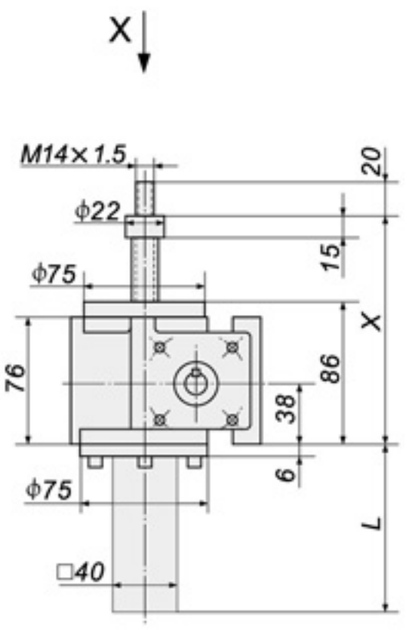
JWM010DS

行程 (mm) Journey	US					
	X		X(1)		L	m (kg)
	MIN	MAX	MIN	MAX		
100	101	201	161	261	194	5.5
200	101	301	161	361	294	5.7
300	101	401	201	501	434	6.1
400	101	501	201	601	534	6.3
500	101	601	236	736	669	6.6
600	101	701	236	836	769	6.9
800	101	901	271	1071	1004	7.5

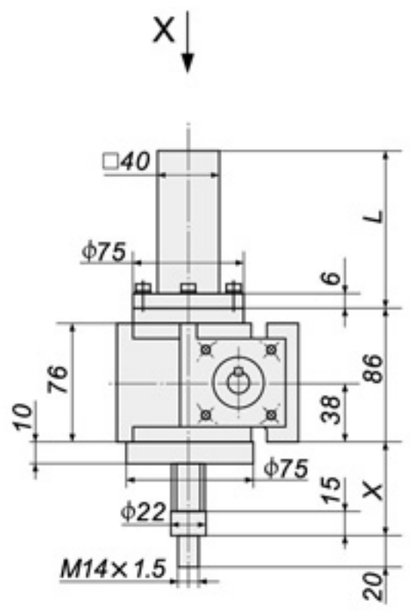
行程 (mm) Journey	DS					
	X		X(1)		L	m (kg)
	MIN	MAX	MIN	MAX		
100	25	125	75	175	194	5.5
200	25	225	75	275	294	5.7
300	25	325	115	415	434	6.1
400	25	425	115	515	534	6.3
500	25	525	150	650	669	6.6
600	25	625	150	750	769	6.9
800	25	825	185	985	1004	7.5

X向





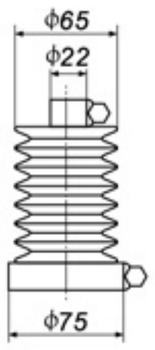
JWM010UM



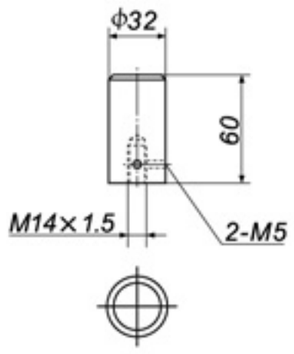
JWM010DM

行程 (mm) Journey	UM					
	X		X(1)		L	m (kg)
	MIN	MAX	MIN	MAX		
100	101	201	161	261	194	6.6
200	101	301	161	361	294	7.2
300	101	401	201	501	434	8.1
400	101	501	201	601	534	8.8
500	101	601	236	736	669	9.6
600	101	701	236	836	769	11
800	101	901	271	1071	1004	12

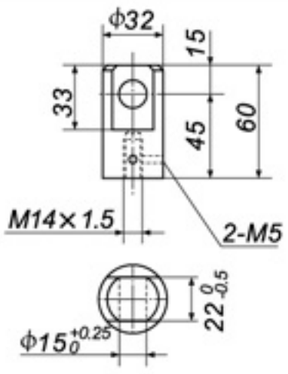
行程 (mm) Journey	DM					
	X		X(1)		L	m (kg)
	MIN	MAX	MIN	MAX		
100	25	125	75	175	194	6.6
200	25	225	75	275	294	7.2
300	25	325	115	415	434	8.1
400	25	425	115	515	534	8.8
500	25	525	150	650	669	9.6
600	25	625	150	750	769	11
800	25	825	185	985	1004	12



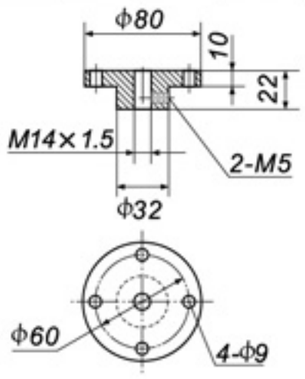
J



B

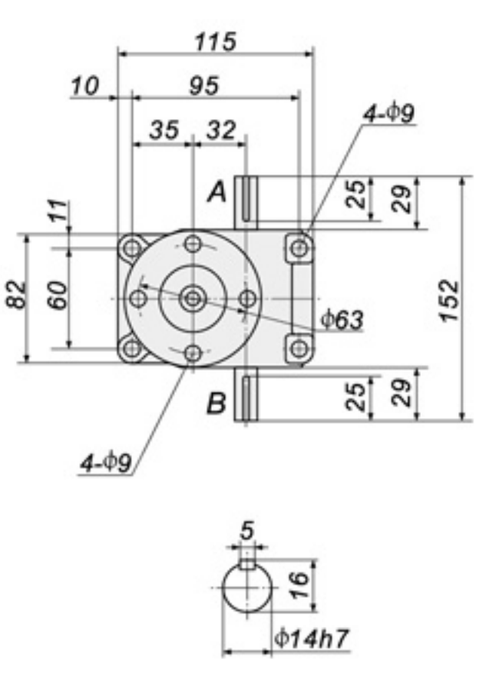


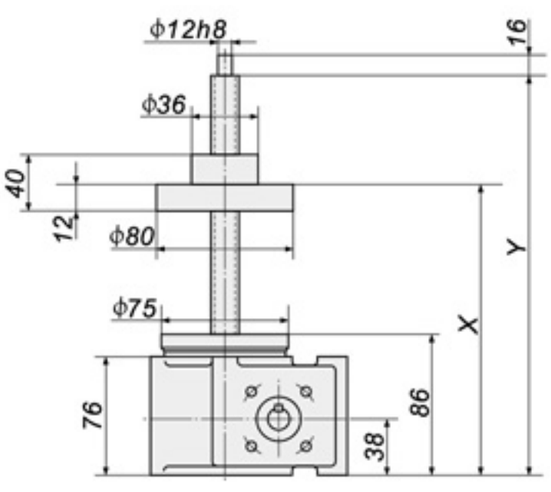
I



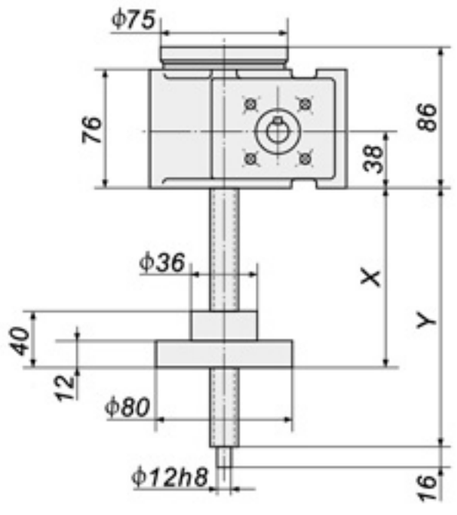
M

X向





JWM010UR



JWM010DR

行程 (mm) Journey	UR			
	X		Y	m (kg)
	MIN	MAX		
100	108	208	246	5.9
200	108	308	346	6.1
300	108	408	446	6.2
400	108	508	546	6.4
500	108	608	646	6.6
600	108	708	746	6.8
800	108	908	946	7.2

行程 (mm) Journey	DR			
	X		Y	m (kg)
	MIN	MAX		
100	50	150	160	5.9
200	50	250	260	6.1
300	50	350	360	6.2
400	50	450	460	6.4
500	50	550	560	6.6
600	50	650	660	6.8
800	50	850	860	7.2

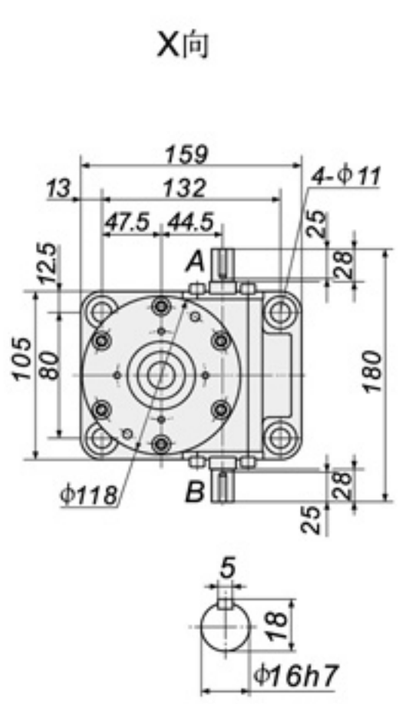
注：X(1)为加防尘罩时尺寸。

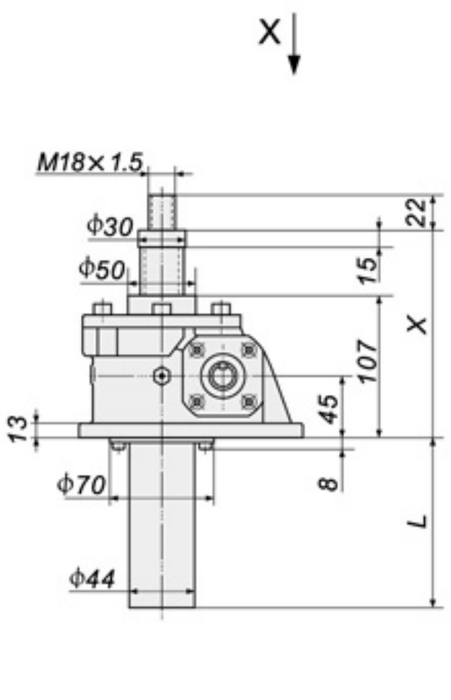
Note: "X(1)" is the dimension of jack with dust hood.

JW

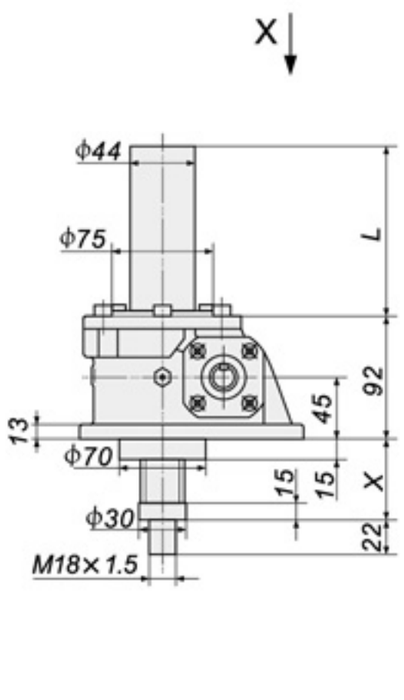
外形尺寸图表
Outline dimension sheet of jack

JWM025





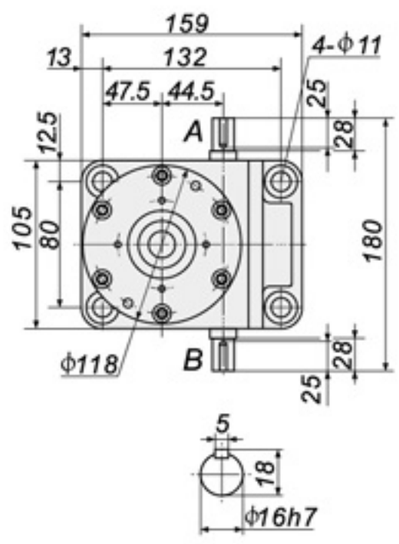
JWM025US

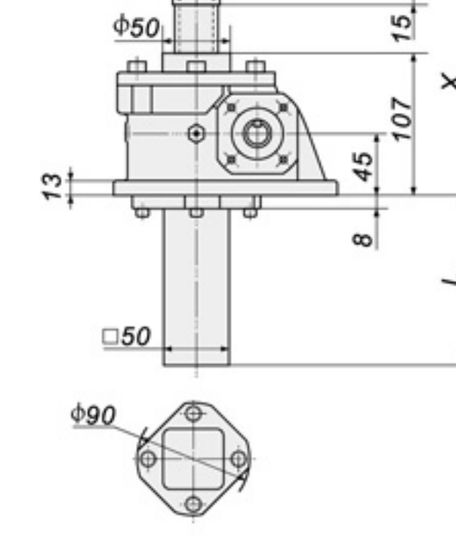


JWM025DS

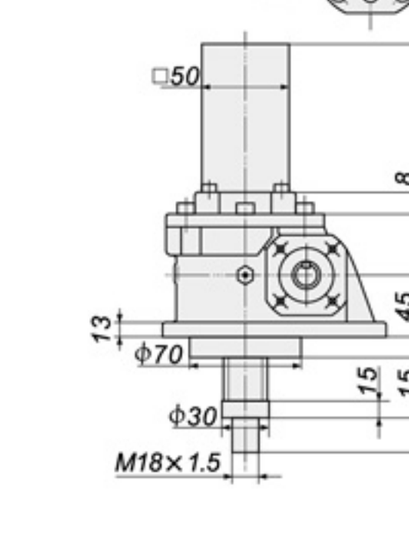
行程(mm) Journey	U S				L	m (kg)
	X		X(1)			
	MIN	MAX	MIN	MAX		
100	132	232	147	247	149	7.7
200	132	332	147	347	249	8.1
300	132	432	167	467	369	8.5
400	132	532	167	567	469	8.9
500	132	632	187	687	589	9.4
600	132	732	187	787	689	9.8
800	132	932	207	1007	909	11
1000	132	1132	227	1227	1129	12

行程(mm) Journey	D S				L	m (kg)
	X		X(1)			
	MIN	MAX	MIN	MAX		
100	42	142	57	157	149	7.7
200	42	242	57	257	249	8.1
300	42	342	77	377	369	8.5
400	42	442	77	477	469	8.9
500	42	542	97	597	589	9.4
600	42	642	97	697	689	9.8
800	42	842	117	917	909	11
1000	42	1042	137	1137	1129	12





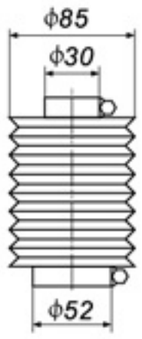
JWM025UM



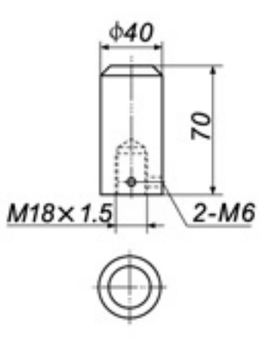
JWM025DM

行程(mm) Journey	U M				L	m (kg)
	X		X(1)			
	MIN	MAX	MIN	MAX		
100	132	232	147	247	175	10
200	132	332	147	347	275	12
300	132	432	167	467	395	13
400	132	532	167	567	495	14
500	132	632	187	687	615	15
600	132	732	187	787	715	17
800	132	932	207	1007	935	19
1000	132	1132	227	1227	1155	21

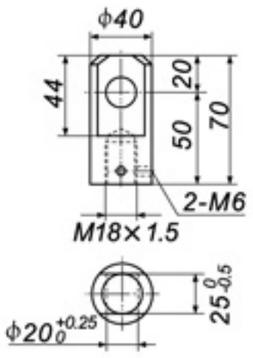
行程(mm) Journey	D M				L	m (kg)
	X		X(1)			
	MIN	MAX	MIN	MAX		
100	42	142	57	157	175	10
200	42	242	57	257	275	12
300	42	342	77	377	395	13
400	42	442	77	477	495	14
500	42	542	97	597	615	15
600	42	642	97	697	715	17
800	42	842	117	917	935	19
1000	42	1042	137	1137	1155	21



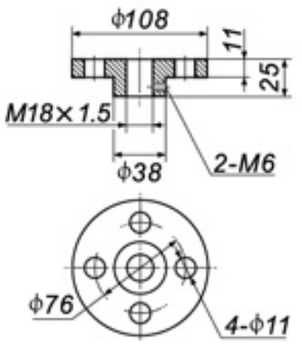
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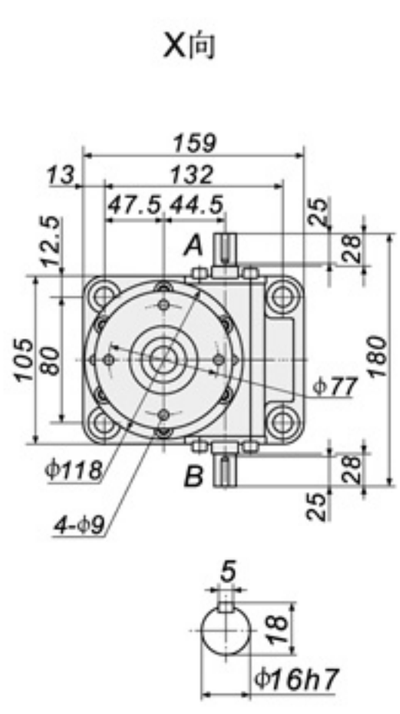
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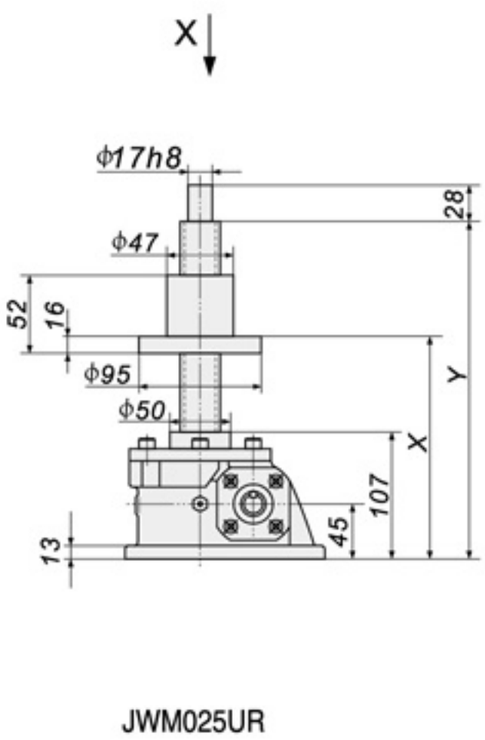


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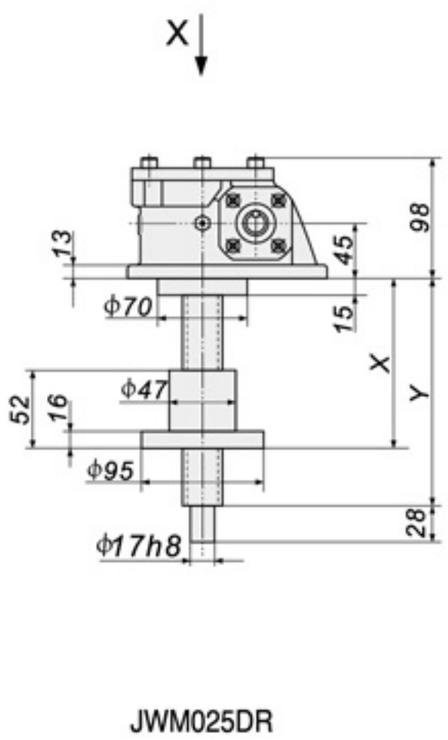


M





JWM025UR



JWM025DR

行程(mm) Journey	U R			
	X		Y	m (kg)
	MIN	MAX		
100	133	233	279	9.2
200	133	333	379	9.5
300	133	433	479	9.9
400	133	533	579	11
500	133	633	679	11
600	133	733	779	11
800	133	933	979	12
1000	133	1133	1179	13

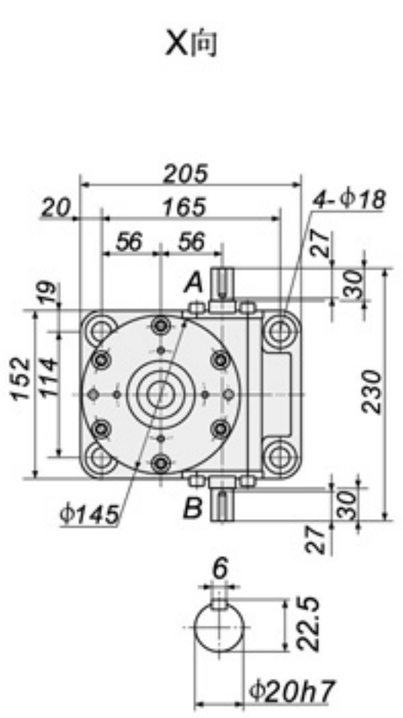
行程(mm) Journey	D R			
	X		Y	m (kg)
	MIN	MAX		
100	79	179	189	9.2
200	79	279	289	9.5
300	79	379	389	9.9
400	79	479	489	11
500	79	579	589	11
600	79	679	689	11
800	79	879	889	12
1000	79	1079	1089	13

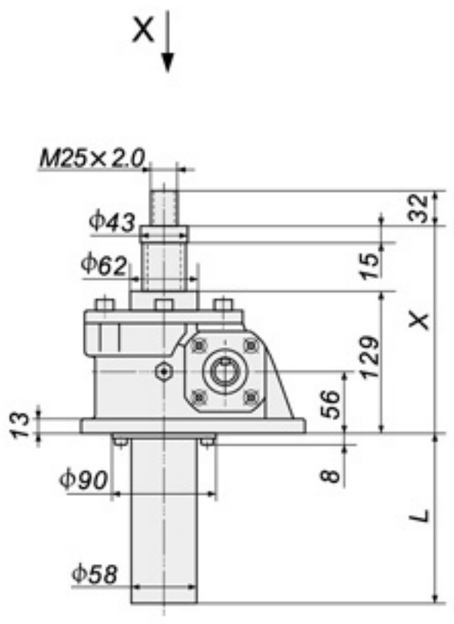
注：X(1)为加防尘罩时尺寸。

Note: "X(1)" is the dimension of jack with dust hood.

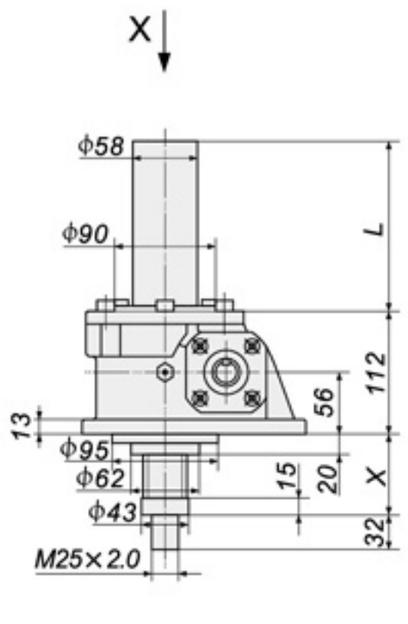


JWM050





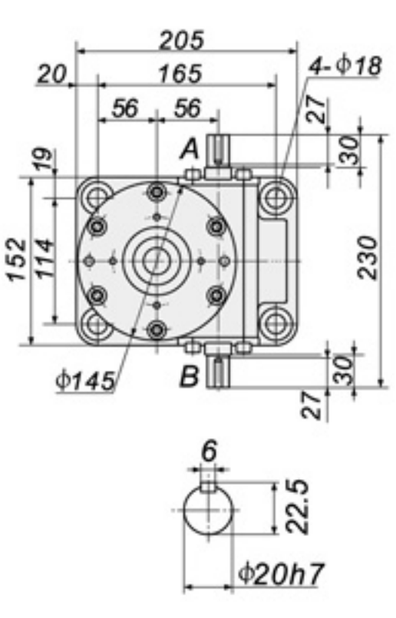
JWM050US

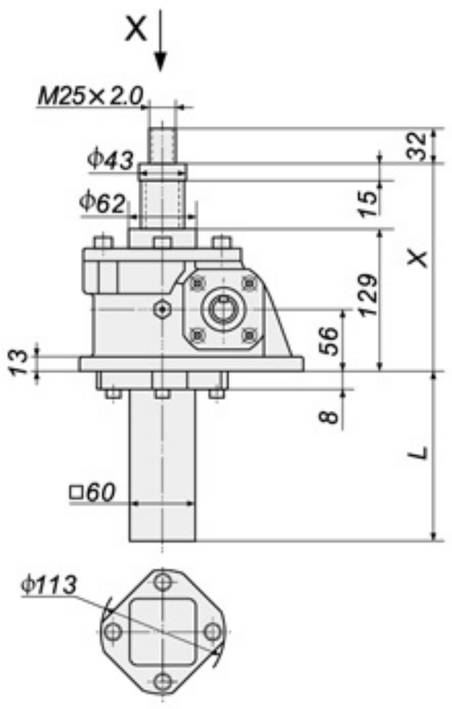


JWM050DS

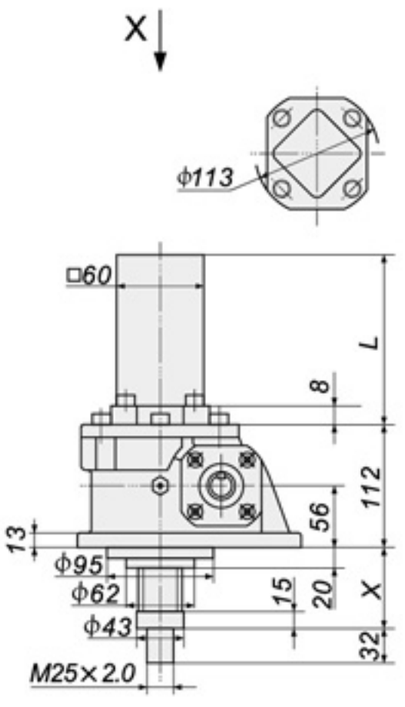
行程(mm) Journey	U S				L	m (kg)
	X		X(1)			
	MIN	MAX	MIN	MAX		
100	154	254	169	269	147	18
200	154	354	169	369	247	19
300	154	454	189	489	367	20
400	154	554	189	589	467	21
500	154	654	209	709	587	22
600	154	754	209	809	687	23
800	154	954	229	1029	907	25
1000	154	1154	249	1249	1127	27

行程(mm) Journey	D S				L	m (kg)
	X		X(1)			
	MIN	MAX	MIN	MAX		
100	42	142	57	157	147	18
200	42	242	57	257	247	19
300	42	342	77	377	367	20
400	42	442	77	477	467	21
500	42	542	97	597	587	22
600	42	642	97	697	687	23
800	42	842	117	917	907	25
1000	42	1042	137	1137	1127	27





JWM050UM



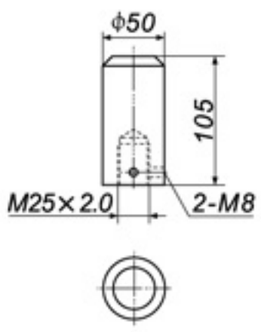
JWM050DM

行程(mm) Journey	U M				L	m (kg)
	X		X(1)			
	MIN	MAX	MIN	MAX		
100	154	254	169	269	175	22
200	154	354	169	369	275	24
300	154	454	189	489	395	26
400	154	554	189	589	495	28
500	154	654	209	709	615	30
600	154	754	209	809	715	32
800	154	954	229	1029	935	36
1000	154	1154	249	1249	1155	40

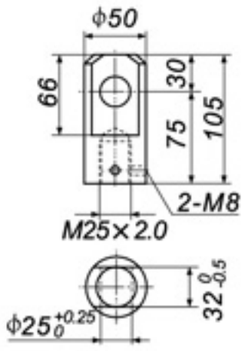
行程(mm) Journey	D M				L	m (kg)
	X		X(1)			
	MIN	MAX	MIN	MAX		
100	42	142	57	157	175	22
200	42	242	57	257	275	24
300	42	342	77	377	395	26
400	42	442	77	477	495	28
500	42	542	97	597	615	30
600	42	642	97	697	715	32
800	42	842	117	917	935	36
1000	42	1042	137	1137	1155	40



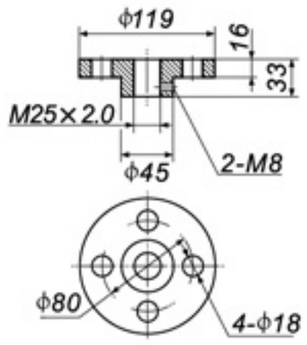
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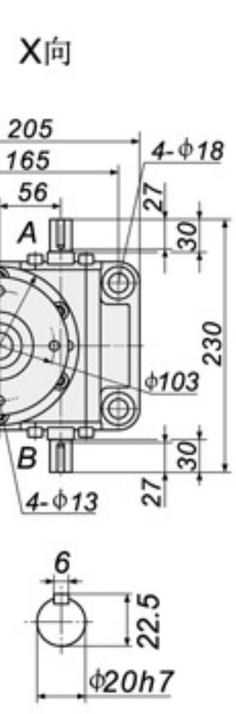
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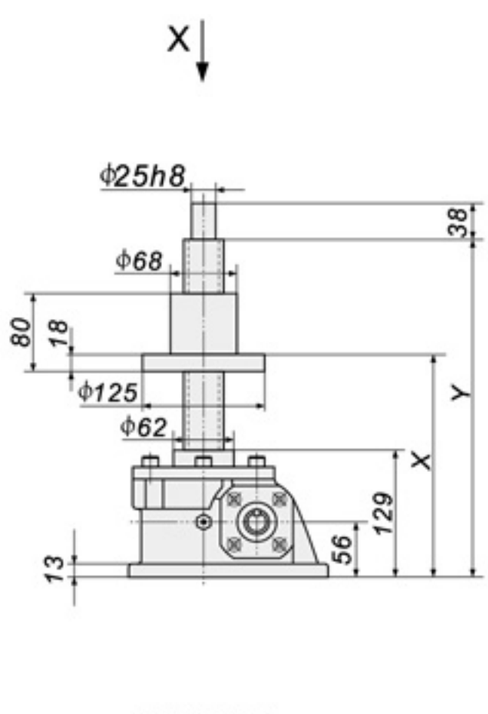


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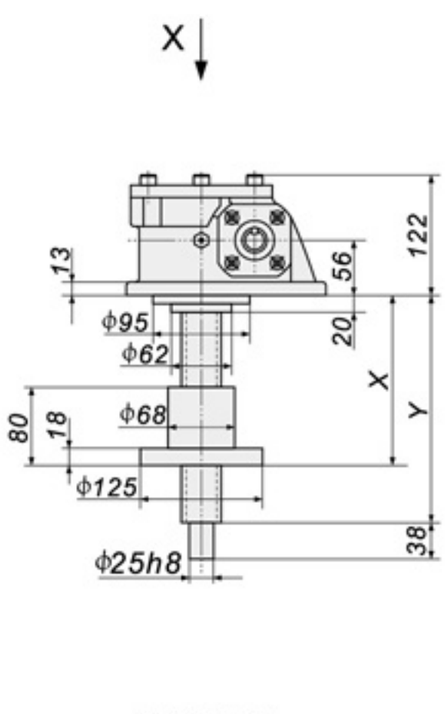


M





JWM050UR



JWM050DR

行程(mm) Journey	U R			
	X		Y	m (kg)
	MIN	MAX		
100	157	257	330	22
200	157	357	430	22
300	157	457	530	23
400	157	557	630	24
500	157	657	730	25
600	157	757	830	26
800	157	957	1030	27
1000	157	1157	1230	29

行程(mm) Journey	D R			
	X		Y	m (kg)
	MIN	MAX		
100	107	207	218	22
200	107	307	318	22
300	107	407	418	23
400	107	507	518	24
500	107	607	618	25
600	107	707	718	26
800	107	907	918	27
1000	107	1107	1118	29

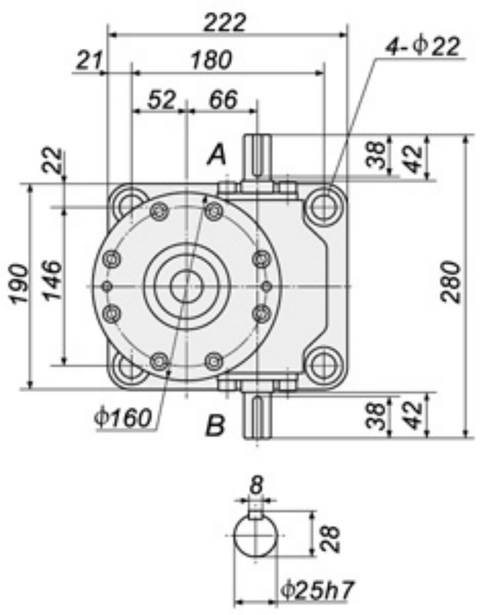
注：X(1)为加防尘罩时尺寸。

Note: "X(1)" is the dimension of jack with dust hood.

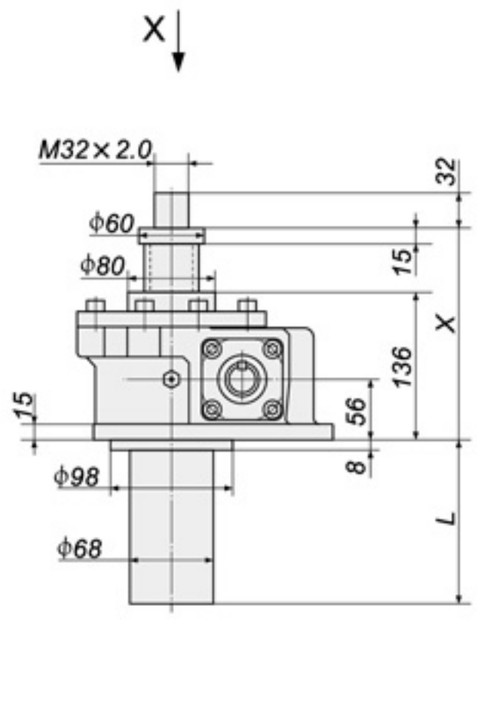
JW

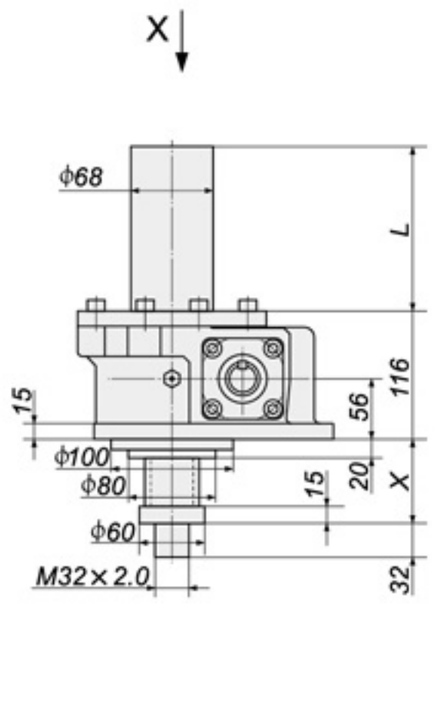
外形尺寸图表
Outline dimension sheet of jack

JWM100



JWM100US

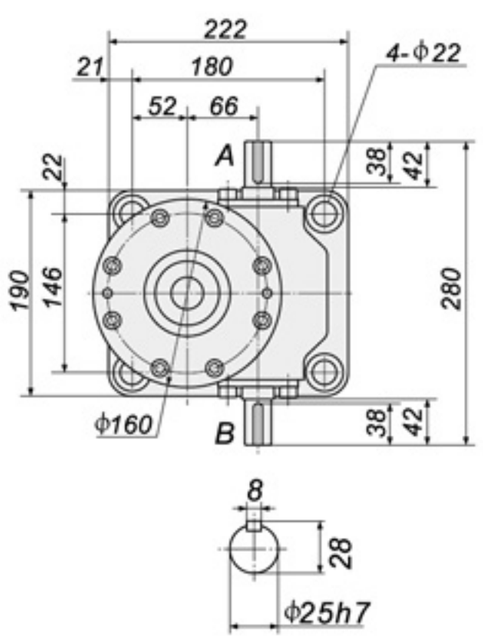




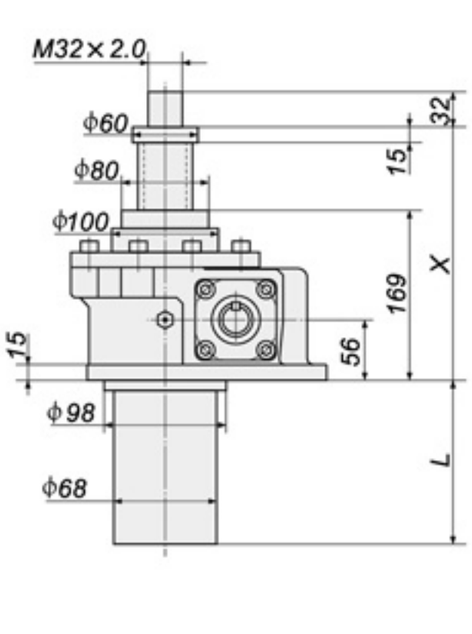
JWM100DS

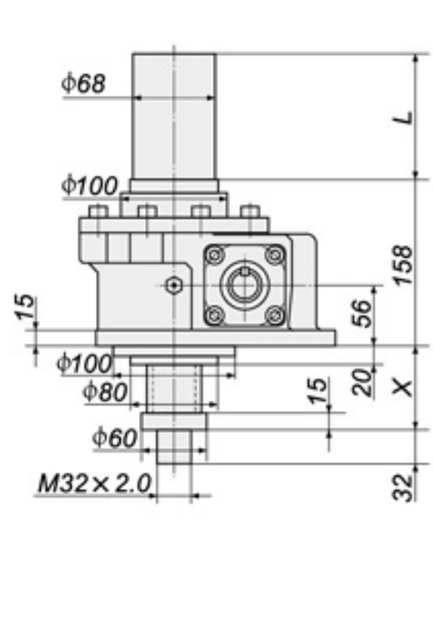
行程(mm) Journey	U S X MIN	X MAX	X(1) MIN	X(1) MAX	L	m (kg)
100	161	261	171	271	151	27
200	161	361	171	371	252	29
300	161	461	186	486	366	32
400	161	561	186	586	466	34
500	161	661	211	711	591	37
600	161	761	211	811	691	40
800	161	961	226	1026	906	45
1000	161	1161	236	1236	1116	50
1200	161	1361	261	1461	1341	56

行程(mm) Journey	D S X MIN	X MAX	X(1) MIN	X(1) MAX	L	m (kg)
100	42	142	52	152	151	27
200	42	242	52	252	252	29
300	42	342	67	367	366	32
400	42	442	67	467	466	34
500	42	542	92	592	591	37
600	42	642	92	692	691	40
800	42	842	107	907	906	45
1000	42	1042	117	1117	1116	50
1200	42	1242	142	1342	1341	56



JWM100UM

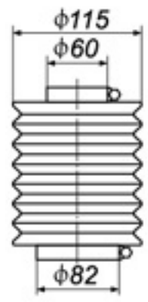




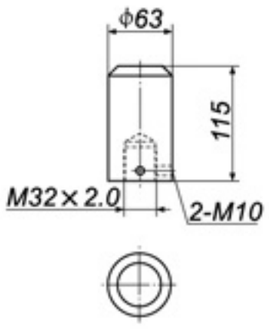
JWM100DM

行程(mm) Journey	U M X MIN	X MAX	X(1) MIN	X(1) MAX	L	m (kg)
100	194	294	204	304	151	30
200	194	394	204	404	252	32
300	194	494	219	519	366	35
400	194	594	219	619	466	37
500	194	694	244	744	591	40
600	194	794	244	844	691	43
800	194	994	259	1059	906	48
1000	194	1194	269	1269	1116	53
1200	194	1394	294	1494	1341	58

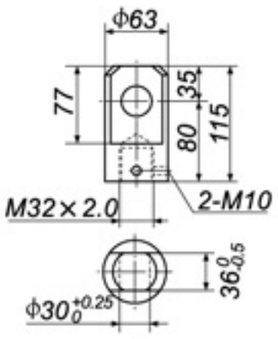
行程(mm) Journey	D M X MIN	X MAX	X(1) MIN	X(1) MAX	L	m (kg)
100	42	142	52	152	151	30
200	42	242	52	252	252	32
300	42	342	67	367	366	35
400	42	442	67	467	466	37
500	42	542	92	592	591	40
600	42	642	92	692	691	43
800	42	842	107	907	906	48
1000	42	1042	117	1117	1116	53
1200	42	1242	142	1342	1341	58



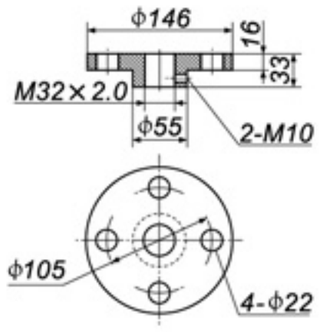
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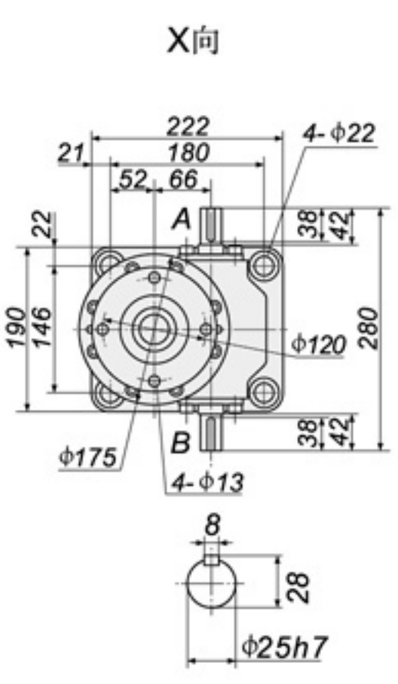
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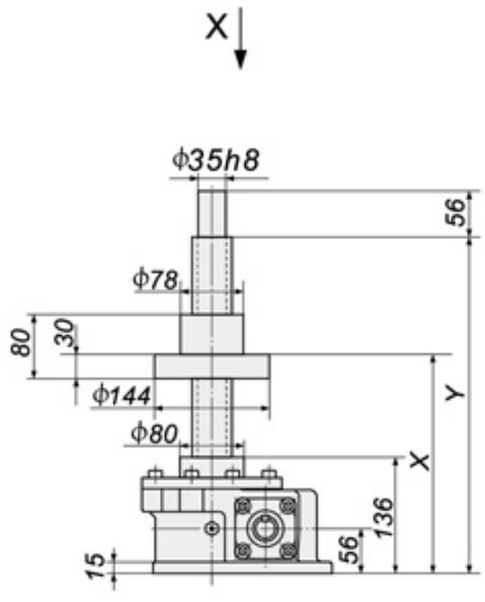
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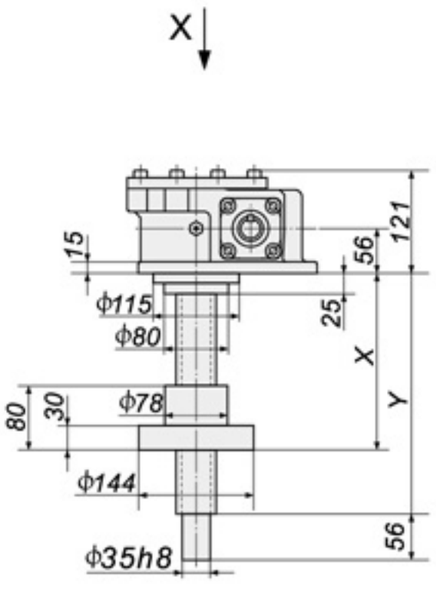


M



JWM100UR





JWM100DR

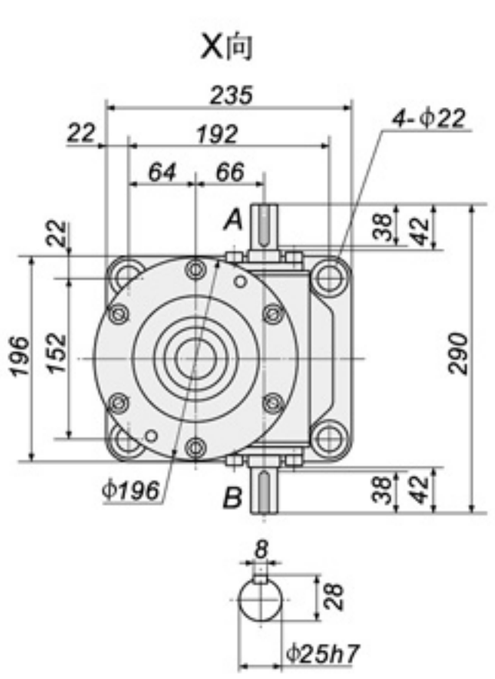
行程(mm) Journey	U R X MIN	X MAX	Y	m (kg)
100	184	284	344	32
200	184	384	444	33
300	184	484	544	34
400	184	584	644	36
500	184	684	744	37
600	184	784	844	38
800	184	984	1044	41
1000	184	1184	1244	43
1200	184	1384	1444	45

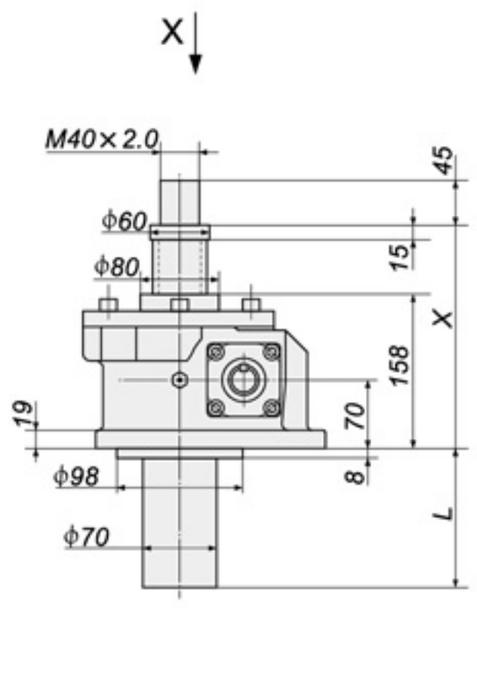
行程(mm) Journey	D R X MIN	X MAX	Y	m (kg)
100	115	215	225	32
200	115	315	325	33
300	115	415	425	34
400	115	515	525	36
500	115	615	625	37
600	115	715	725	38
800	115	915	925	41
1000	115	1115	1125	43
1200	115	1315	1325	45

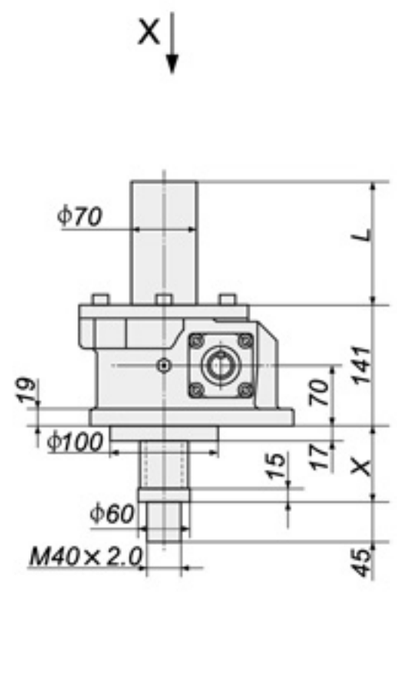
注：X(1)为加防尘罩时尺寸。

Note: "X(1)" is the dimension of jack with dust hood.

JWM150



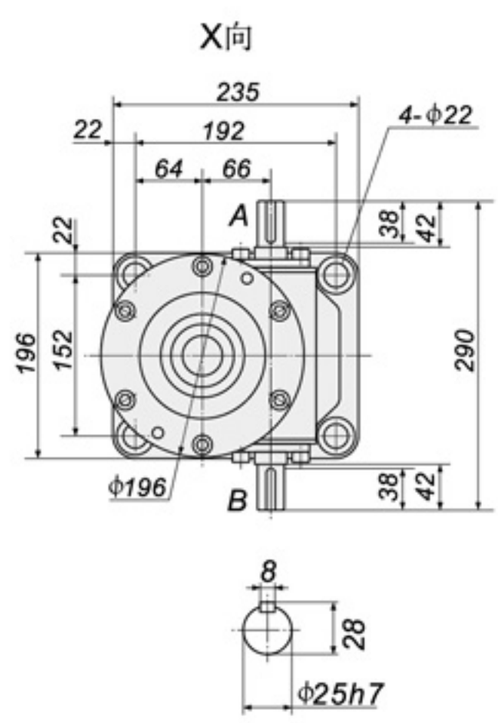


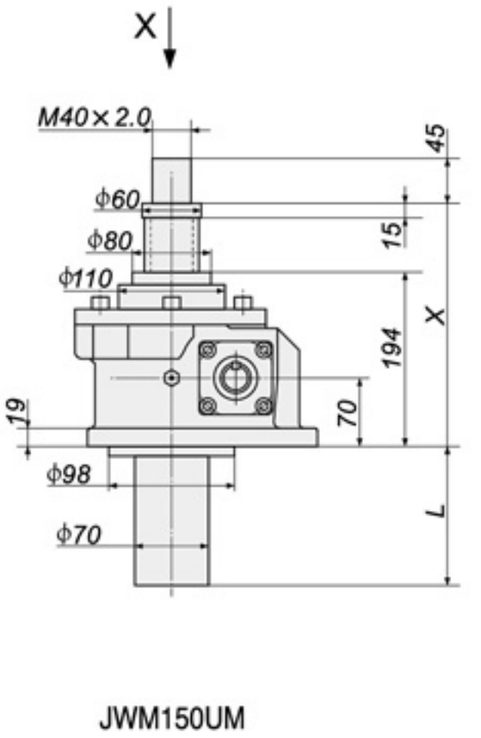


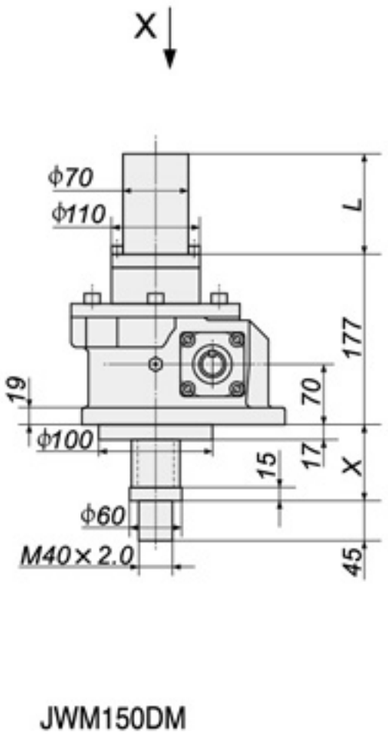
JWM150US　　JWM150DS

行程(mm) Journey	U S X MIN	U S X MAX	U S X(1) MIN	U S X(1) MAX	U S L	U S m (kg)
100	183	283	193	293	151	33
200	183	383	193	393	252	35
300	183	483	208	508	366	38
400	183	583	208	608	466	41
500	183	683	233	733	591	45
600	183	783	233	833	691	47
800	183	983	248	1048	906	53
1000	183	1183	258	1258	1116	59
1200	183	1383	283	1483	1341	65

行程(mm) Journey	D S X MIN	D S X MAX	D S X(1) MIN	D S X(1) MAX	D S L	D S m (kg)
100	42	142	52	152	151	33
200	42	242	52	252	252	35
300	42	342	67	367	366	38
400	42	442	67	467	466	41
500	42	542	92	592	591	45
600	42	642	92	692	691	47
800	42	842	107	907	906	53
1000	42	1042	117	1117	1116	59
1200	42	1242	142	1342	1341	65



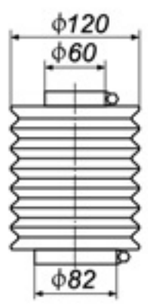




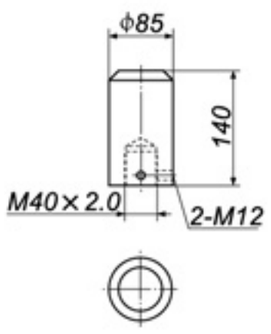
JWM150UM　　JWM150DM

行程(mm) Journey	U M X MIN	U M X MAX	U M X(1) MIN	U M X(1) MAX	U M L	U M m (kg)
100	219	319	229	329	151	37
200	219	419	229	429	252	40
300	219	519	244	544	366	43
400	219	619	244	644	466	46
500	219	719	269	769	591	49
600	219	819	269	869	691	52
800	219	1019	284	1084	906	58
1000	219	1219	294	1294	1116	64
1200	219	1419	319	1519	1341	69

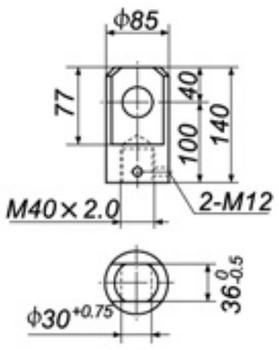
行程(mm) Journey	D M X MIN	D M X MAX	D M X(1) MIN	D M X(1) MAX	D M L	D M m (kg)
100	42	142	52	152	151	37
200	42	242	52	252	252	40
300	42	342	67	367	366	43
400	42	442	67	467	466	46
500	42	542	92	592	591	49
600	42	642	92	692	691	52
800	42	842	107	907	906	58
1000	42	1042	117	1117	1116	64
1200	42	1242	142	1342	1341	69



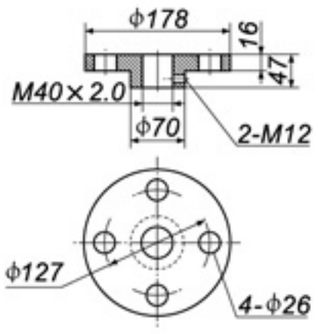
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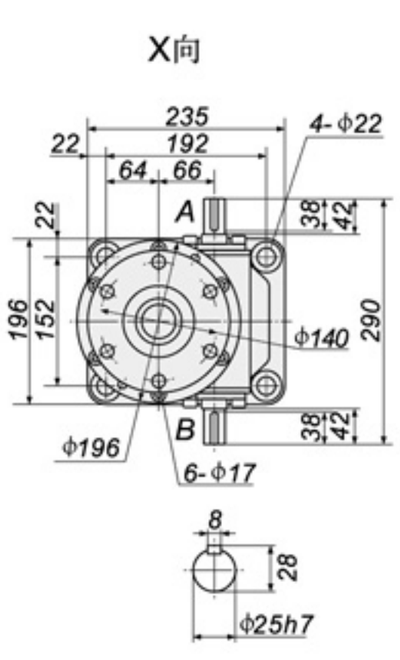
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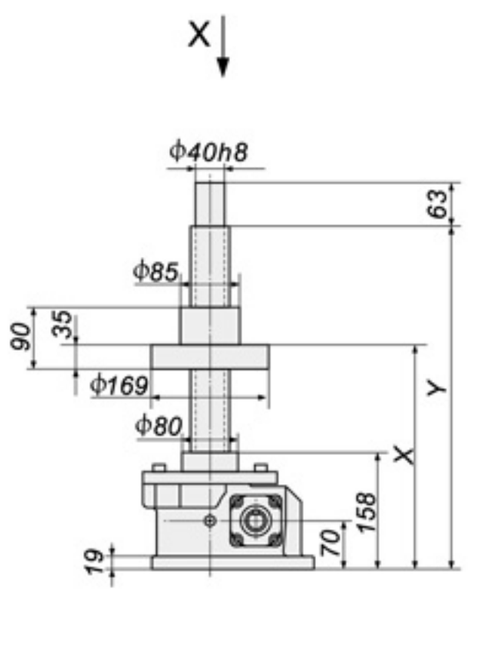


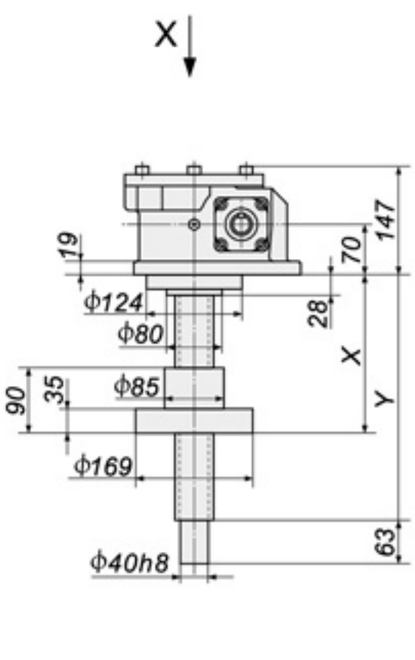
I



M







JWM150UR　　JWM150DR

行程(mm) Journey	U R X MIN	U R X MAX	U R Y	U R m (kg)
100	214	314	379	40
200	214	414	479	42
300	214	514	579	43
400	214	614	679	45
500	214	714	779	46
600	214	814	879	48
800	214	1014	1079	51
1000	214	1214	1279	54
1200	214	1414	1479	57

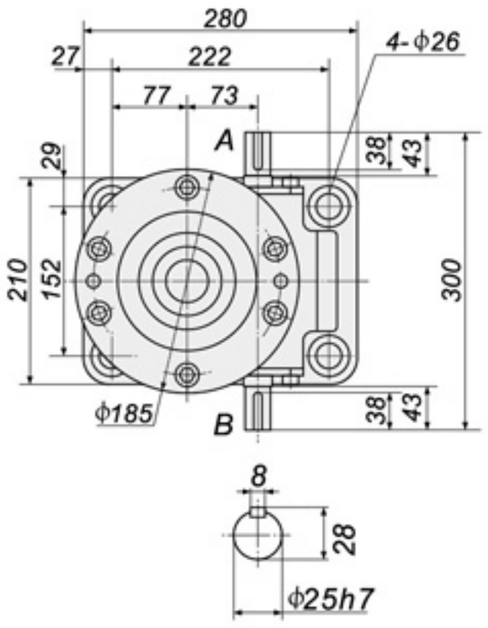
行程(mm) Journey	D R X MIN	D R X MAX	D R Y	D R m (kg)
100	128	228	239	40
200	128	328	339	42
300	128	428	439	43
400	128	528	539	45
500	128	628	639	46
600	128	728	739	48
800	128	928	939	51
1000	128	1128	1139	54
1200	128	1328	1339	57

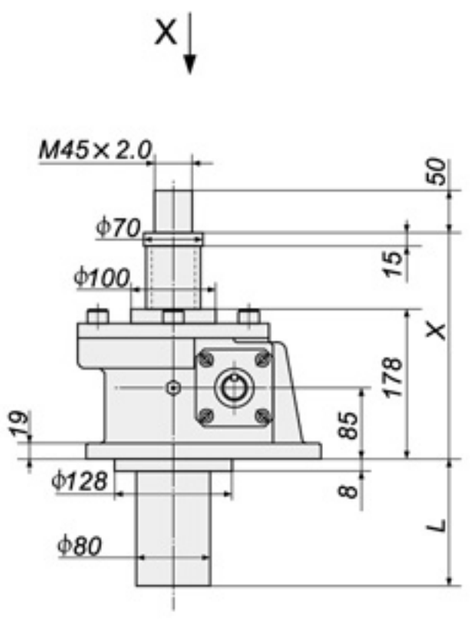
注：X(1)为加防尘罩时尺寸。

Note: "X(1)" is the dimension of jack with dust hood.

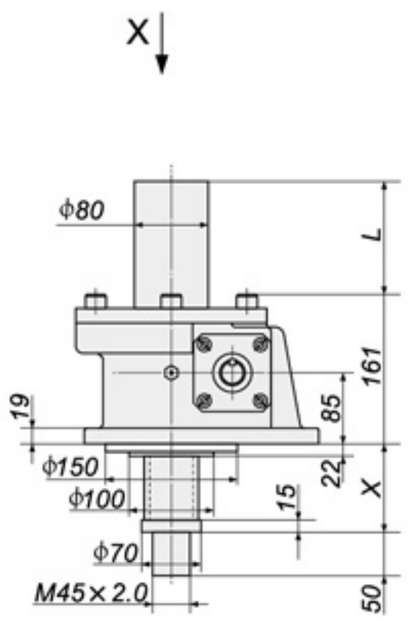
外形尺寸图表
Outline dimension sheet of jack

JWM200





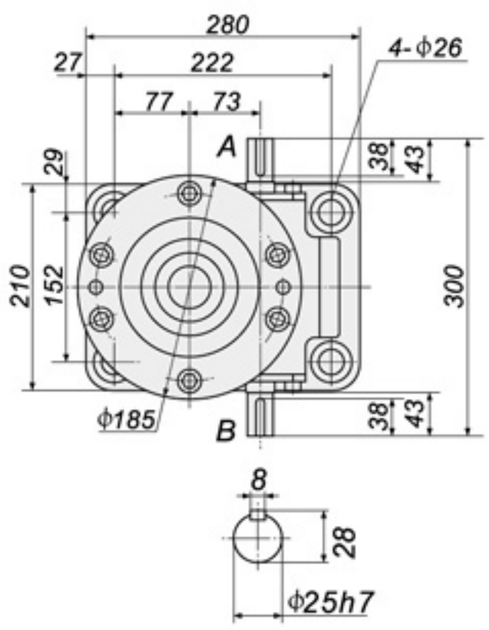
JWM200US

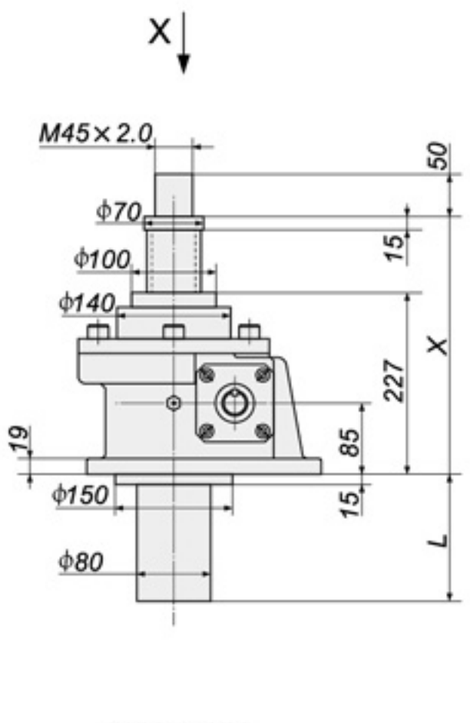


JWM200DS

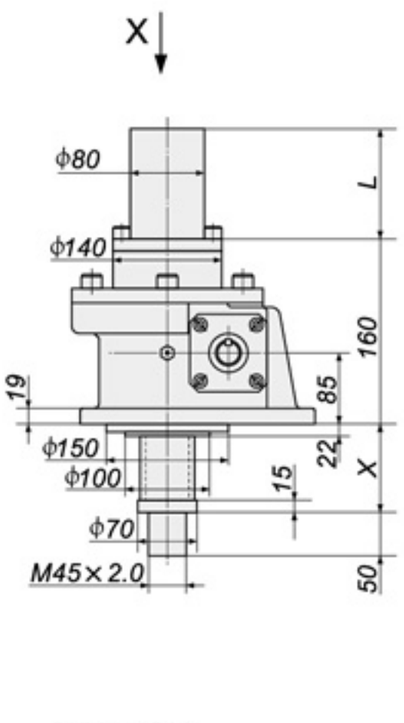
行程(mm) Journey	U S				L	m (kg)
	X		X(1)			
	MIN	MAX	MIN	MAX		
100	203	303	213	313	151	42
200	203	403	213	413	252	45
300	203	503	228	528	366	49
400	203	603	228	628	466	53
500	203	703	253	753	591	57
600	203	803	253	853	691	60
800	203	1003	268	1068	906	67
1000	203	1203	278	1278	1116	74
1200	203	1403	303	1503	1341	81

行程(mm) Journey	D S				L	m (kg)
	X		X(1)			
	MIN	MAX	MIN	MAX		
100	42	142	52	152	151	42
200	42	242	52	252	252	45
300	42	342	67	367	366	49
400	42	442	67	467	466	53
500	42	542	92	592	591	57
600	42	642	92	692	691	60
800	42	842	107	907	906	67
1000	42	1042	117	1117	1116	74
1200	42	1242	142	1342	1341	81





JWM200UM



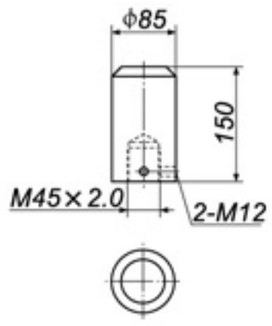
JWM200DM

行程(mm) Journey	U M				L	m (kg)
	X		X(1)			
	MIN	MAX	MIN	MAX		
100	252	352	262	362	151	51
200	252	452	262	462	252	55
300	252	552	277	577	366	58
400	252	652	277	677	466	62
500	252	752	302	802	591	66
600	252	852	302	902	691	69
800	252	1052	317	1117	906	76
1000	252	1252	327	1327	1116	83
1200	252	1452	352	1552	1341	90

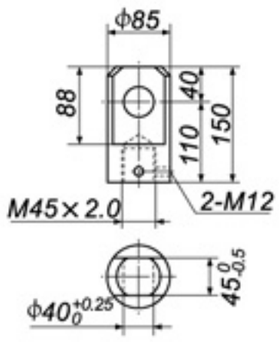
行程(mm) Journey	D M				L	m (kg)
	X		X(1)			
	MIN	MAX	MIN	MAX		
100	42	142	52	152	151	51
200	42	242	52	252	252	55
300	42	342	67	367	366	58
400	42	442	67	467	466	62
500	42	542	92	592	591	66
600	42	642	92	692	691	69
800	42	842	107	907	906	76
1000	42	1042	117	1117	1116	83
1200	42	1242	142	1342	1341	90



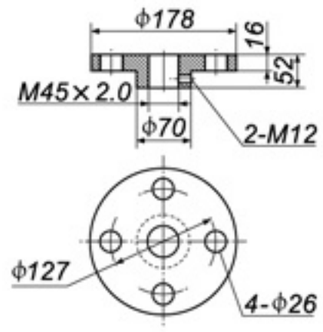
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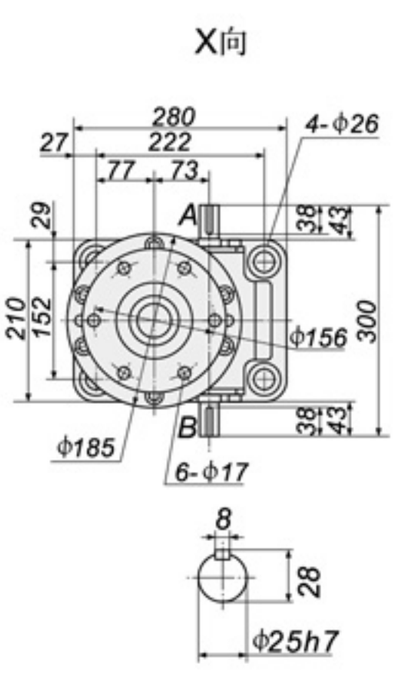
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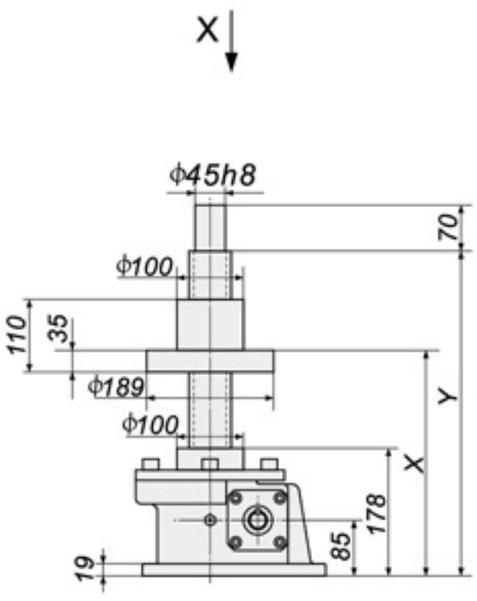


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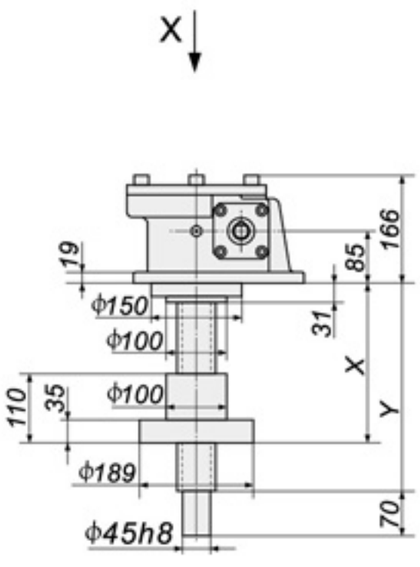


M





JWM200UR



JWM200DR

行程(mm) Journey	U R			
	X		Y	m (kg)
	MIN	MAX		
100	237	337	422	56
200	237	437	522	58
300	237	537	622	60
400	237	637	722	62
500	237	737	822	64
600	237	837	922	66
800	237	1037	1122	71
1000	237	1237	1322	75
1200	237	1437	1522	79

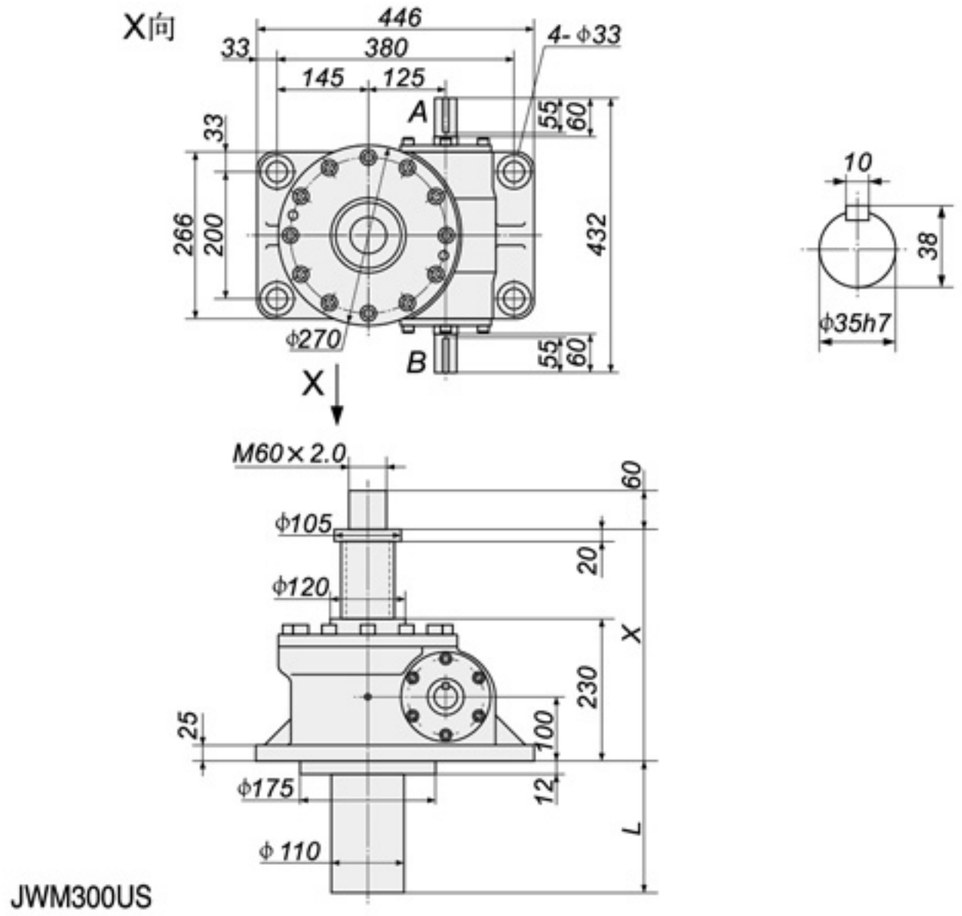
行程(mm) Journey	D R			
	X		Y	m (kg)
	MIN	MAX		
100	151	251	261	56
200	151	351	361	58
300	151	451	461	60
400	151	551	561	62
500	151	651	661	64
600	151	751	761	66
800	151	951	961	71
1000	151	1151	1161	75
1200	151	1351	1361	79

注：X(1)为加防尘罩时尺寸。

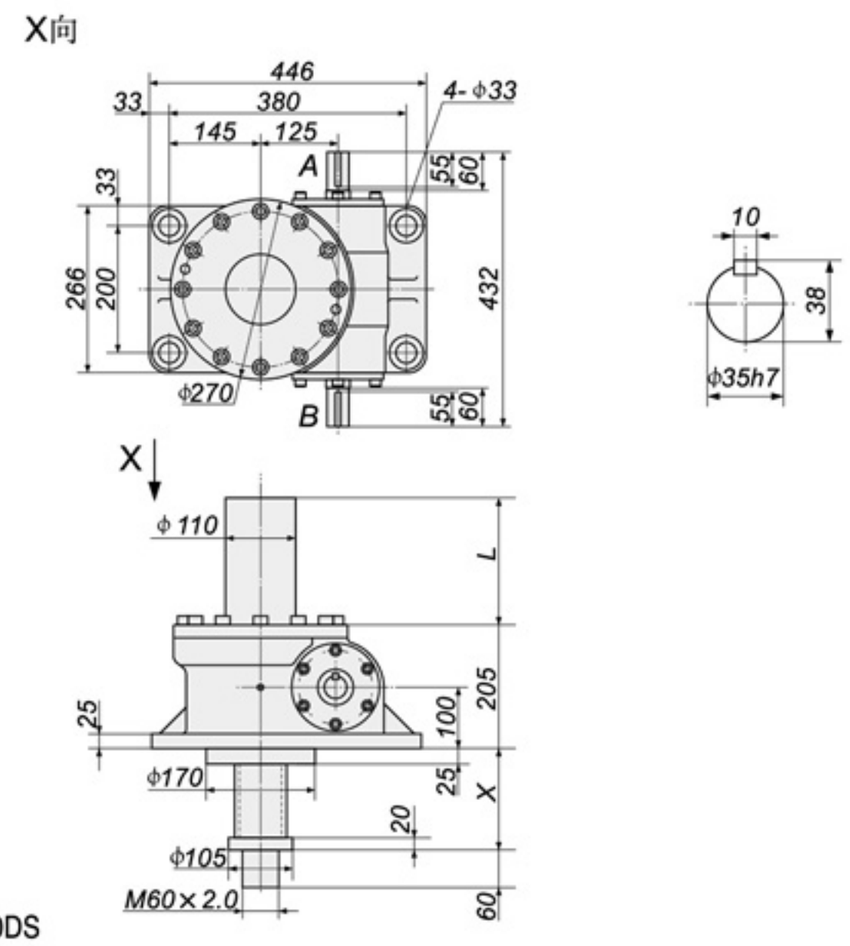
Note: "X(1)" is the dimension of jack with dust hood.

JWM300

行程(mm) Journey	U S					D S					m (kg)
	X		X(1)		L	X		X(1)		L	
	MIN	MAX	MIN	MAX		MIN	MAX	MIN	MAX		
100	255	355	265	365	160	55	155	65	165	160	118
200	255	455	265	465	260	55	255	65	265	260	123
300	255	555	280	580	375	55	355	80	380	375	128
400	255	655	280	680	475	55	455	80	480	475	134
500	255	755	295	795	590	55	555	95	595	590	139
600	255	855	295	895	690	55	655	95	695	690	145
800	255	1055	310	1110	905	55	855	110	910	905	155
1000	255	1255	330	1330	1125	55	1055	130	1130	1125	167
1200	255	1455	340	1540	1335	55	1255	140	1340	1335	177
1500	255	1755	365	1865	1660	55	1555	165	1665	1660	194



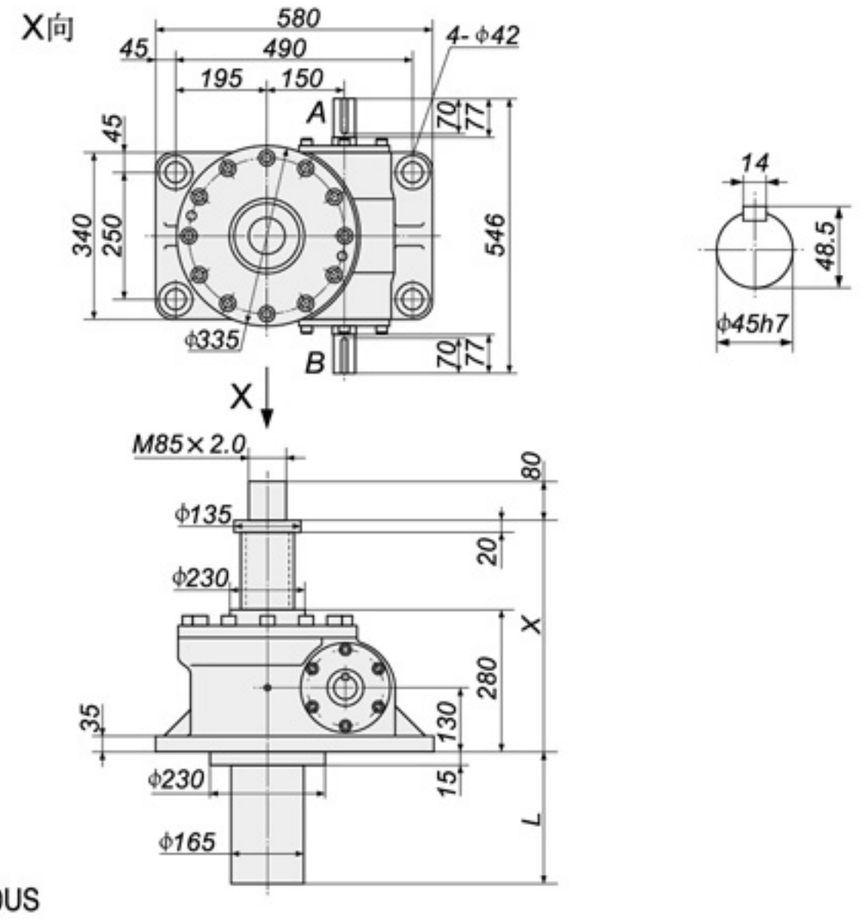
JWM300US



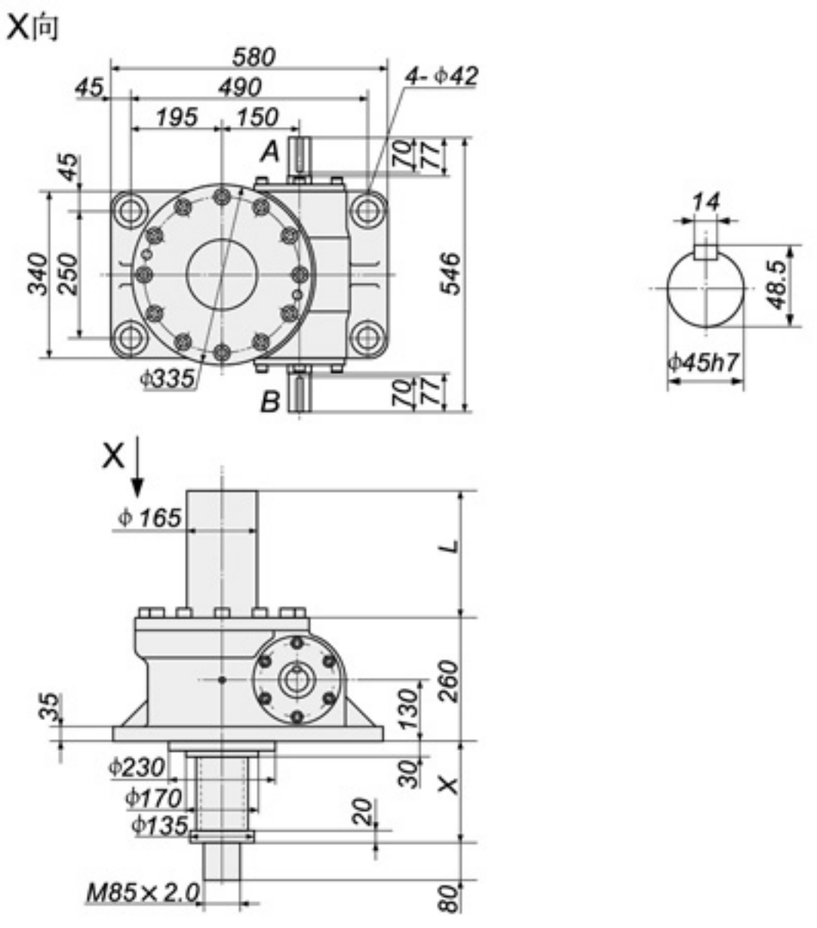
JWM300DS

JWM500

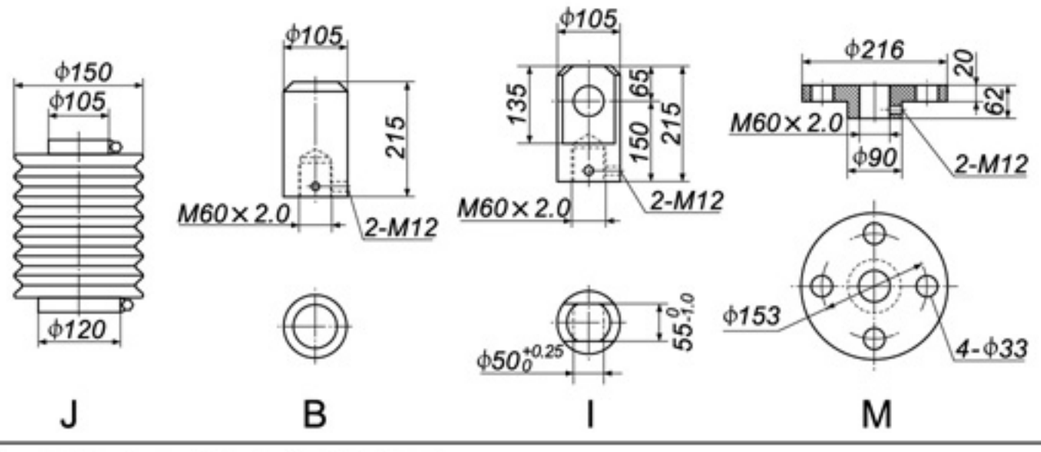
行程(mm) Journey	U S					D S					m (kg)
	X		X(1)		L	X		X(1)		L	
	MIN	MAX	MIN	MAX		MIN	MAX	MIN	MAX		
100	315	415	320	420	165	55	155	60	160	165	248
200	315	515	320	520	265	55	255	60	260	265	260
300	315	615	340	640	385	55	355	80	380	385	273
400	315	715	340	740	485	55	455	80	480	485	284
500	315	815	350	850	595	55	555	90	590	595	297
600	315	915	350	950	695	55	655	90	690	695	308
800	315	1115	365	1165	910	55	855	105	905	910	332
1000	315	1315	380	1380	1125	55	1055	120	1120	1125	357
1200	315	1515	390	1590	1335	55	1255	130	1330	1335	380
1500	315	1815	410	1910	1665	55	1555	150	1650	1665	417
2000	315	2315	445	2445	2190	55	2055	185	2185	2190	477

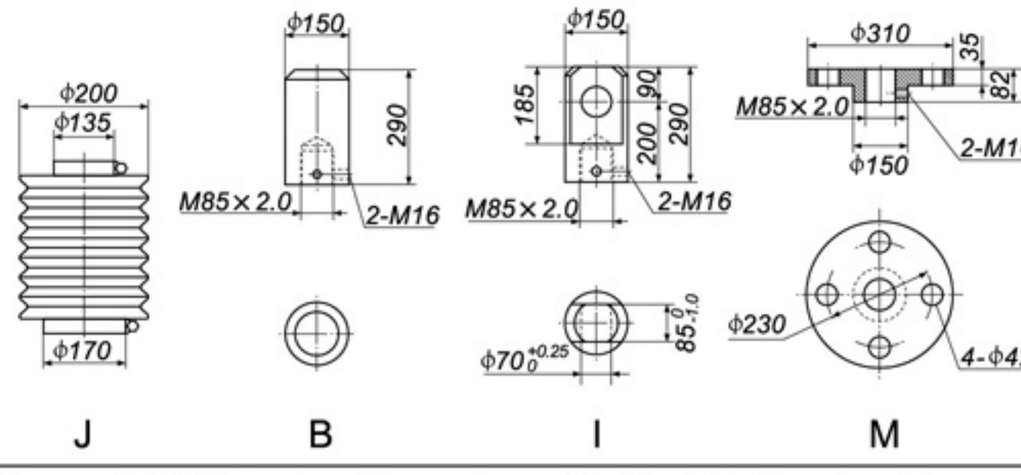


JWM500US



JWM500DS





注：X(1)为加防尘罩时尺寸。

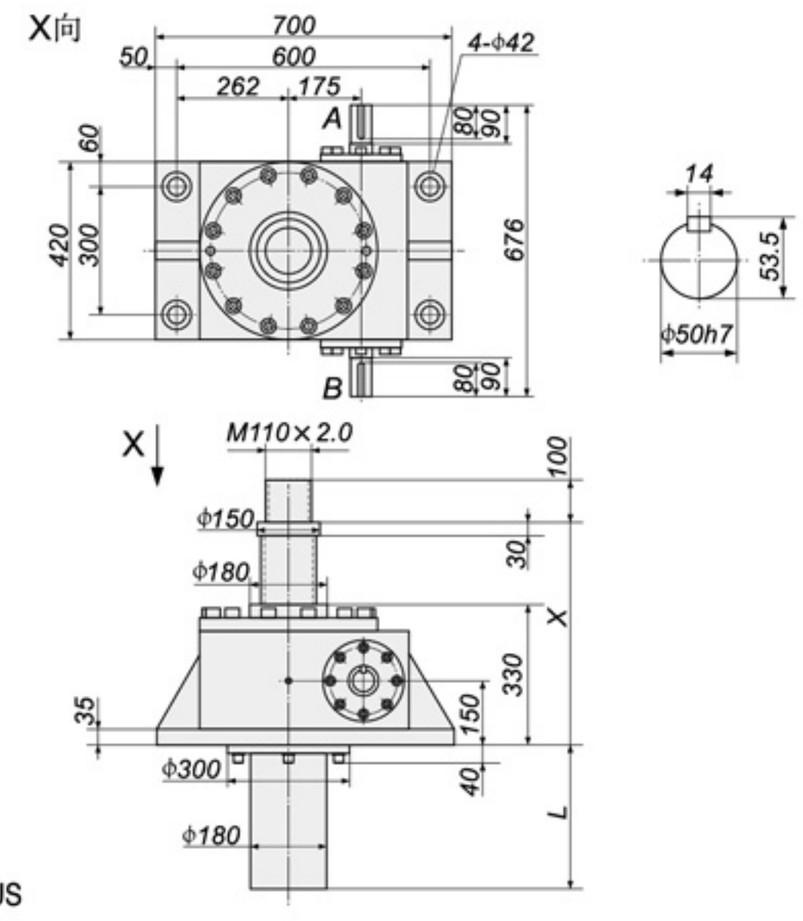
Note: "X(1)" is the dimension of jack with dust hood.

JW

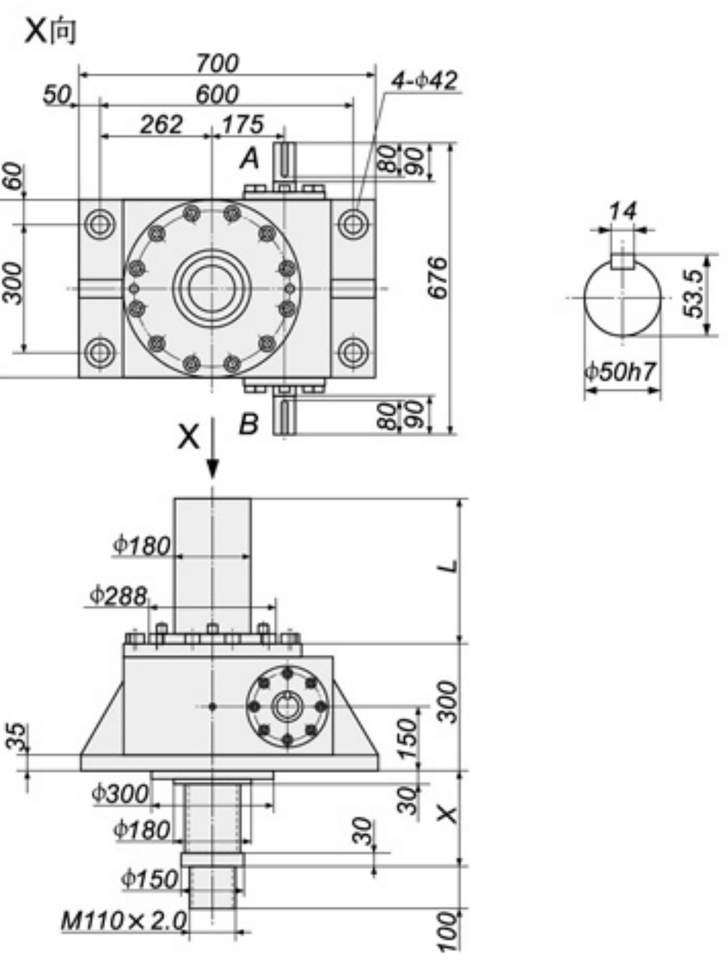
外形尺寸图表
Outline dimension sheet of jack

JWM750

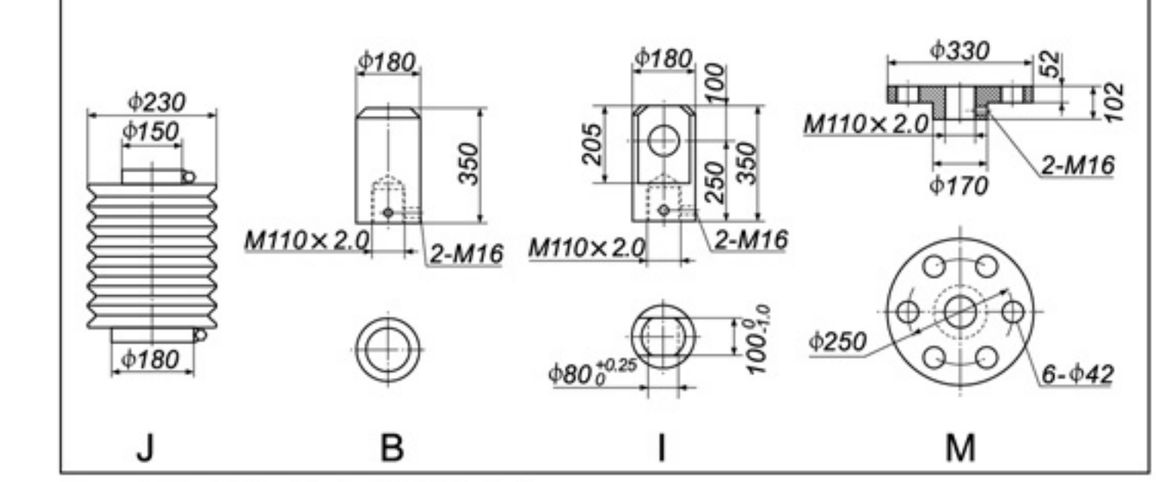
行程(mm) Journey	U S					D S					m (kg)
	X		X(1)		L	X		X(1)		L	
	MIN	MAX	MIN	MAX		MIN	MAX	MIN	MAX		
100	370	470	380	480	165	70	170	80	180	165	370
200	370	570	380	580	265	70	270	80	280	265	384
300	370	670	395	695	385	70	370	95	395	385	401
400	370	770	395	795	485	70	470	95	495	485	415
500	370	870	410	910	595	70	570	110	610	595	431
600	370	970	410	1010	695	70	670	110	710	695	445
800	370	1170	425	1225	910	70	870	125	925	910	476
1000	370	1370	435	1435	1125	70	1070	135	1135	1125	506
1200	370	1570	450	1650	1335	70	1270	150	1350	1335	536
1500	370	1870	465	1965	1665	70	1570	165	1665	1665	581
2000	370	2370	500	2500	2190	70	2070	200	2200	2190	657



JWM750US



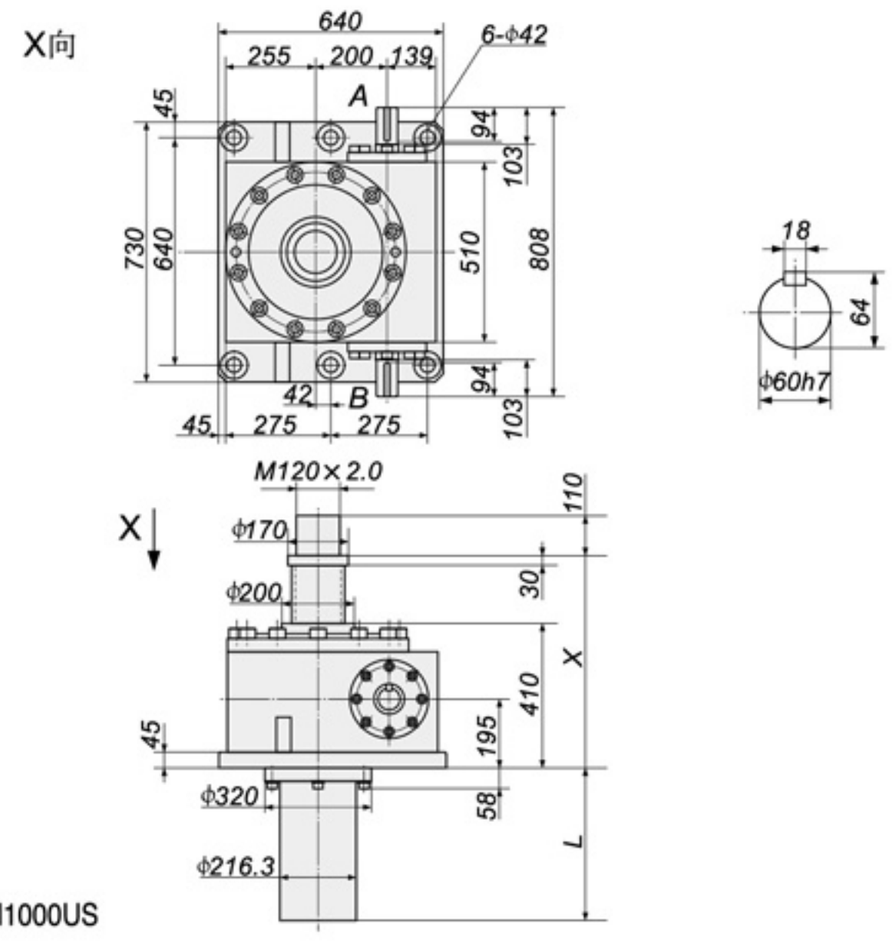
JWM750DS



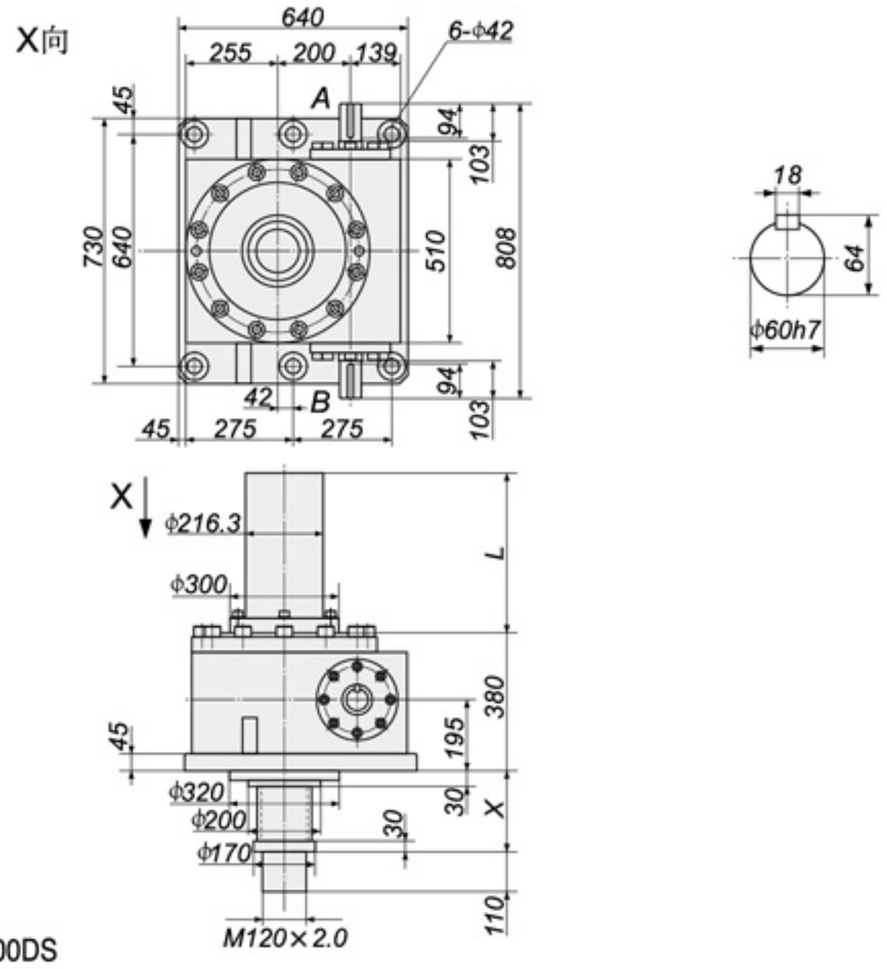
J B I M

JWM1000

行程(mm) Journey	U S					D S					m (kg)
	X		X(1)		L	X		X(1)		L	
	MIN	MAX	MIN	MAX		MIN	MAX	MIN	MAX		
100	450	550	460	560	165	70	170	80	180	165	748
200	450	650	460	660	265	70	270	80	280	265	766
300	450	750	475	775	385	70	370	95	395	385	787
400	450	850	475	875	485	70	470	95	495	485	805
500	450	950	485	985	595	70	570	105	605	595	824
600	450	1050	485	1085	695	70	670	105	705	695	842
800	450	1250	500	1300	910	70	870	120	920	910	881
1000	450	1450	510	1510	1125	70	1070	130	1130	1125	918
1200	450	1650	525	1725	1335	70	1270	145	1345	1335	957
1500	450	1950	545	2045	1665	70	1570	165	1665	1665	1014
2000	450	2450	575	2575	2190	70	2070	195	2195	2190	1109

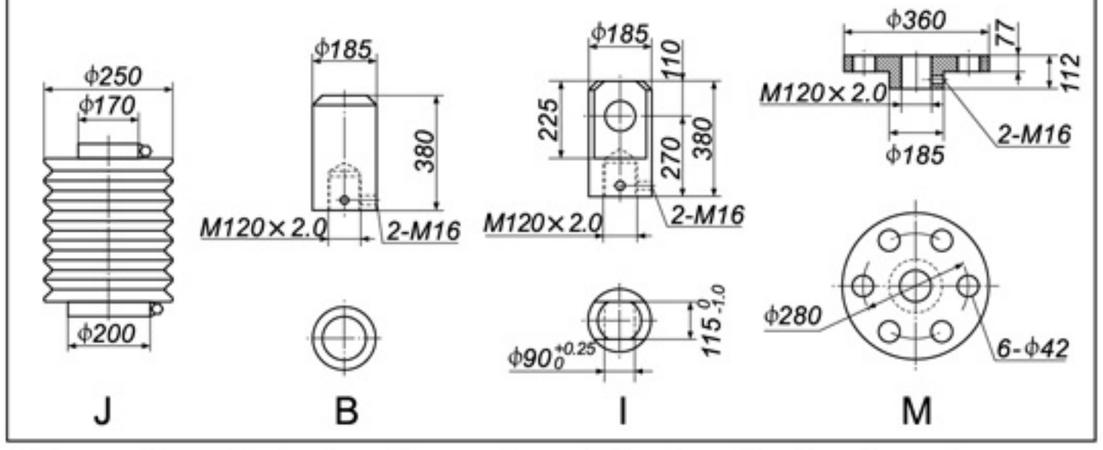


JWM1000US



JWM1000DS

J B I M



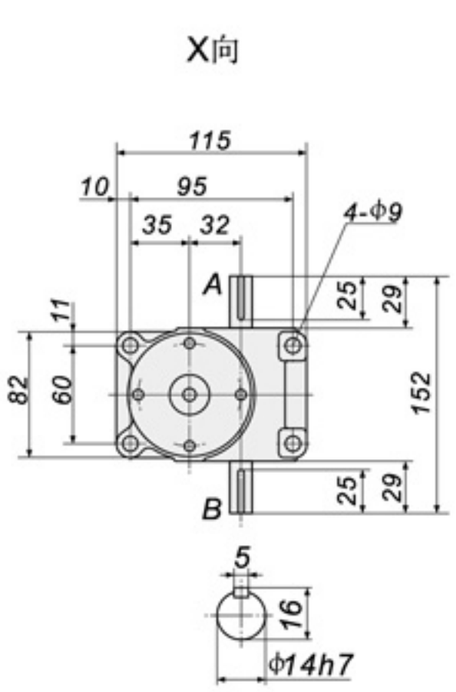
J B I M

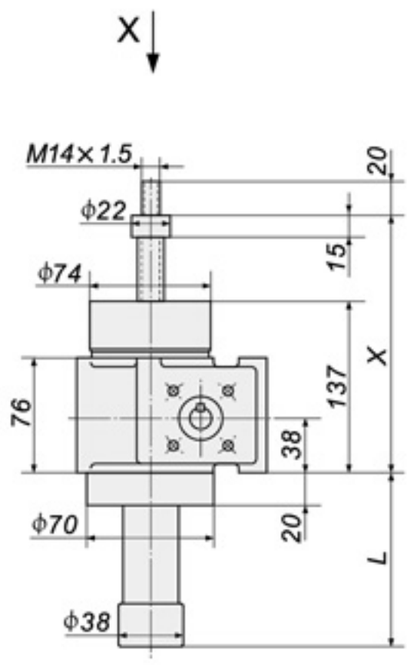
注：X(1)为加防尘罩时尺寸。

Note: "X(1)" is the dimension of jack with dust hood.

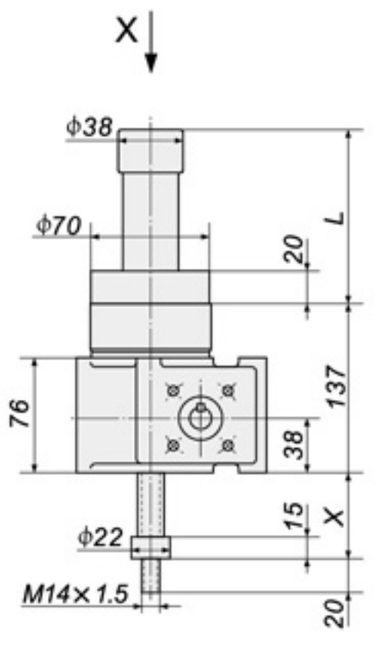


JWB010





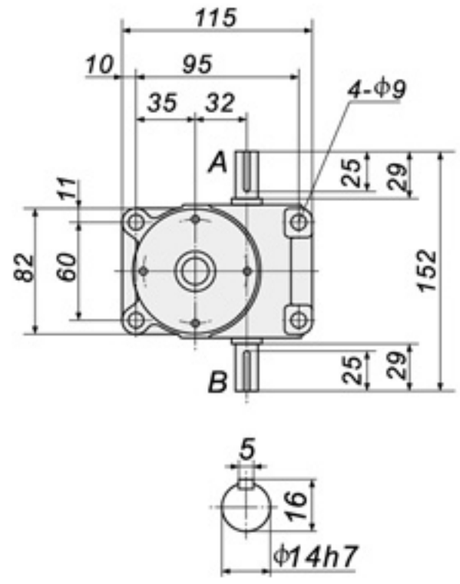
JWB010US

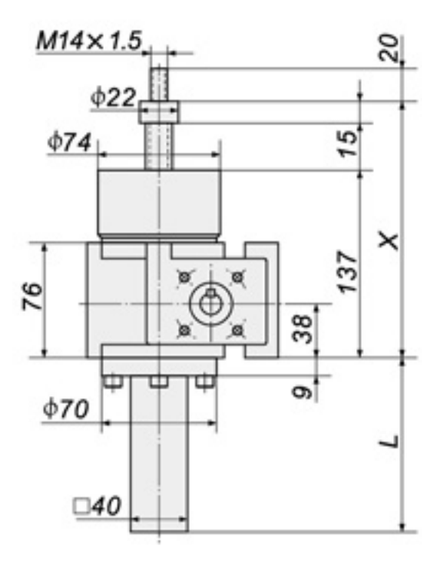


JWB010DS

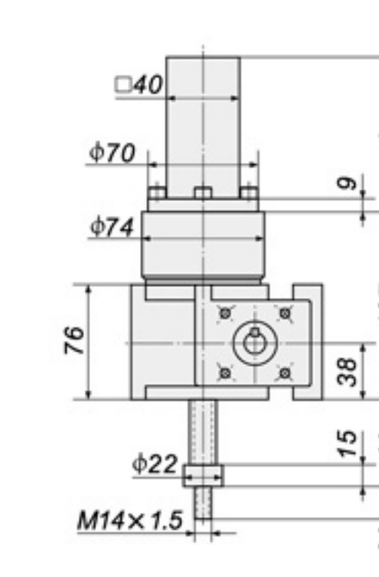
行程(mm) Journey	U S				L	m (kg)
	X		X(1)			
	MIN	MAX	MIN	MAX		
100	162	262	212	312	194	6.7
200	162	362	212	412	294	7.0
300	162	462	252	552	434	7.4
400	162	562	252	652	534	7.6
500	162	662	287	787	669	8.0
600	162	762	287	887	769	8.2

行程(mm) Journey	D S				L	m (kg)
	X		X(1)			
	MIN	MAX	MIN	MAX		
100	25	125	75	175	194	6.7
200	25	225	75	275	294	7.0
300	25	325	115	415	434	7.4
400	25	425	115	515	534	7.6
500	25	525	150	650	669	8.0
600	25	625	150	750	769	8.2





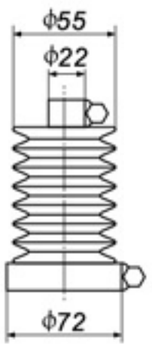
JWB010UM



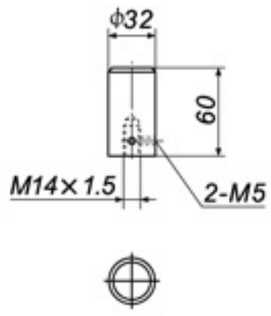
JWB010DM

行程(mm) Journey	U M				L	m (kg)
	X		X(1)			
	MIN	MAX	MIN	MAX		
100	162	262	212	312	194	7.5
200	162	362	212	412	294	8.2
300	162	462	252	552	434	9.1
400	162	562	252	652	534	9.8
500	162	662	287	787	669	11
600	162	762	287	887	769	12

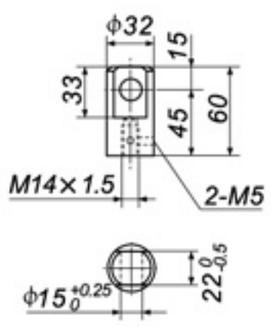
行程(mm) Journey	D M				L	m (kg)
	X		X(1)			
	MIN	MAX	MIN	MAX		
100	25	125	75	175	194	7.5
200	25	225	75	275	294	8.2
300	25	325	115	415	434	9.1
400	25	425	115	515	534	9.8
500	25	525	150	650	669	11
600	25	625	150	750	769	12



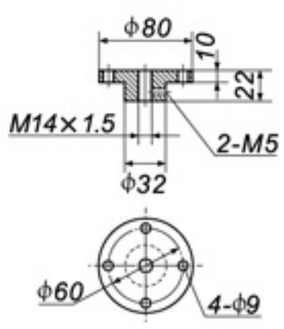
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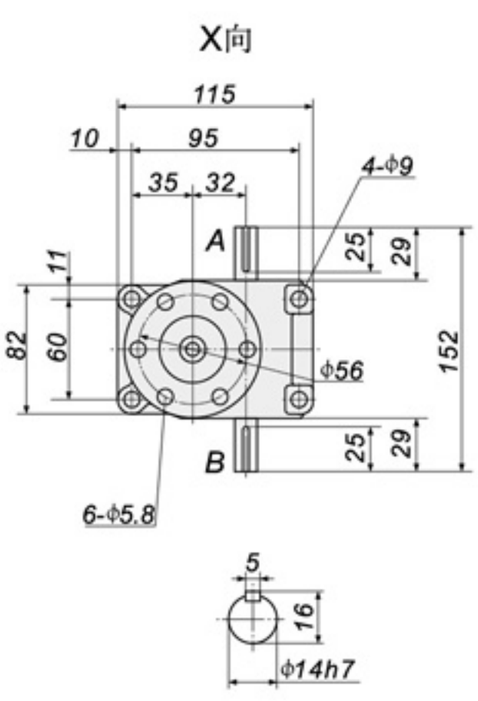
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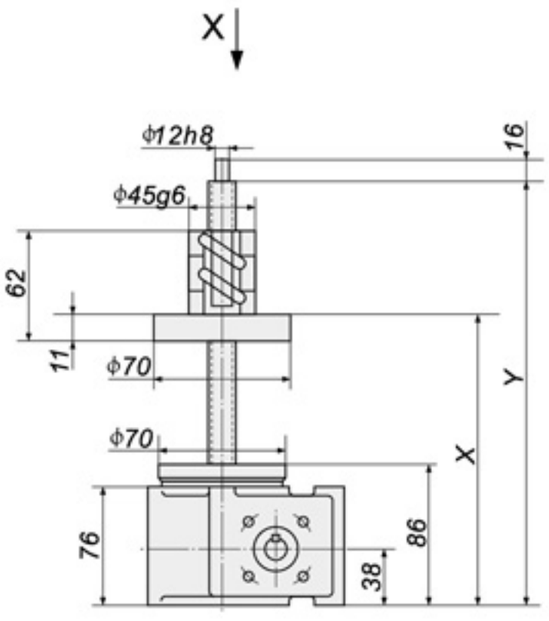


I

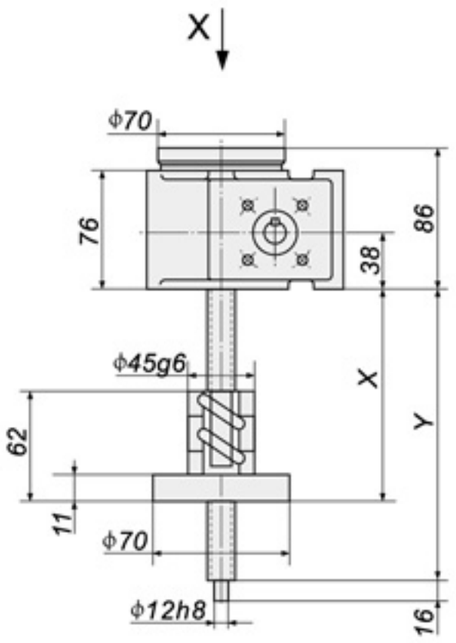


M





JWB010UR



JWB010DR

行程(mm) Journey	U R			
	X		Y	m (kg)
	MIN	MAX		
100	108	208	265	5.9
200	108	308	365	6.1
300	108	408	465	6.4
400	108	508	565	6.6
500	108	608	665	6.8
600	108	708	765	7.0

行程(mm) Journey	D R			
	X		Y	m (kg)
	MIN	MAX		
100	69	169	179	5.9
200	69	269	279	6.1
300	69	369	379	6.4
400	69	469	479	6.6
500	69	569	579	6.8
600	69	669	679	7.0

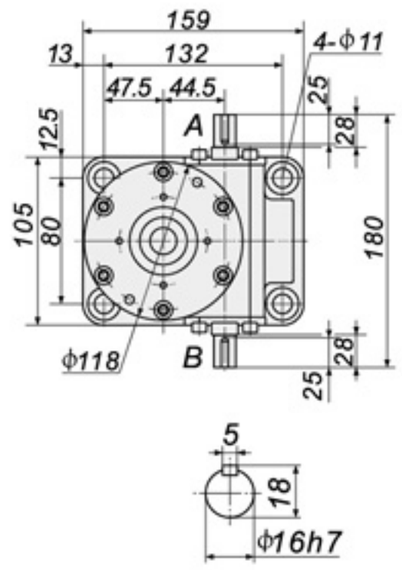
注：X(1)为加防尘罩时尺寸。

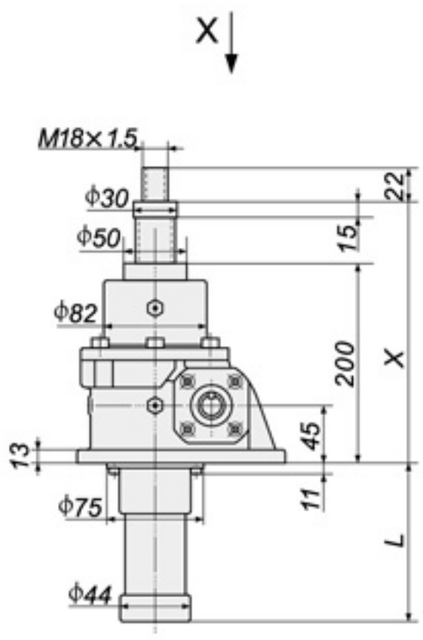
Note: "X(1)" is the dimension of jack with dust hood.

JW

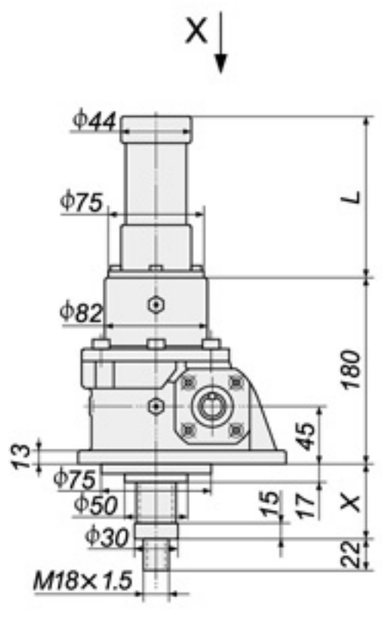
外形尺寸图表
Outline dimension sheet of jack

JWB025





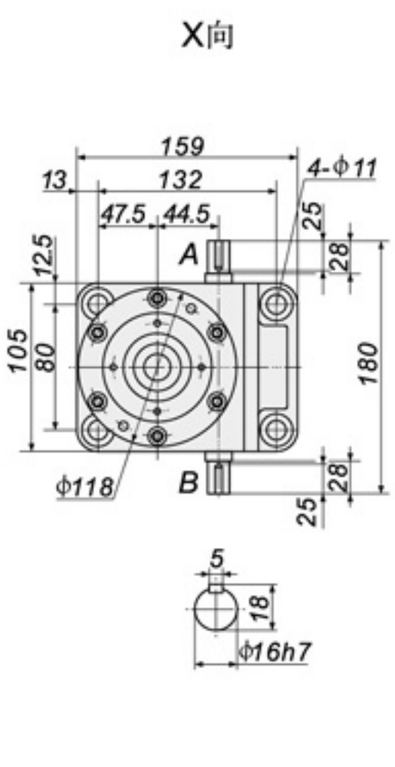
JWB025US

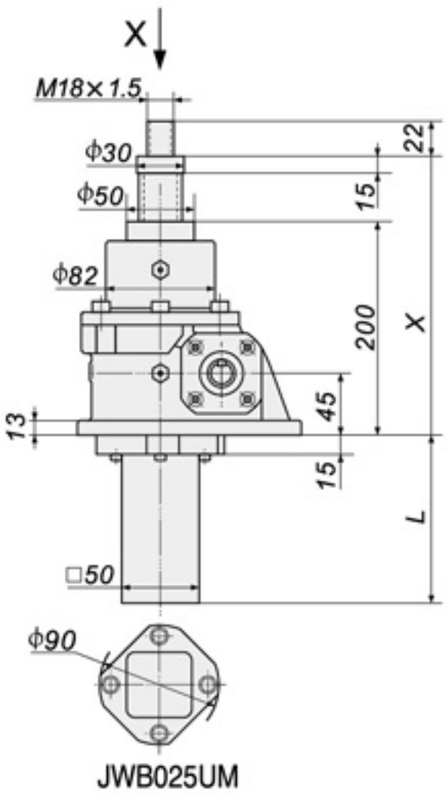


JWB025DS

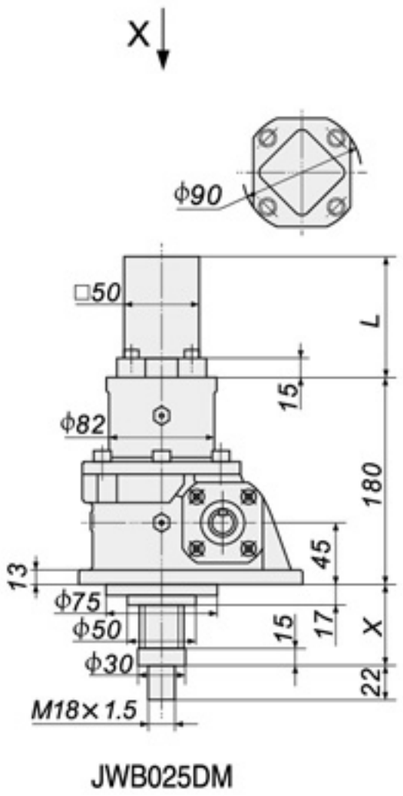
行程(mm) Journey	U S X MIN	X MAX	X(1) MIN	X(1) MAX	L	m (kg)
100	225	325	240	340	149	11
200	225	425	240	440	249	11
300	225	525	260	560	369	11
400	225	625	260	660	469	12
500	225	725	280	780	589	12
600	225	825	280	880	689	13
800	225	1025	300	1100	909	14

行程(mm) Journey	D S X MIN	X MAX	X(1) MIN	X(1) MAX	L	m (kg)
100	42	142	57	157	156	11
200	42	242	57	257	256	11
300	42	342	77	377	376	11
400	42	442	77	477	476	12
500	42	542	97	597	596	12
600	42	642	97	697	696	13
800	42	842	117	917	916	14





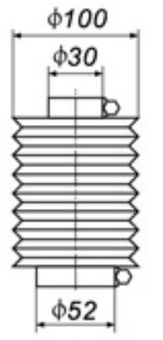
JWB025UM



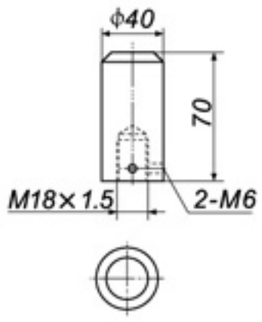
JWB025DM

行程(mm) Journey	U M X MIN	X MAX	X(1) MIN	X(1) MAX	L	m (kg)
100	225	325	240	340	175	12
200	225	425	240	440	275	13
300	225	525	260	560	395	15
400	225	625	260	660	495	16
500	225	725	280	780	615	17
600	225	825	280	880	715	18
800	225	1025	300	1100	935	21

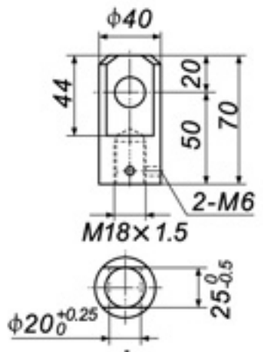
行程(mm) Journey	D M X MIN	X MAX	X(1) MIN	X(1) MAX	L	m (kg)
100	42	142	57	157	182	12
200	42	242	57	257	282	13
300	42	342	77	377	402	15
400	42	442	77	477	502	16
500	42	542	97	597	622	17
600	42	642	97	697	722	18
800	42	842	117	917	942	21



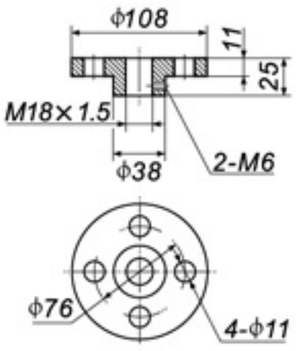
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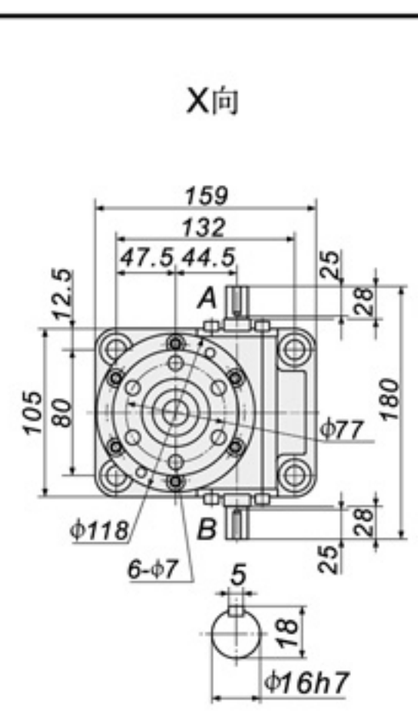
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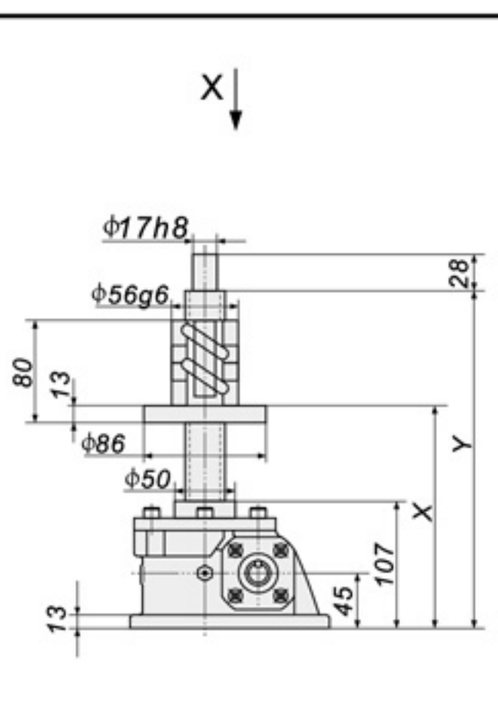


I

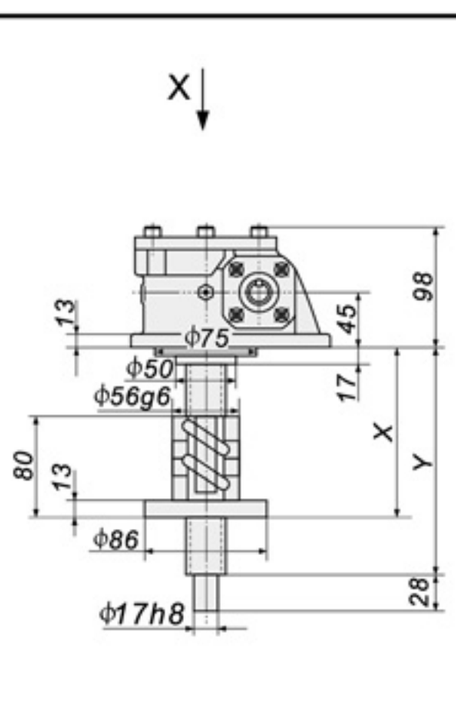


M





JWB025UR



JWB025DR

行程(mm) Journey	U R X MIN	X MAX	Y	m (kg)
100	133	233	309	9.2
200	133	333	409	9.5
300	133	433	509	9.9
400	133	533	609	11
500	133	633	709	11
600	133	733	809	11
800	133	933	1009	12

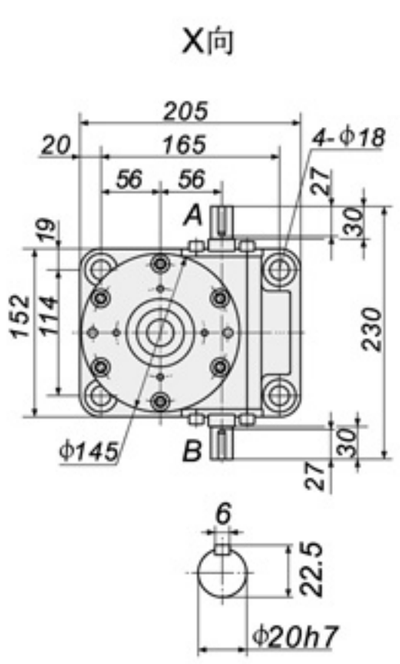
行程(mm) Journey	D R X MIN	X MAX	Y	m (kg)
100	108	208	219	9.2
200	108	308	319	9.5
300	108	408	419	9.9
400	108	508	519	11
500	108	608	619	11
600	108	708	719	11
800	108	908	919	12

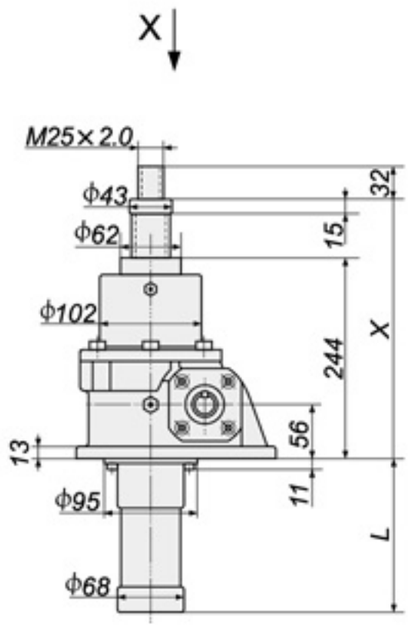
注：X(1)为加防尘罩时尺寸。

Note: "X(1)" is the dimension of jack with dust hood.

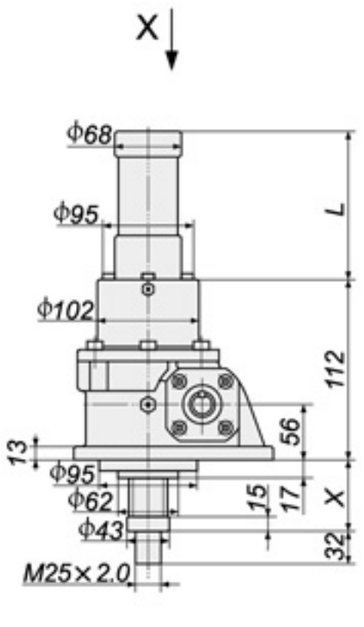


JWB050





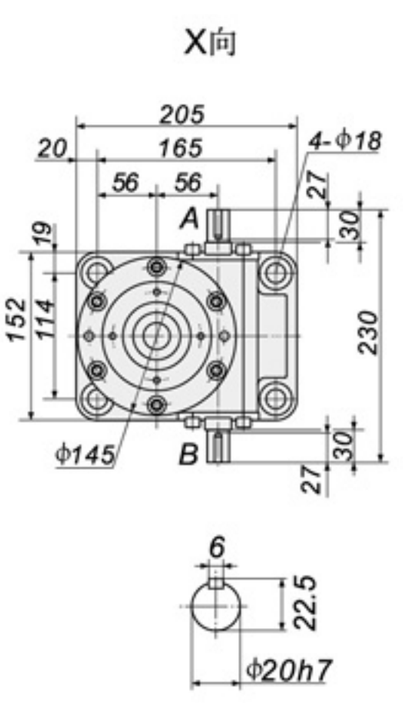
JWB050US

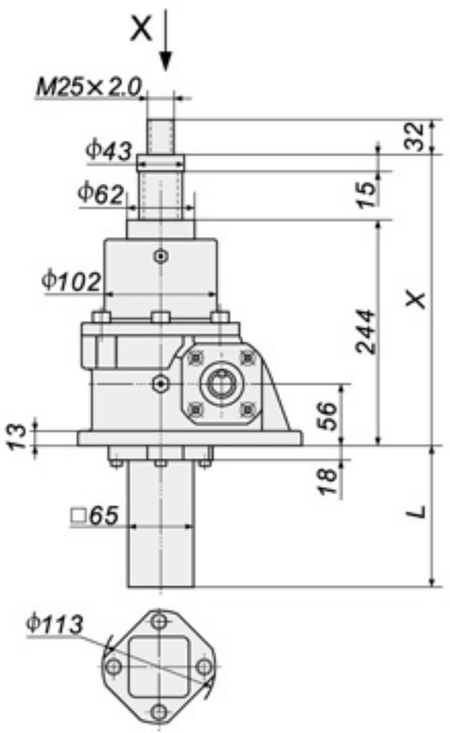


JWB050DS

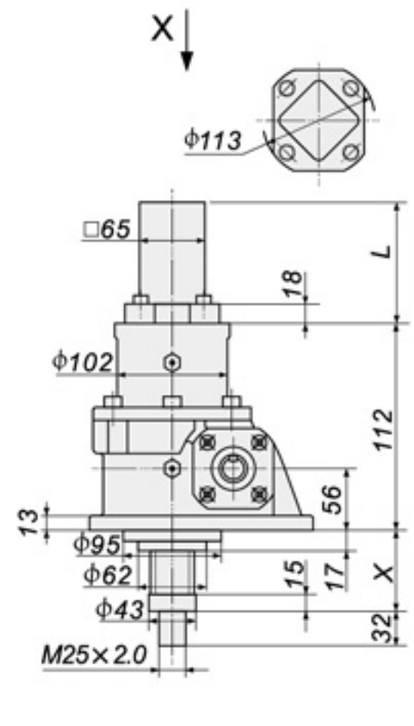
行程 (mm) Journey	U S				L	m (kg)
	X		X(1)			
	MIN	MAX	MIN	MAX		
100	269	369	284	384	147	23
200	269	469	284	484	247	23
300	269	569	304	604	367	24
400	269	669	304	704	467	25
500	269	769	324	824	587	26
600	269	869	324	924	687	27
800	269	1069	344	1144	907	29
1000	269	1269	364	1364	1127	30

行程 (mm) Journey	D S				L	m (kg)
	X		X(1)			
	MIN	MAX	MIN	MAX		
100	42	142	57	157	147	23
200	42	242	57	257	247	23
300	42	342	77	377	367	24
400	42	442	77	477	467	25
500	42	542	97	597	587	26
600	42	642	97	697	687	27
800	42	842	117	917	907	29
1000	42	1042	137	1137	1127	30





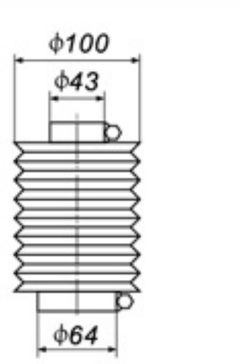
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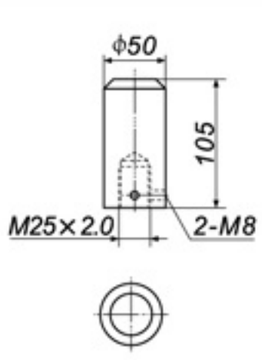
JWB050DM

行程 (mm) Journey	U M				L	m (kg)
	X		X(1)			
	MIN	MAX	MIN	MAX		
100	269	369	284	384	175	25
200	269	469	284	484	275	27
300	269	569	304	604	395	29
400	269	669	304	704	495	31
500	269	769	324	824	615	33
600	269	869	324	924	715	35
800	269	1069	344	1144	935	39
1000	269	1269	364	1364	1155	43

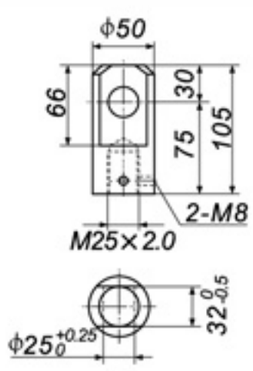
行程 (mm) Journey	D M				L	m (kg)
	X		X(1)			
	MIN	MAX	MIN	MAX		
100	42	142	57	157	175	25
200	42	242	57	257	275	27
300	42	342	77	377	395	29
400	42	442	77	477	495	31
500	42	542	97	597	615	33
600	42	642	97	697	715	35
800	42	842	117	917	935	39
1000	42	1042	137	1137	1155	43



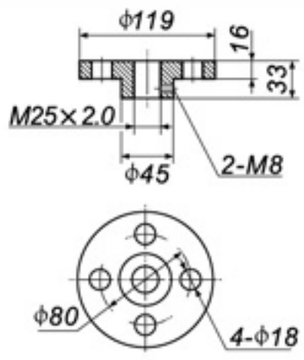
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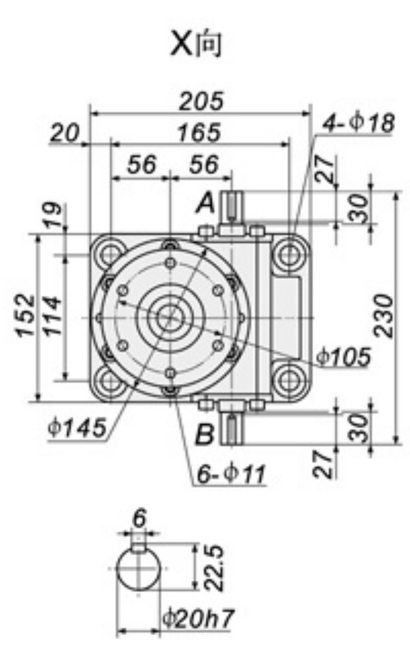
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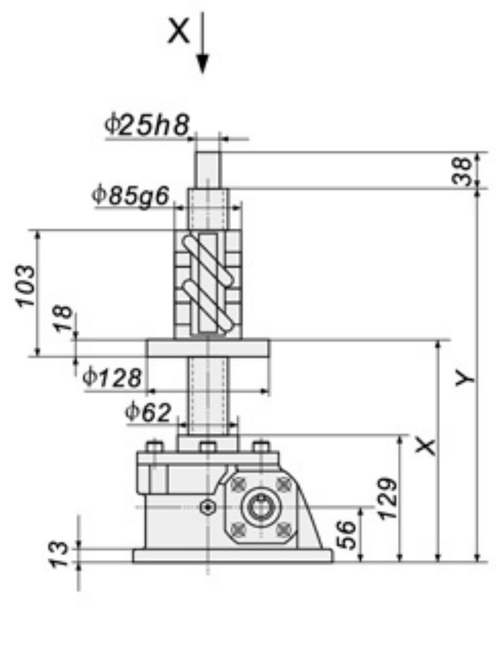


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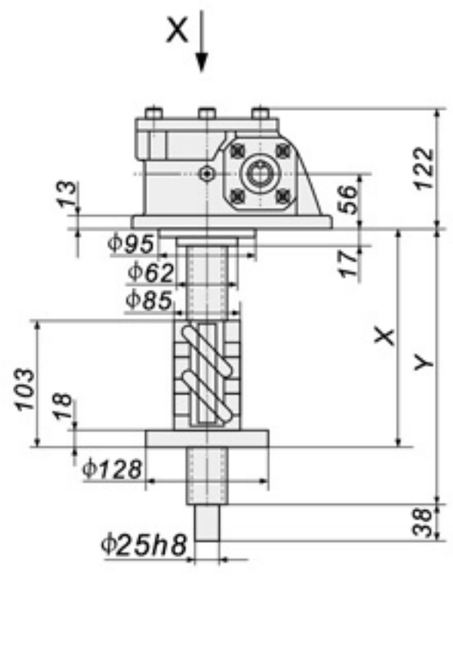


M





JWB050UR



JWB050DR

行程 (mm) Journey	U R			
	X		Y	m (kg)
	MIN	MAX		
100	157	257	354	21
200	157	357	454	22
300	157	457	554	22
400	157	557	654	23
500	157	657	754	24
600	157	757	854	24
800	157	957	1054	26
1000	157	1157	1254	27

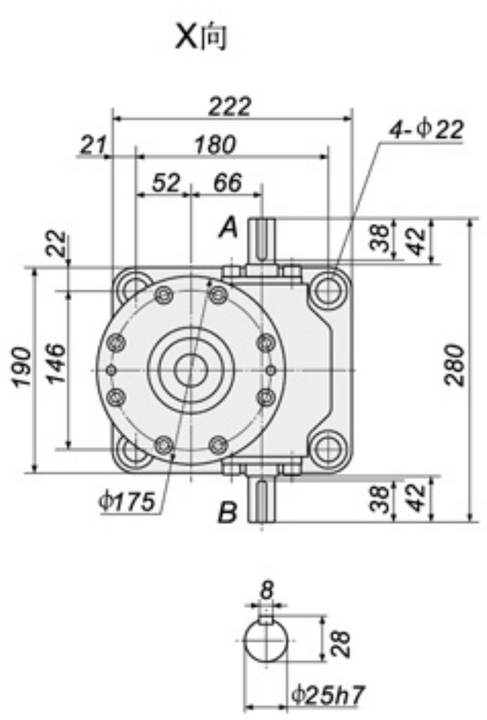
行程 (mm) Journey	D R			
	X		Y	m (kg)
	MIN	MAX		
100	130	230	242	21
200	130	330	342	22
300	130	430	442	22
400	130	530	542	23
500	130	630	642	24
600	130	730	742	24
800	130	930	942	26
1000	130	1130	1142	27

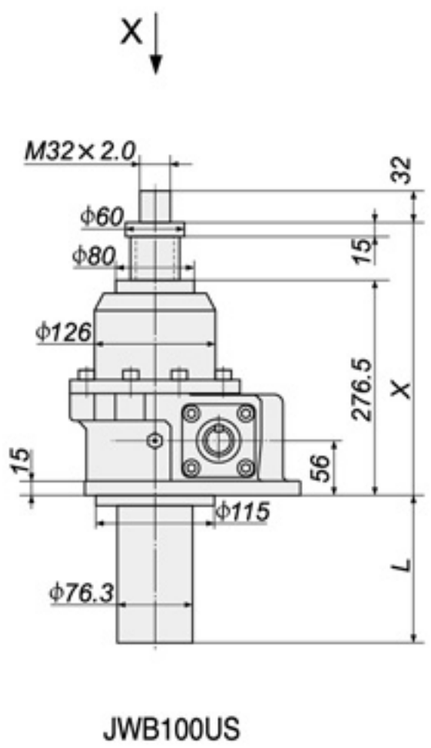
注：X(1)为加防尘罩时尺寸。

Note: "X(1)" is the dimension of jack with dust hood.

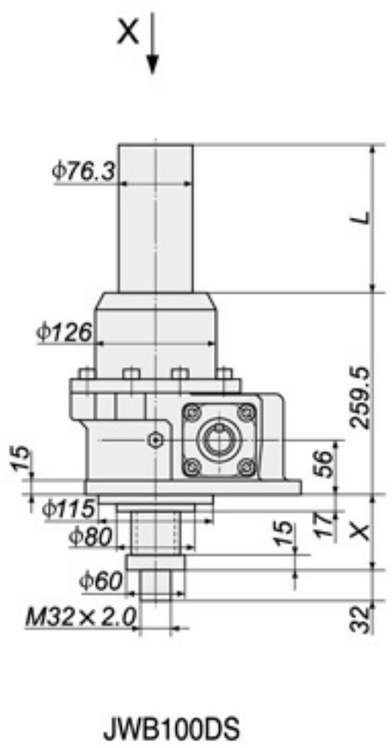
外形尺寸图表
Outline dimension sheet of jack

JWB100





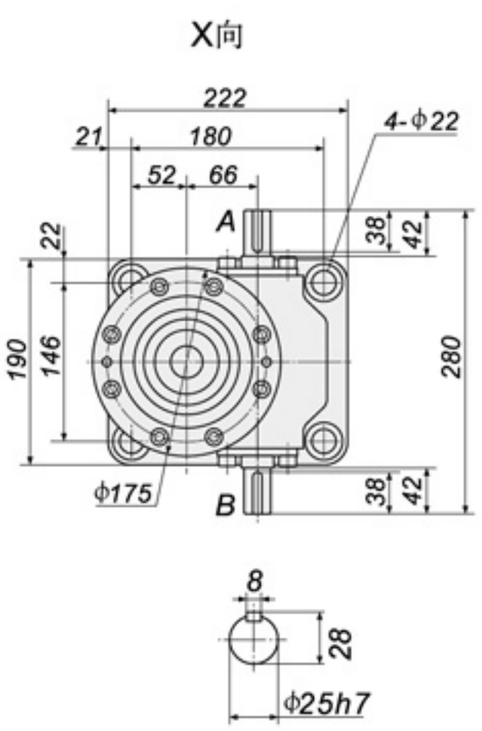
JWB100US

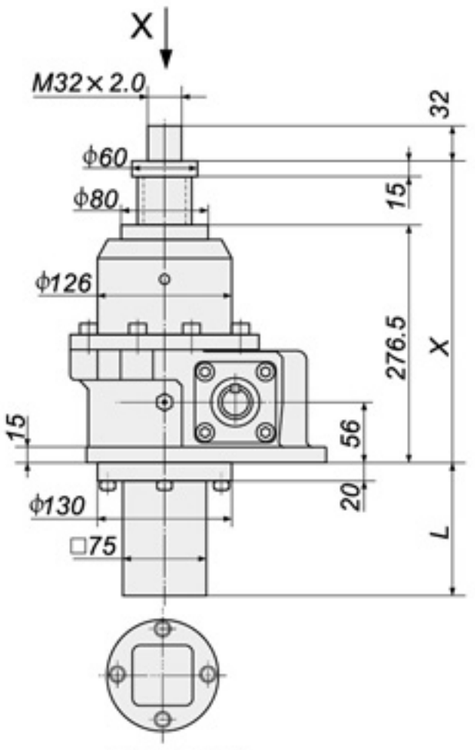


JWB100DS

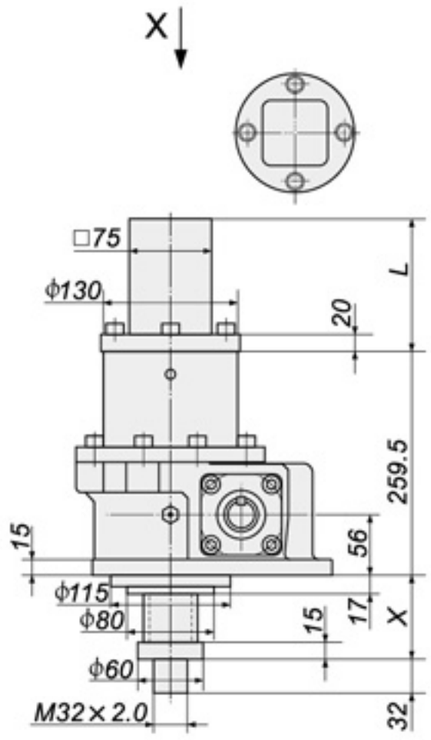
行程(mm) Journey	U S X MIN	X MAX	X(1) MIN	X(1) MAX	L	m (kg)
100	302	402	312	412	151	36
200	302	502	312	512	252	38
300	302	602	327	627	366	41
400	302	702	327	727	466	43
500	302	802	352	852	591	46
600	302	902	352	952	691	48
800	302	1102	367	1167	906	53
1000	302	1302	377	1377	1116	58
1200	302	1502	402	1602	1341	63

行程(mm) Journey	D S X MIN	X MAX	X(1) MIN	X(1) MAX	L	m (kg)
100	42	142	52	152	151	36
200	42	242	52	252	252	38
300	42	342	67	367	366	41
400	42	442	67	467	466	43
500	42	542	92	592	591	46
600	42	642	92	692	691	48
800	42	842	107	907	906	53
1000	42	1042	117	1117	1116	58
1200	42	1242	142	1342	1341	63





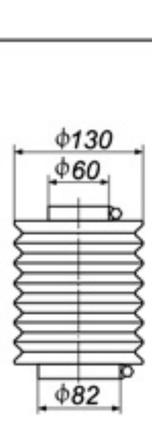
JWB100UM



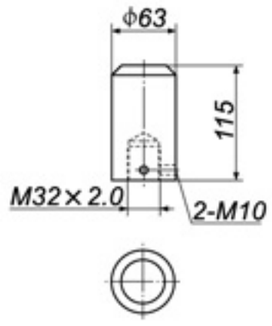
JWB100DM

行程(mm) Journey	U M X MIN	X MAX	X(1) MIN	X(1) MAX	L	m (kg)
100	302	402	312	412	192	39
200	302	502	312	512	292	42
300	302	602	327	627	407	45
400	302	702	327	727	507	48
500	302	802	352	852	632	52
600	302	902	352	952	732	55
800	302	1102	367	1167	947	61
1000	302	1302	377	1377	1157	67
1200	302	1502	402	1602	1382	74

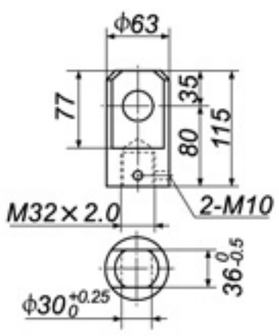
行程(mm) Journey	D M X MIN	X MAX	X(1) MIN	X(1) MAX	L	m (kg)
100	42	142	52	152	192	39
200	42	242	52	252	292	42
300	42	342	67	367	407	45
400	42	442	67	467	507	48
500	42	542	92	592	632	52
600	42	642	92	692	732	55
800	42	842	107	907	947	61
1000	42	1042	117	1117	1157	67
1200	42	1242	142	1342	1382	74



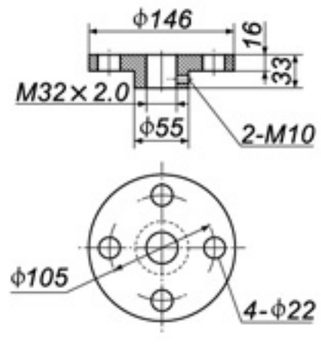
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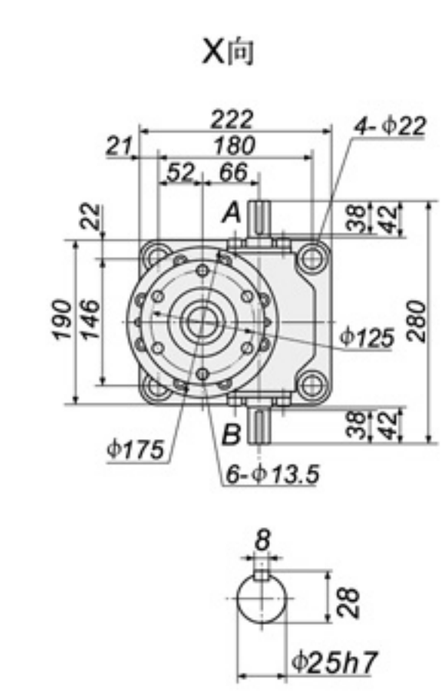
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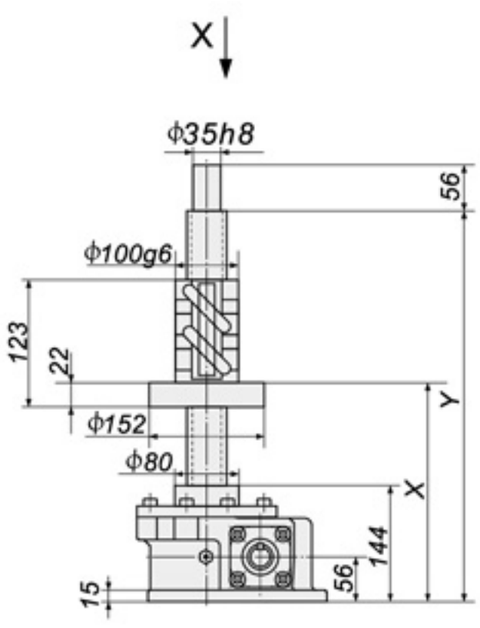


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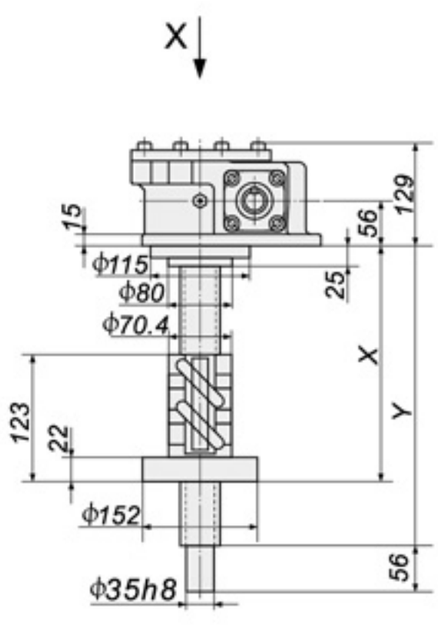


M





JWB100UR



JWB100DR

行程(mm) Journey	U R X MIN	X MAX	Y	m (kg)
100	176	276	387	31
200	176	376	487	32
300	176	476	587	33
400	176	576	687	34
500	176	676	787	35
600	176	776	887	36
800	176	976	1087	39
1000	176	1176	1287	41
1200	176	1376	1487	43

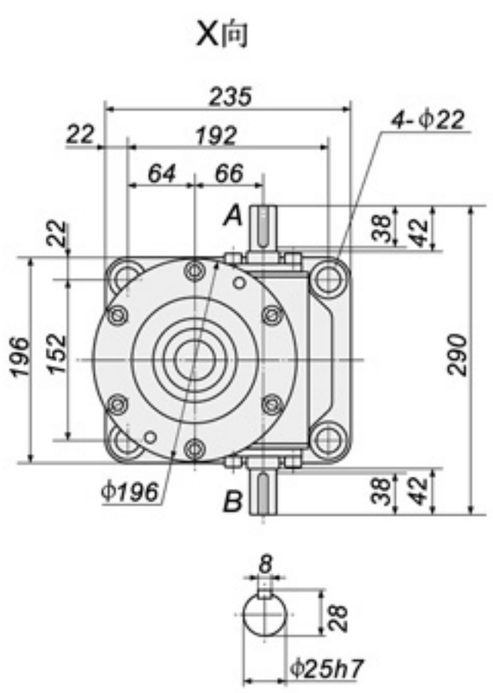
行程(mm) Journey	D R X MIN	X MAX	Y	m (kg)
100	158	258	268	31
200	158	358	368	32
300	158	458	468	33
400	158	558	568	34
500	158	658	668	35
600	158	758	768	36
800	158	958	968	39
1000	158	1158	1168	41
1200	158	1358	1368	43

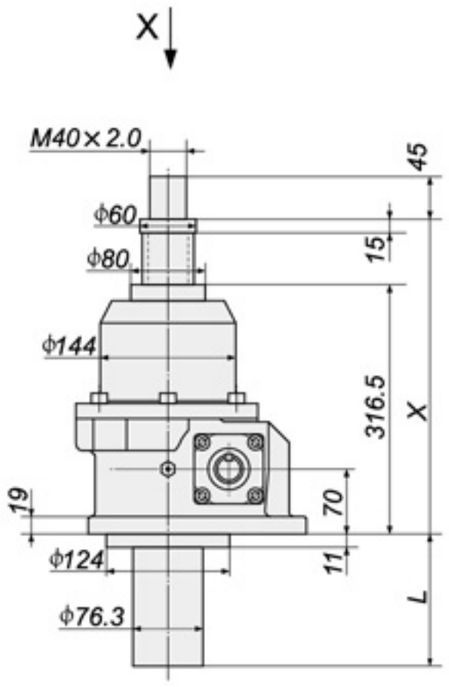
注：X(1)为加防尘罩时尺寸。

Note: "X(1)" is the dimension of jack with dust hood.

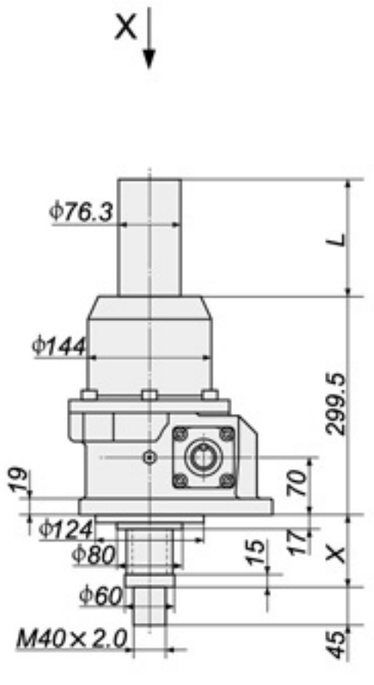


JWB150





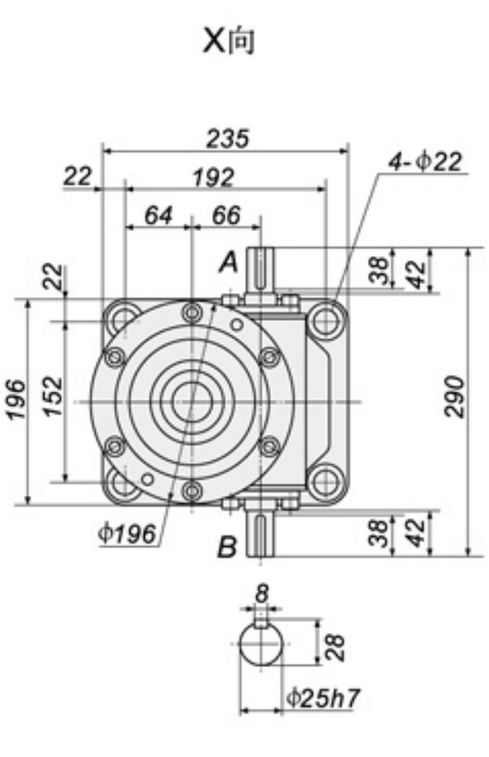
JWB150US

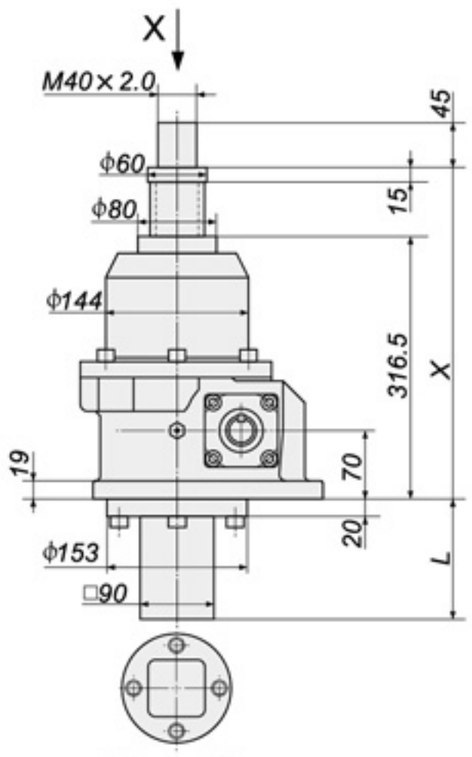


JWB150DS

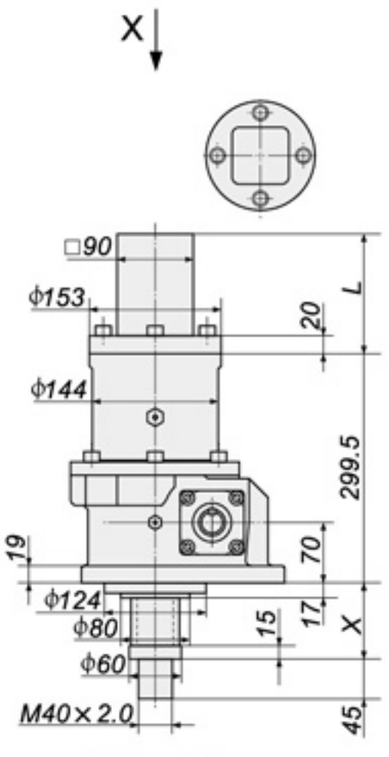
行程(mm) Journey	U S				L	m (kg)
	X		X(1)			
	MIN	MAX	MIN	MAX		
100	342	442	352	452	151	46
200	342	542	352	552	252	48
300	342	642	367	667	366	51
400	342	742	367	767	466	54
500	342	842	392	892	591	57
600	342	942	392	992	691	60
800	342	1142	407	1207	906	65
1000	342	1342	417	1417	1116	70
1200	342	1542	442	1642	1341	76

行程(mm) Journey	D S				L	m (kg)
	X		X(1)			
	MIN	MAX	MIN	MAX		
100	42	142	52	152	151	46
200	42	242	52	252	252	48
300	42	342	67	367	366	51
400	42	442	67	467	466	54
500	42	542	92	592	591	57
600	42	642	92	692	691	60
800	42	842	107	907	906	65
1000	42	1042	117	1117	1116	70
1200	42	1242	142	1342	1341	76





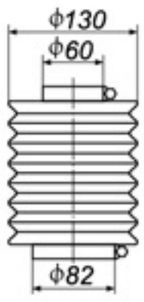
JWB150UM



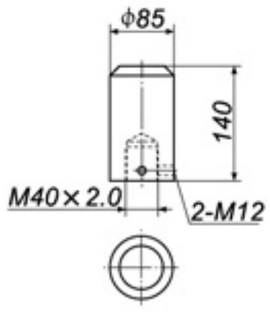
JWB150DM

行程(mm) Journey	U M				L	m (kg)
	X		X(1)			
	MIN	MAX	MIN	MAX		
100	342	442	352	452	221	52
200	342	542	352	552	321	55
300	342	642	367	667	436	59
400	342	742	367	767	536	62
500	342	842	392	892	661	66
600	342	942	392	992	761	69
800	342	1142	407	1207	976	75
1000	342	1342	417	1417	1186	82
1200	342	1542	442	1642	1411	89

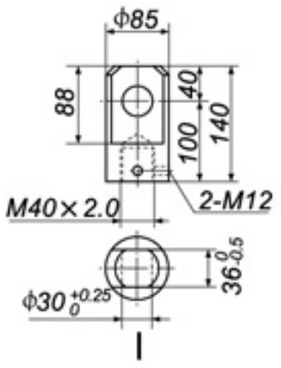
行程(mm) Journey	D M				L	m (kg)
	X		X(1)			
	MIN	MAX	MIN	MAX		
100	42	142	52	152	221	52
200	42	242	52	252	321	55
300	42	342	67	367	436	59
400	42	442	67	467	536	62
500	42	542	92	592	661	66
600	42	642	92	692	761	69
800	42	842	107	907	976	75
1000	42	1042	117	1117	1186	82
1200	42	1242	142	1342	1411	89



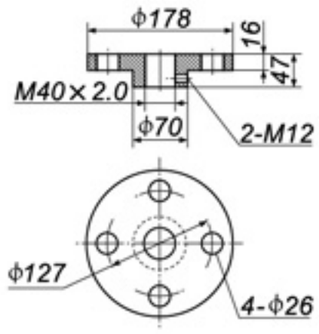
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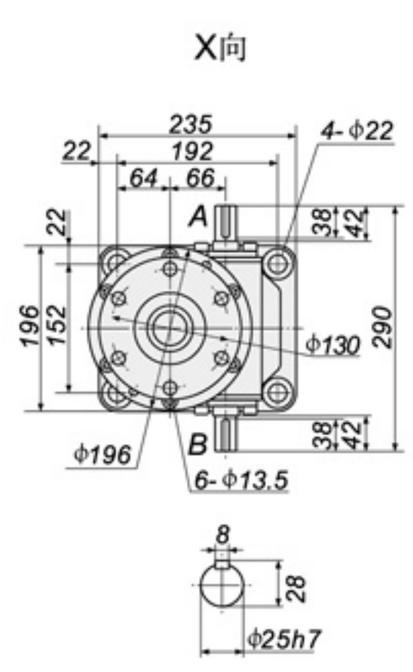
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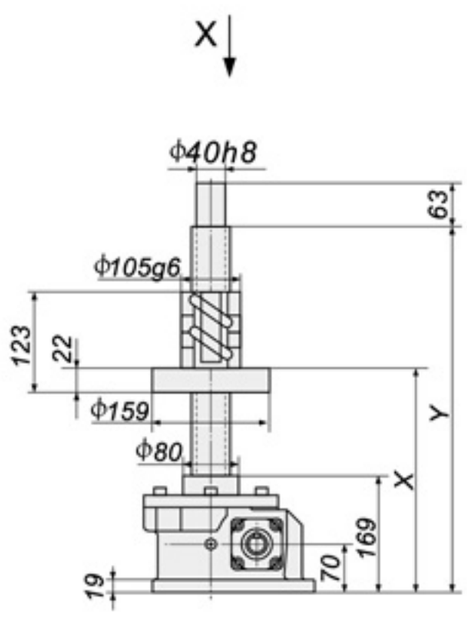


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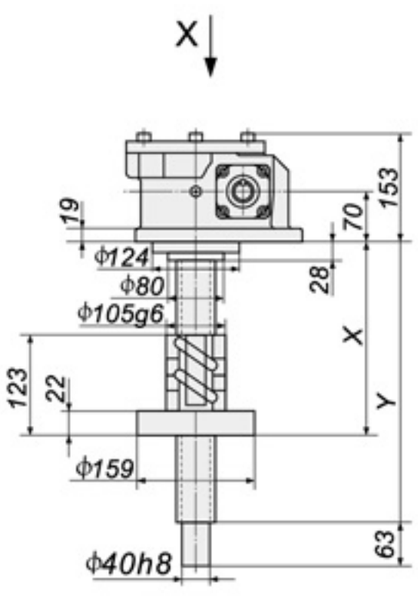


M





JWB150UR



JWB150DR

行程(mm) Journey	U R			
	X		Y	m (kg)
	MIN	MAX		
100	201	301	412	41
200	201	401	512	42
300	201	501	612	43
400	201	601	712	45
500	201	701	812	46
600	201	801	912	47
800	201	1001	1112	50
1000	201	1201	1312	53
1200	201	1401	1512	55

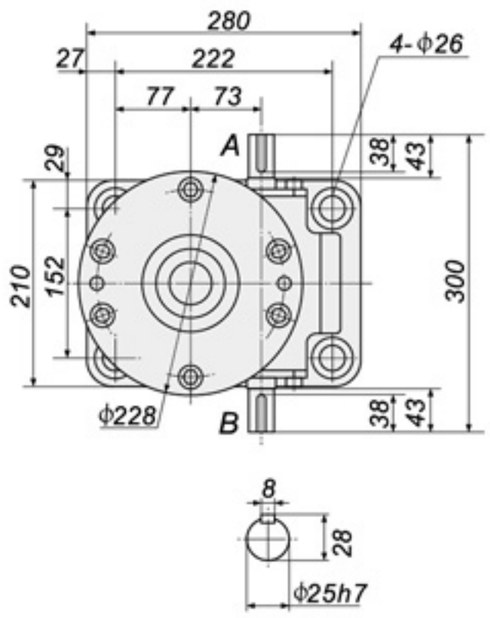
行程(mm) Journey	D R			
	X		Y	m (kg)
	MIN	MAX		
100	161	261	272	41
200	161	361	372	42
300	161	461	472	43
400	161	561	572	45
500	161	661	672	46
600	161	761	772	47
800	161	961	972	50
1000	161	1161	1172	53
1200	161	1361	1372	55

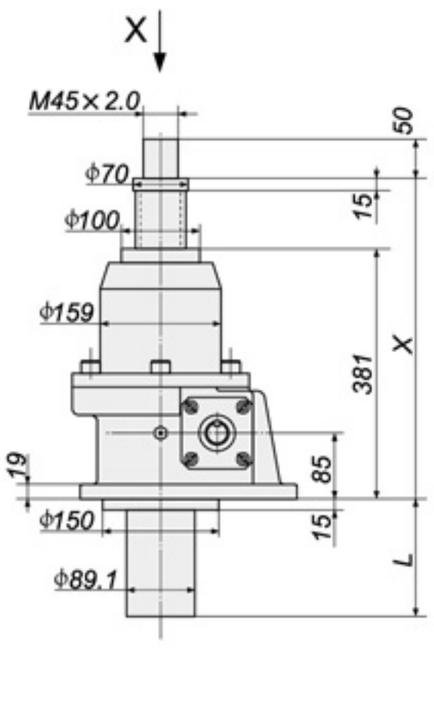
注：X(1)为加防尘罩时尺寸。

Note: "X(1)" is the dimension of jack with dust hood.

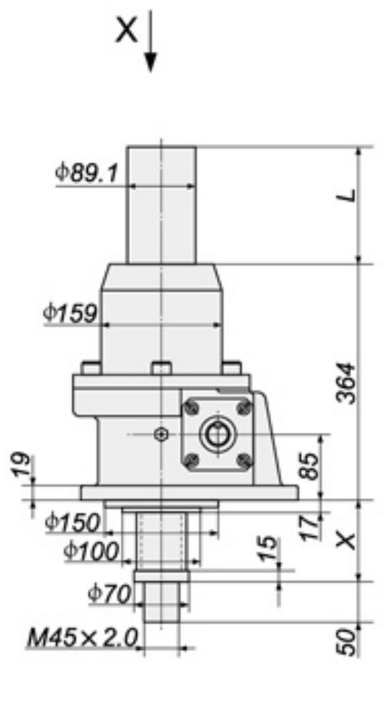
外形尺寸图表
Outline dimension sheet of jack

JWB200





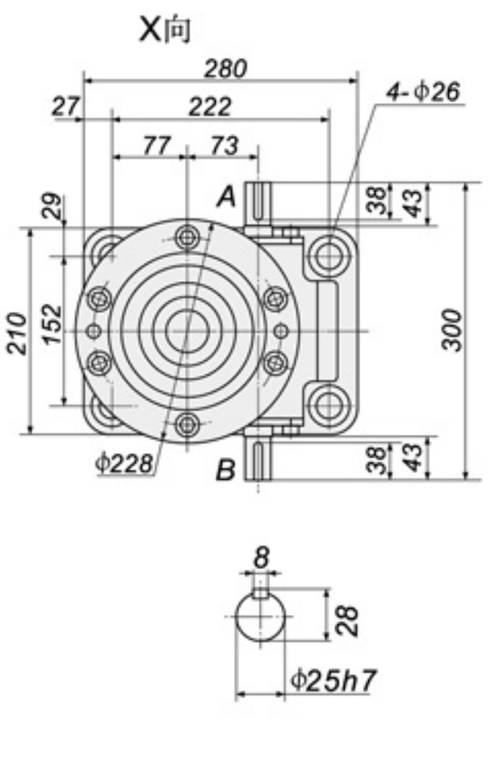
JWB200US

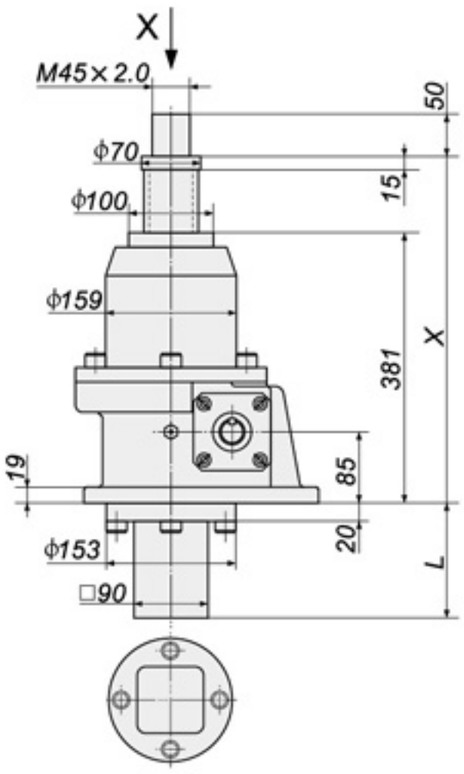


JWB200DS

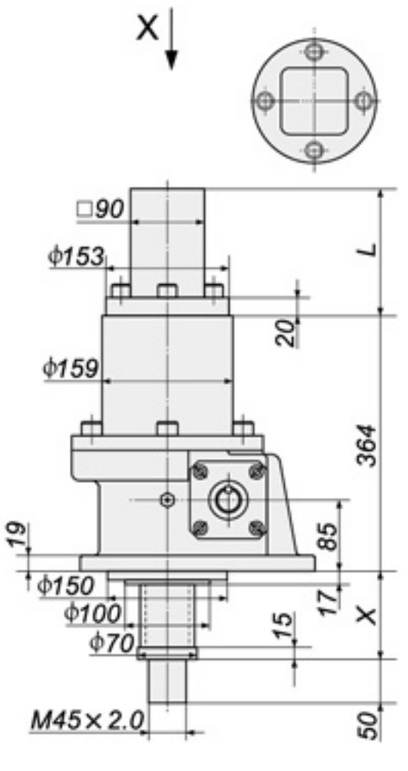
行程(mm) Journey	U S X MIN	U S X MAX	U S X(1) MIN	U S X(1) MAX	U S L	U S m (kg)
100	406	506	416	516	151	65
200	406	606	416	616	252	68
300	406	706	431	731	366	72
400	406	806	431	831	466	76
500	406	906	456	956	591	80
600	406	1006	456	1056	691	83
800	406	1206	471	1271	906	90
1000	406	1406	481	1481	1116	97
1200	406	1606	506	1706	1357	105

行程(mm) Journey	D S X MIN	D S X MAX	D S X(1) MIN	D S X(1) MAX	D S L	D S m (kg)
100	42	142	52	152	151	65
200	42	242	52	252	252	68
300	42	342	67	367	366	72
400	42	442	67	467	466	76
500	42	542	92	592	591	80
600	42	642	92	692	691	83
800	42	842	107	907	906	90
1000	42	1042	117	1117	1116	97
1200	42	1242	142	1342	1357	105





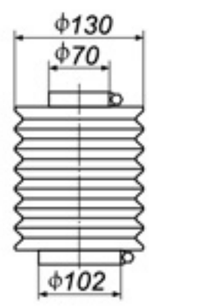
JWB200UM



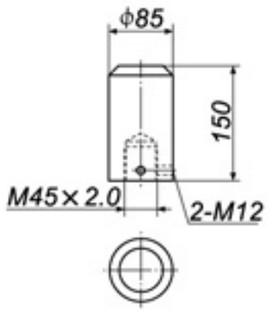
JWB200DM

行程(mm) Journey	U M X MIN	U M X MAX	U M X(1) MIN	U M X(1) MAX	U M L	U M m (kg)
100	406	506	416	516	230	72
200	406	606	416	616	330	76
300	406	706	431	731	445	80
400	406	806	431	831	545	84
500	406	906	456	956	670	89
600	406	1006	456	1056	770	93
800	406	1206	471	1271	985	102
1000	406	1406	481	1481	1195	110
1200	406	1606	506	1706	1420	119

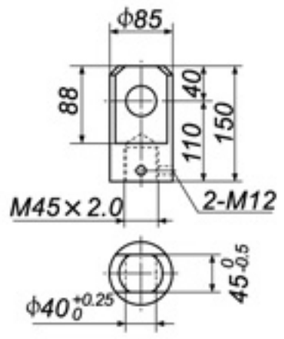
行程(mm) Journey	D M X MIN	D M X MAX	D M X(1) MIN	D M X(1) MAX	D M L	D M m (kg)
100	42	142	52	152	230	72
200	42	242	52	252	330	76
300	42	342	67	367	445	80
400	42	442	67	467	545	84
500	42	542	92	592	670	89
600	42	642	92	692	770	93
800	42	842	107	907	985	102
1000	42	1042	117	1117	1195	110
1200	42	1242	142	1342	1420	119



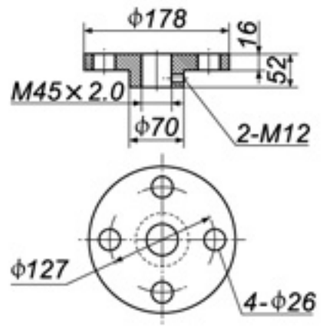
J



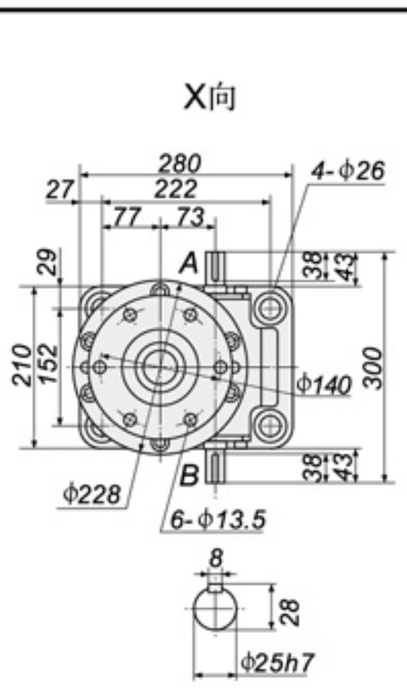
B

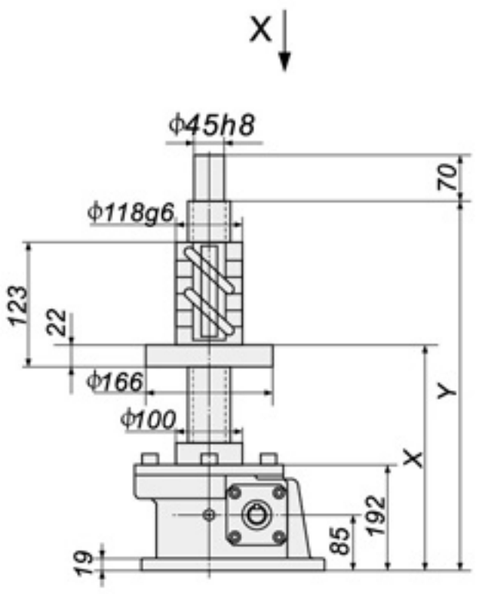


I

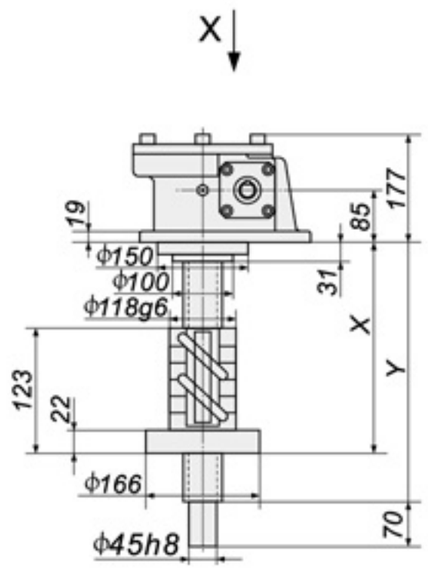


M





JWB200UR



JWB200DR

行程(mm) Journey	U R X MIN	U R X MAX	U R Y	U R m (kg)
100	224	324	435	56
200	224	424	535	58
300	224	524	635	60
400	224	624	735	62
500	224	724	835	65
600	224	824	935	67
800	224	1024	1135	71
1000	224	1224	1335	76
1200	224	1424	1535	80

行程(mm) Journey	D R X MIN	D R X MAX	D R Y	D R m (kg)
100	164	264	274	56
200	164	364	374	58
300	164	464	474	60
400	164	564	574	62
500	164	664	674	65
600	164	764	774	67
800	164	964	974	71
1000	164	1164	1174	76
1200	164	1364	1374	80

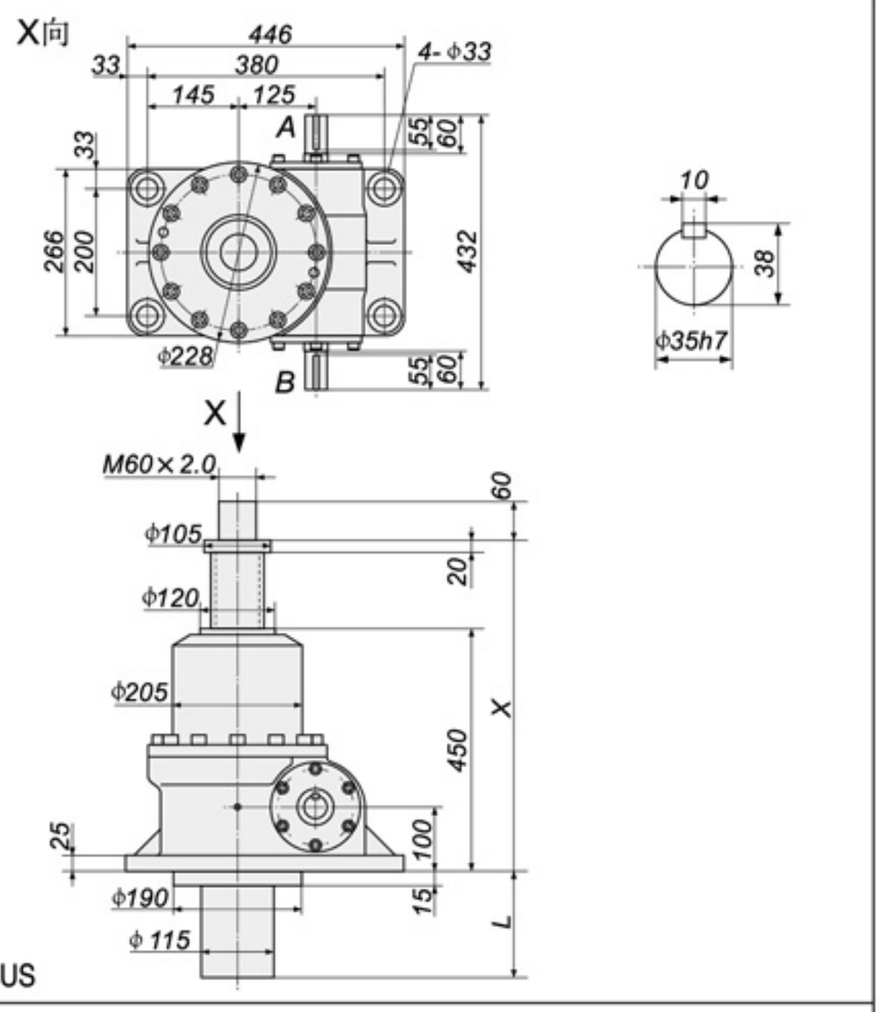
注：X(1)为加防尘罩时尺寸。

Note: "X(1)" is the dimension of jack with dust hood.

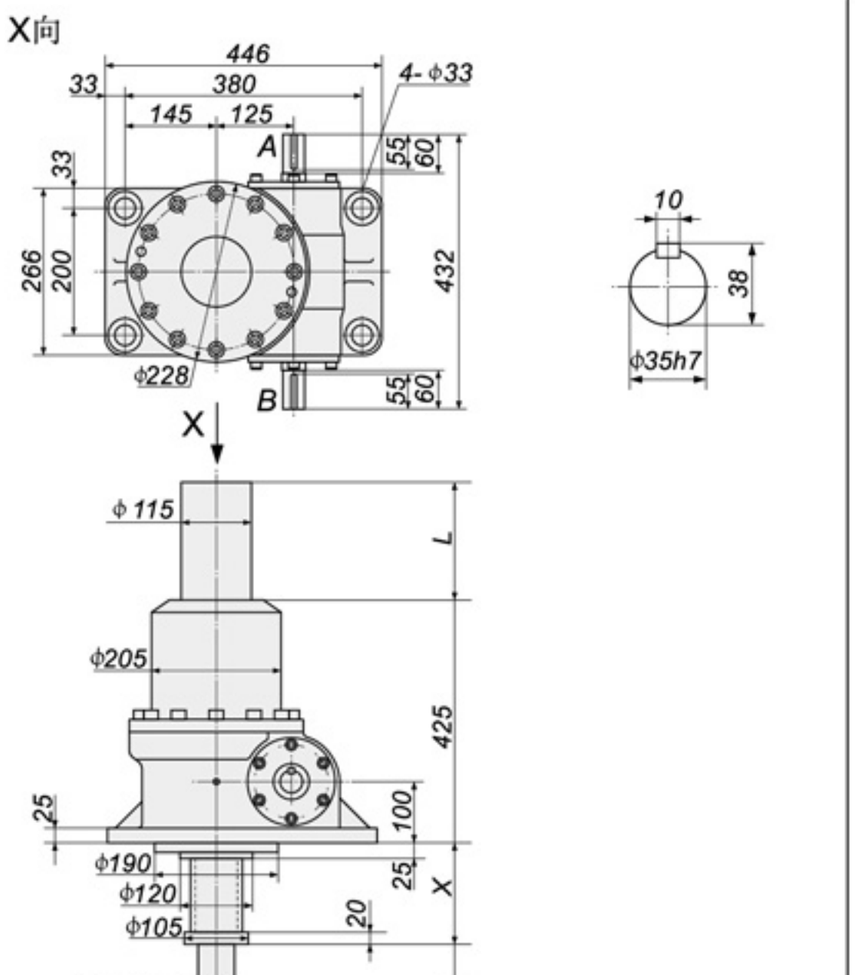


JWB300

行程(mm) Journey	U S					D S					m (kg)
	X		X(1)		L	X		X(1)		L	
	MIN	MAX	MIN	MAX		MIN	MAX	MIN	MAX		
100	480	580	490	590	160	55	155	65	165	160	153
200	480	680	490	690	260	55	255	65	265	260	159
300	480	780	505	805	375	55	355	80	380	375	166
400	480	880	505	905	475	55	455	80	480	475	172
500	480	980	520	1020	590	55	555	95	595	590	178
600	480	1080	520	1120	690	55	655	95	695	690	184
800	480	1280	535	1335	905	55	855	110	910	905	197
1000	480	1480	555	1555	1125	55	1050	130	1130	1125	210
1200	480	1680	565	1765	1335	55	1255	140	1340	1335	223
1500	480	1980	590	2090	1660	55	1555	165	1665	1660	242



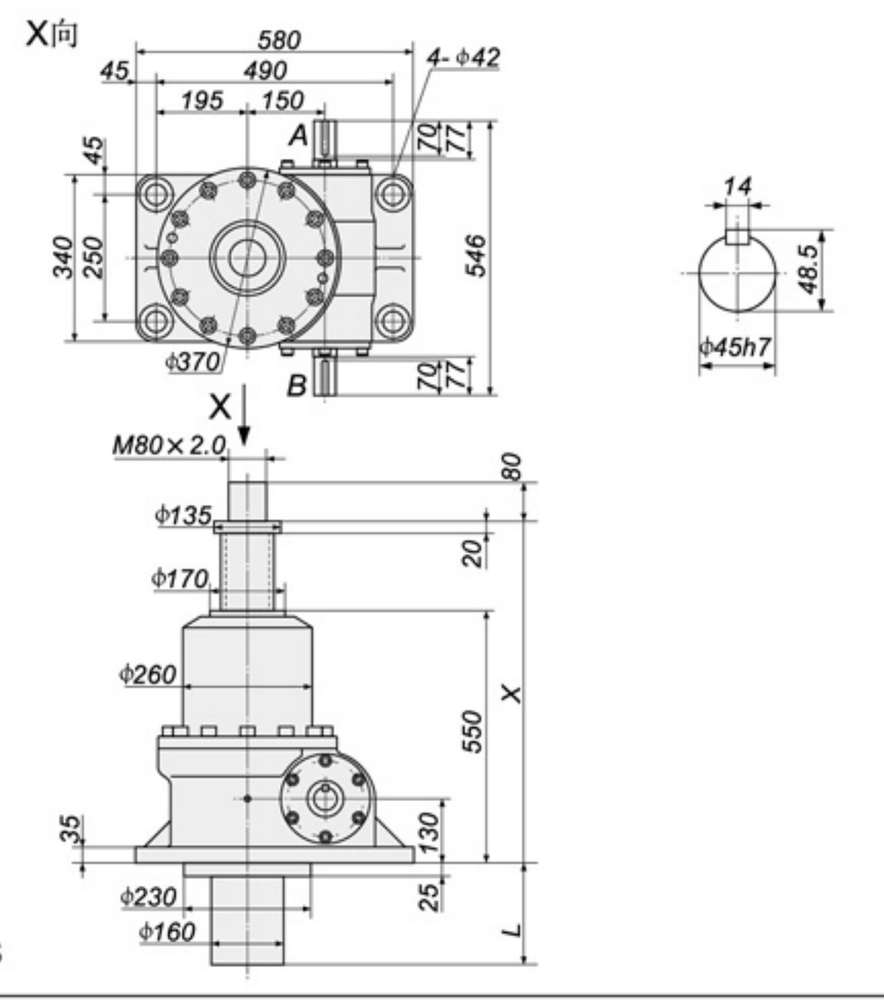
JWB300US



JWB300DS

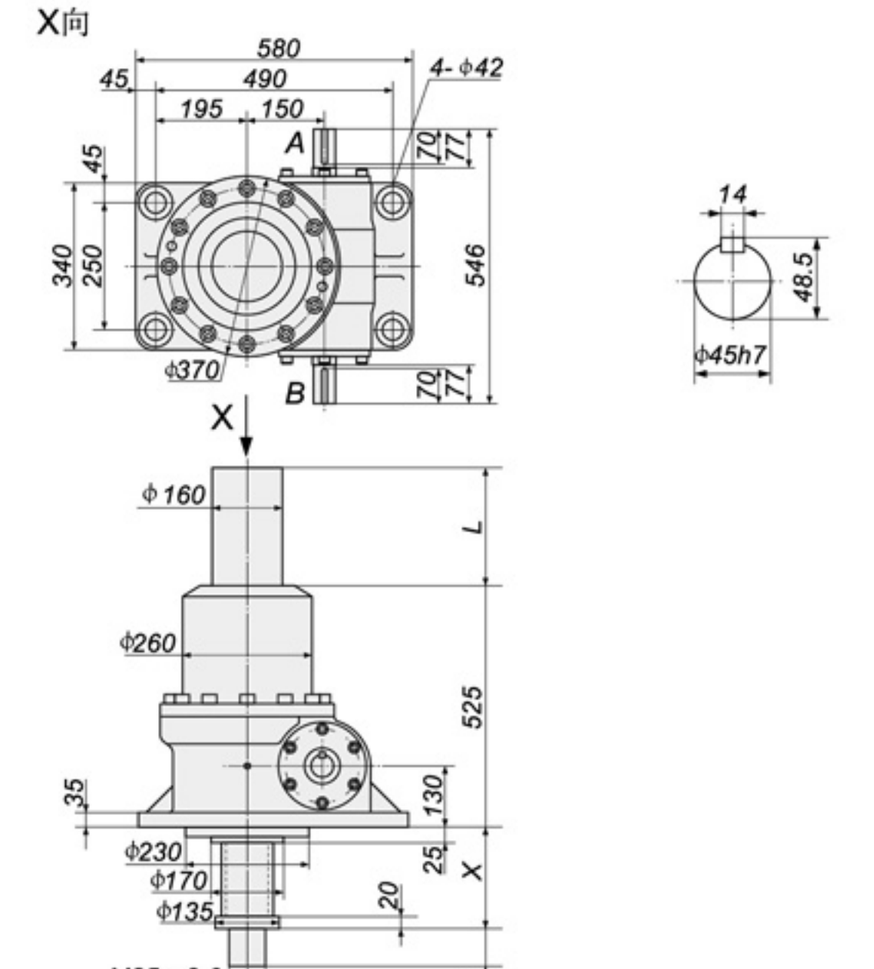
JWB500

行程(mm) Journey	U S					D S					m (kg)
	X		X(1)		L	X		X(1)		L	
	MIN	MAX	MIN	MAX		MIN	MAX	MIN	MAX		
100	580	680	585	685	165	55	155	60	160	165	310
200	580	780	585	785	265	55	255	60	260	265	320
300	580	880	605	905	385	55	355	80	380	385	330
400	580	980	605	1005	485	55	455	80	480	485	340
500	580	1080	615	1115	595	55	555	90	590	595	350
600	580	1180	615	1215	695	55	655	90	690	695	359
800	580	1380	630	1430	910	55	855	105	905	910	378
1000	580	1580	645	1645	1125	55	1055	120	1120	1125	398
1200	580	1780	655	1855	1335	55	1255	130	1330	1335	417
1500	580	2080	675	2175	1665	55	1555	150	1650	1665	446

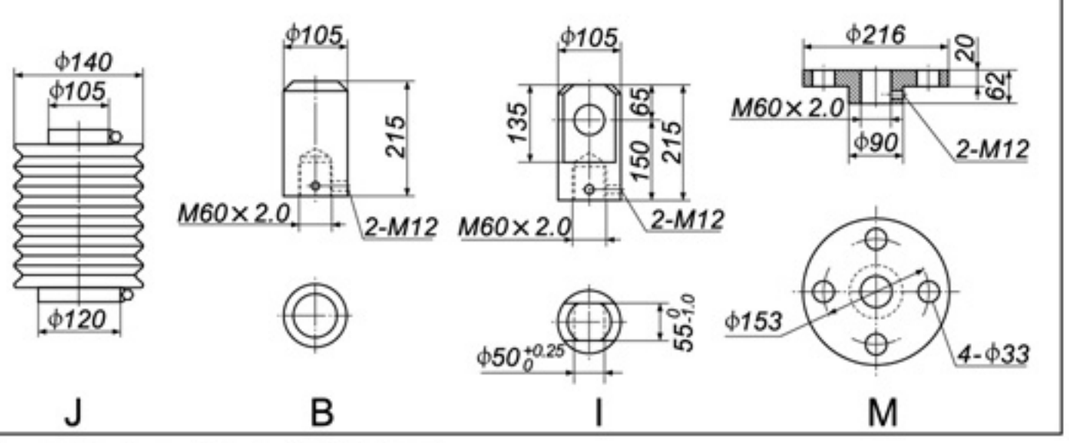


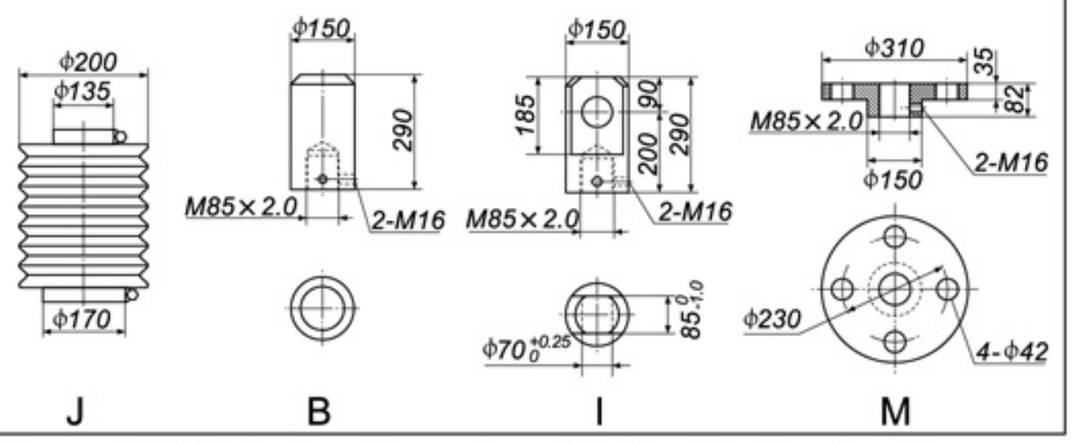
JWB500US

JWB300DS



JWB500DS





注：X(1)为加防尘罩时尺寸。

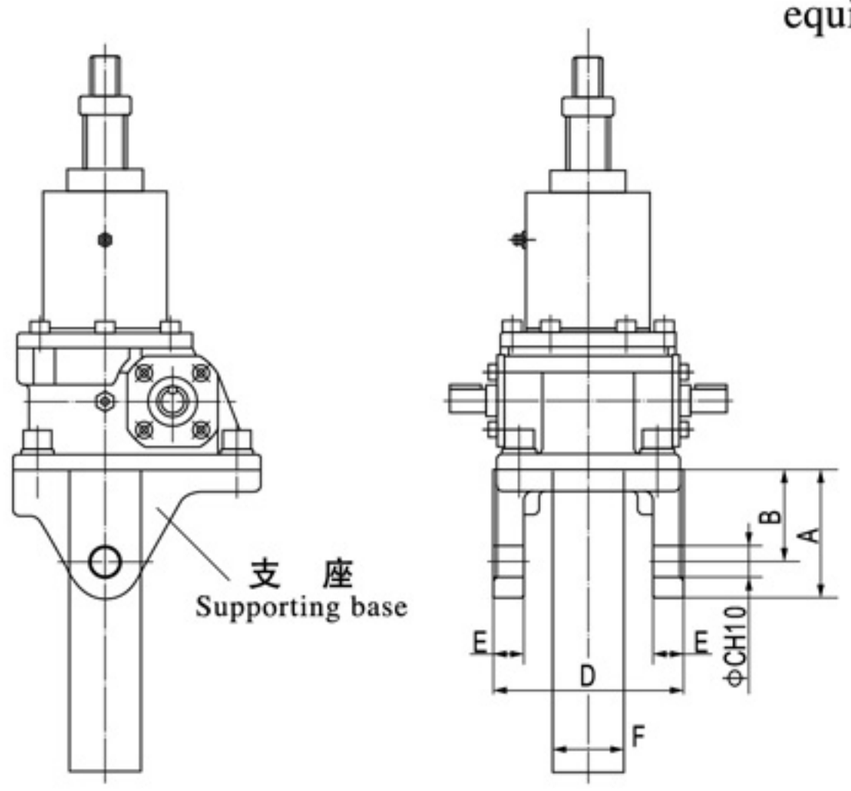
Note: "X(1)" is the dimension of jack with dust hood.

JW

附件的确认：

C型安装：

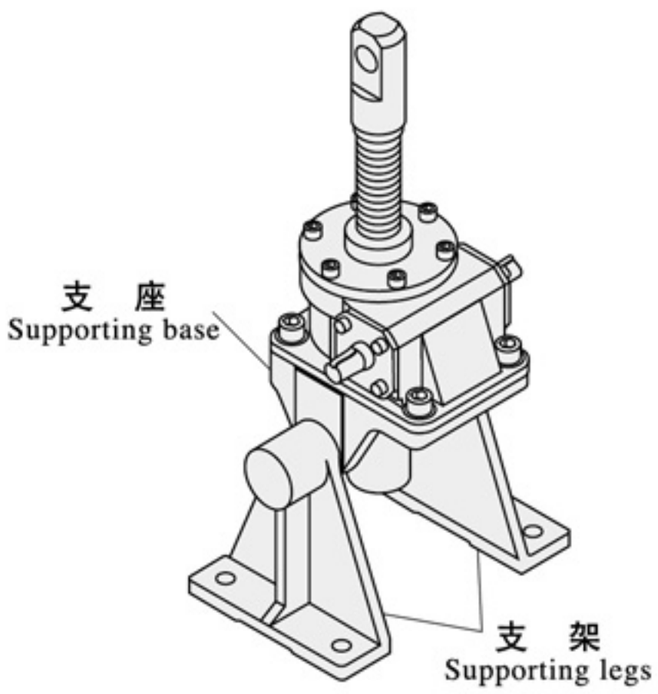
支座安装广泛应用于开关装置、倾斜装置。如图：



Accessory confirmation:

Support (Mode C mounting):

Support-mounted mode widely apply to tilting equipment.

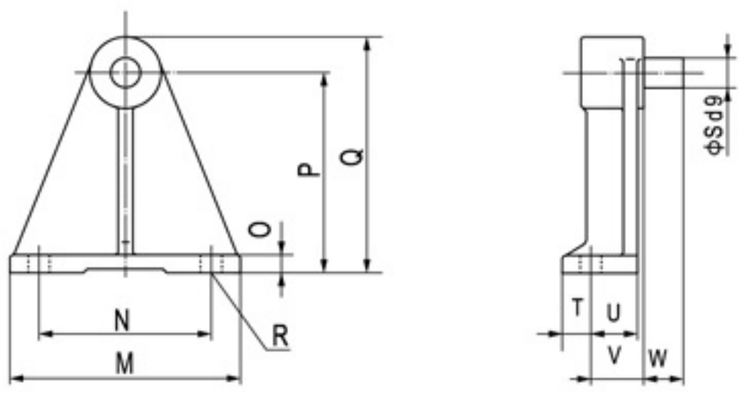


型 号	A	B	C	D	E	F
010	75	60	15	86	15	35
025	100	75	20	115	20	45
050	105	75	25	158	25	58
100	145	100	40	201	30	76.3
150	155	105	50	224	44	76.3
200	173	110	63	244	50	89.1

JW

支架

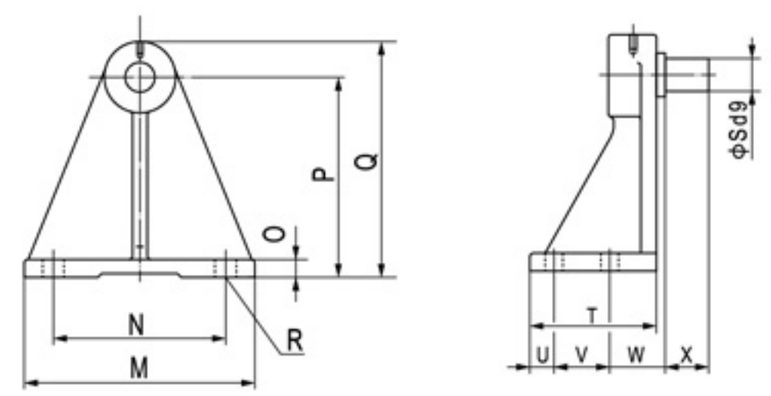
支座与支架配合，实现多方位升降。



JW010-JW050

Supporting legs:

Matching supporting base and legs realizes multi-angles lifting and lowering.



JW100-JW200

型 号	M	N	O	P	Q	R	S	T	U	V	W	X
010	180	130	15	150	178	2-Φ18	15	25	40	45	17	-
025	180	130	15	150	178	2-Φ18	20	25	40	45	30	-
050	200	150	15	170	200	2-Φ18	25	25	40	45	35	-
100	280	220	22	240	290	4-Φ22	40	159	30	70	70	55
150	360	280	27	300	360	4-Φ33	50	195	40	85	85	70
200	400	320	30	380	450	4-Φ33	63	210	40	90	90	75



手轮盘：

此件只适应于JWM型工作在冲击、振动不大的场合，请不要应用在JWB结构中。
手动操作扭矩=所需输入扭矩/手轮操作盘半径

Hand wheel:

Hand wheel only apply to JWM under light shock or vibration condition but not for JWB.

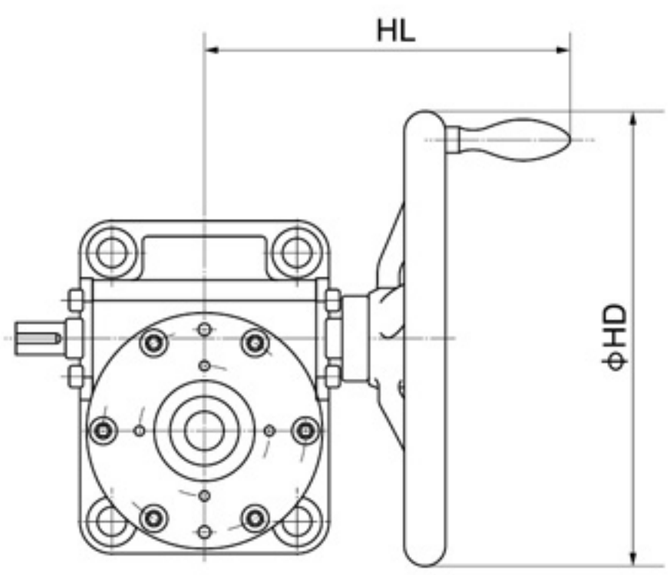
$M_{handwheel}=M_{required}/r_{handwheel}$

型号表示：

JWM025US-H200MI - NV100

升降机型号（见329页） Refer to 329页

手轮盘型号 Hand wheel mode





尺寸表： Dimension sheet: (mm)

型号 Type	NV80		NV100		NV200		NV250		NV450	
	HD	HL	HD	HL	HD	HL	HD	HL	HD	HL
JWM010	80	122	100	125	—	—	—	—	—	—
JWM025	—	—	100	140	200	198	—	—	—	—
JWM050	—	—	—	—	200	221	250	229	—	—
JWM100	—	—	—	—	—	—	250	242	450	295
JWM150	—	—	—	—	—	—	250	247	450	300
JWM200	—	—	—	—	—	—	—	—	450	304

注：手轮为外购件，以定货时实物尺寸为准。

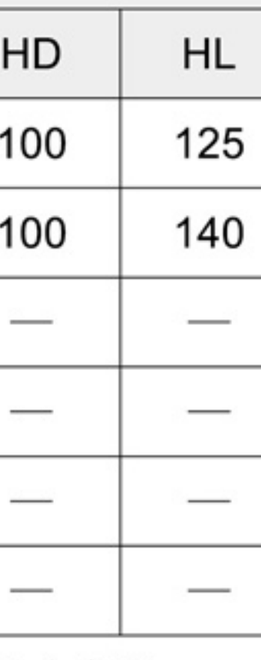
Note: The dimension of hand wheel is subject to product purchased from other factories.

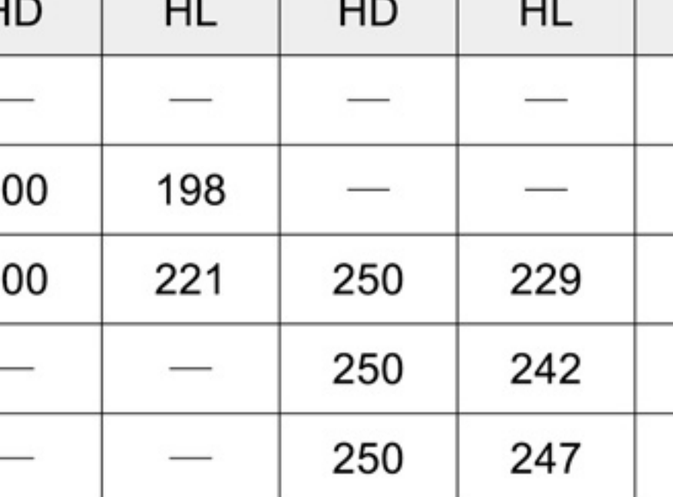
双头输出：

适用于开闭装置、反转装置。

Double end output:
Apply to open and close devices,reversing devices.







JW

组合型式：

电机直联：

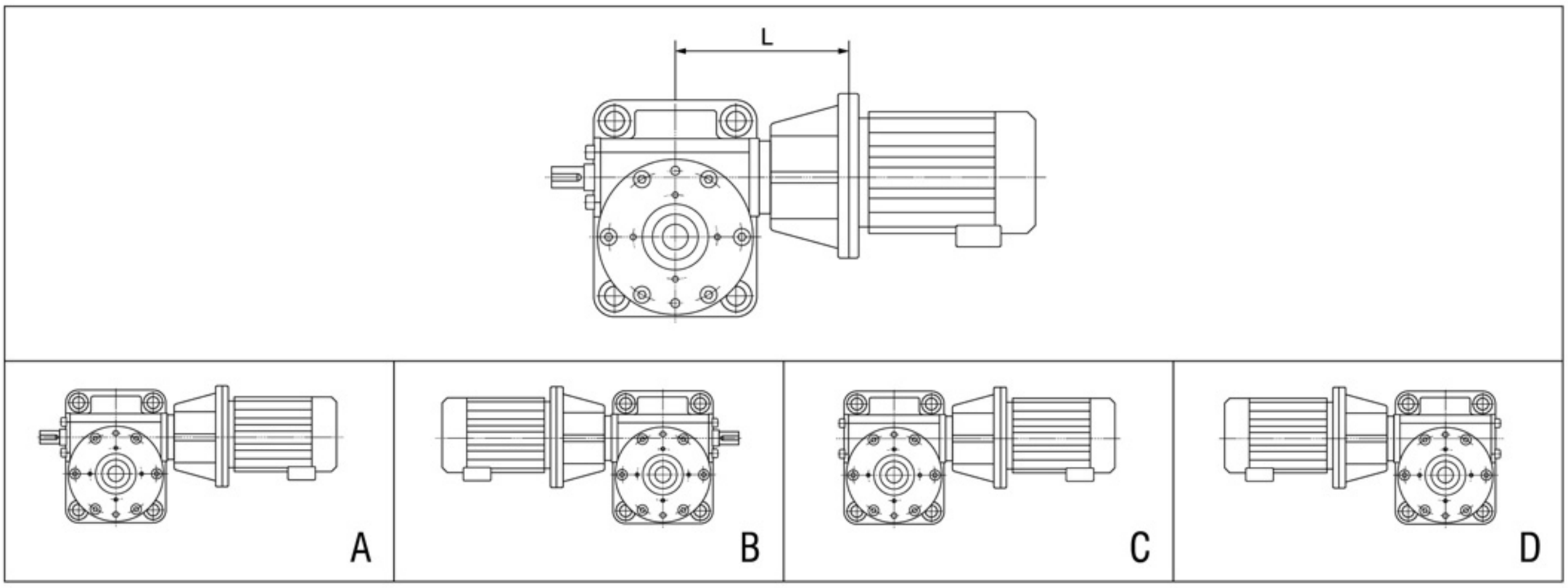
Combination of JW series:

Direct-connected-motor:

型号表示 Illustration of types:

JWM050US－H200MI － Y － 0.55 － A

升降机型号（见329页） Refer to 329页	电机代号 Motor mode	电机功率 Motor power	配置形式 Combination



JW

型号	JWM010				JWM025						JWM050					
电机功率 (kW) Motor Power	0.12	0.18	0.25*	0.37*	0.12	0.18	0.25	0.37	0.55*	0.75*	0.25	0.37	0.55	0.75	1.1*	1.5*
L (mm)	136				142						170					

型号	JWM100						JWM150						JWM200					
电机功率 (kW) Motor Power	0.37	0.55	0.75	1.1	1.5	2.2*	0.55	0.75	1.1	1.5	2.2*	3*	0.75	1.1	1.15	2.2	3	4*
L (mm)	225						232						260					

注：1.电机功率的选择应符合传动能力表；
2.表中所列功率为4极电机功率；
3.当与所联电机为6极或标有“*”的电机为变频、制动时，因电机过重，应选择带有底脚安装的电机。

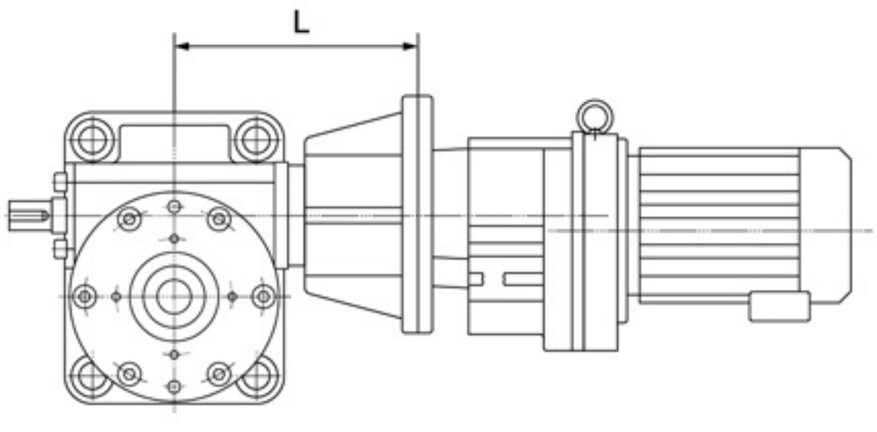
Note: 1. Motor power must accord with JM basic parameter table.
2. 4-pole motor power are available in the table.
3. 6-pole motors or “*” frequency conversion and braking motors should be foot-mounted for their heavy weight.

与减速电机组合式 Combination with gear motor:

型号表示 Illustration of types:

JWM050US－H200MI－ R37－5－Y－0.55 － A

见329页 Refer to 329页	见减速机表示方法 Illustration of the gear motor	配置形式 Combination

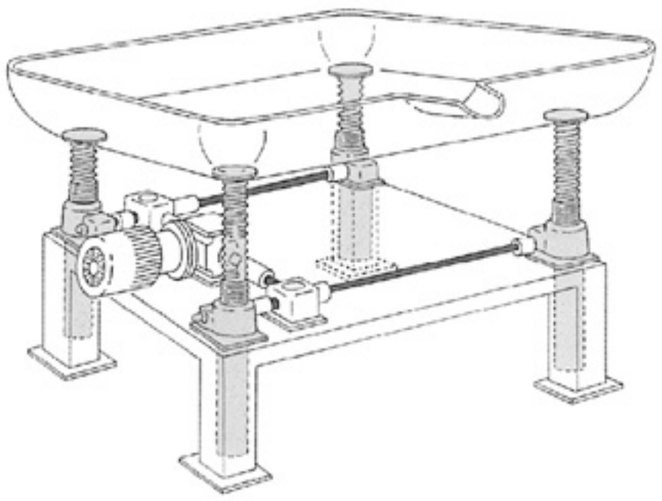


注：当直联的减速电机重量过重时，请咨询我司。 Note: If gear motor is over weight, consult us please.

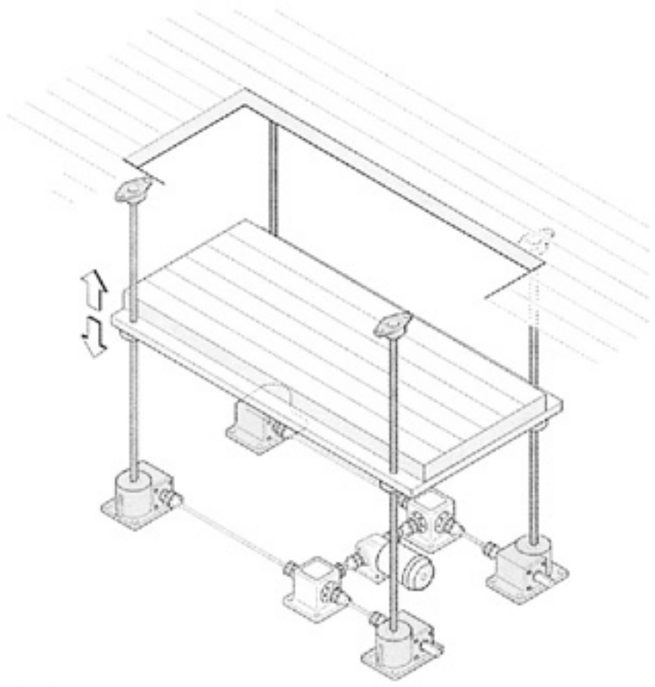


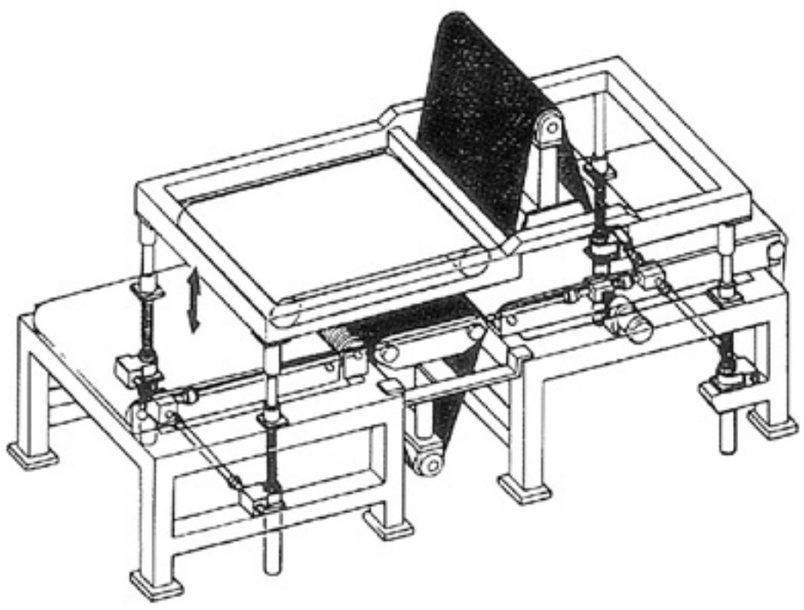
应用举例

Application example:

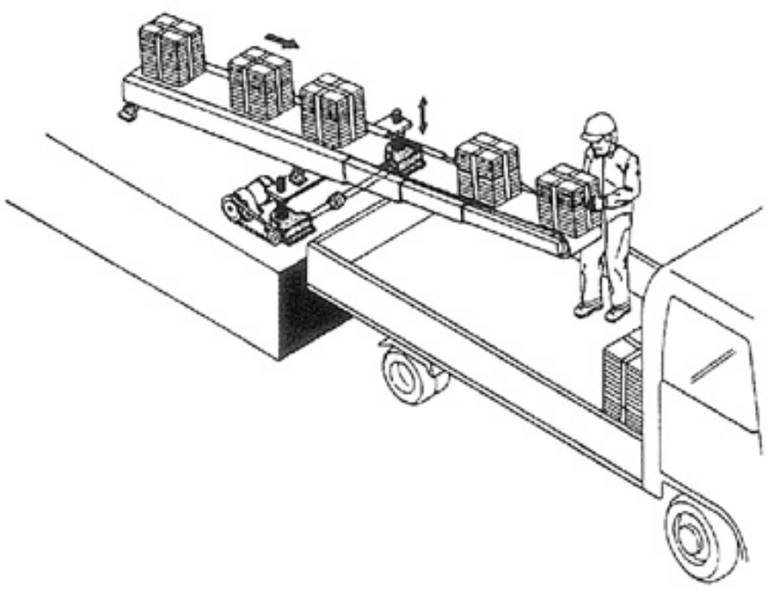


平台升降
Ascending and descending of flat slab

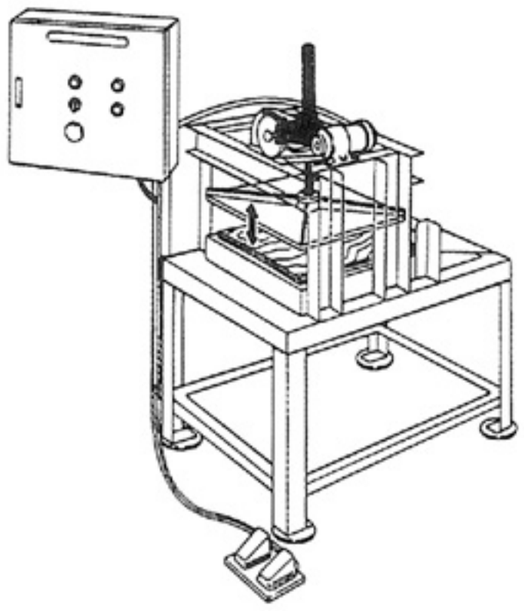




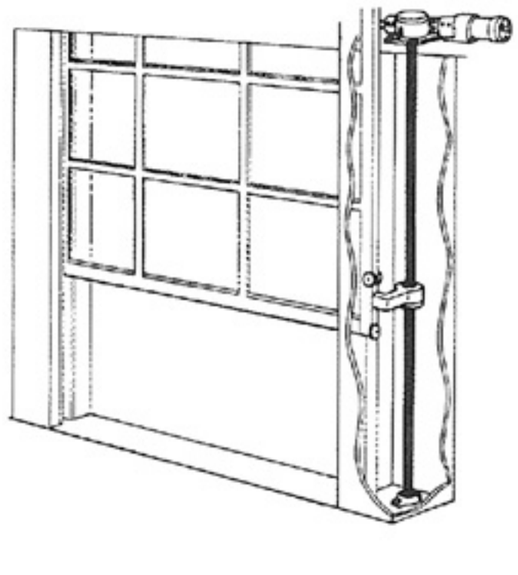
调整表面加工机的工作高度
Adjust operation height of surface machining tool



调整滑动传送带的倾斜程度
Adjust inclination pitch of conveyer apron



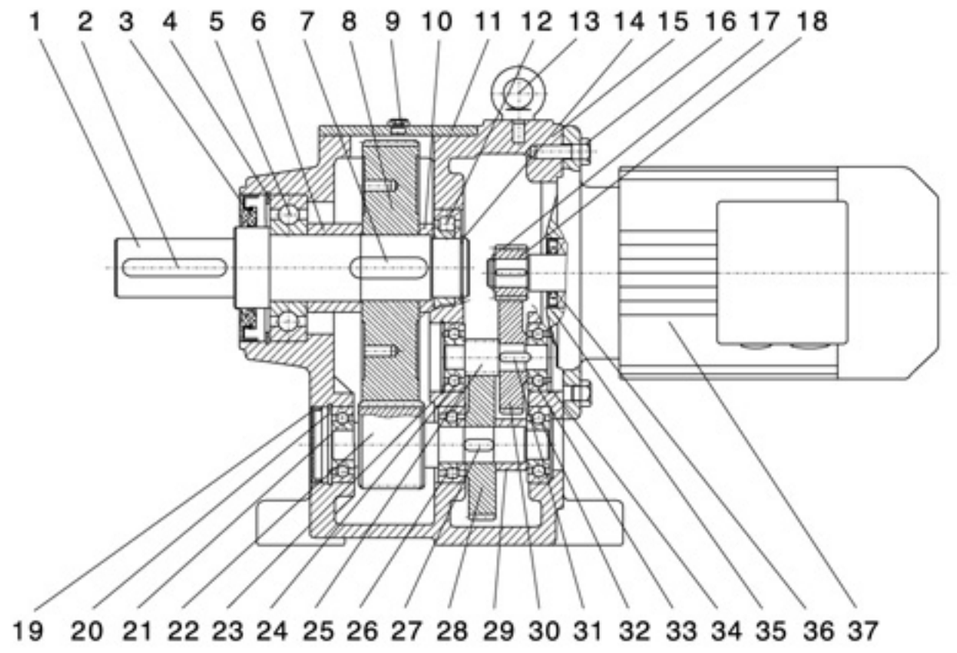
更改校正器的作业高度
Operation height of straightening machine



大型窗户（门）自动开关
Automatic switch on large windows (doors)

JW

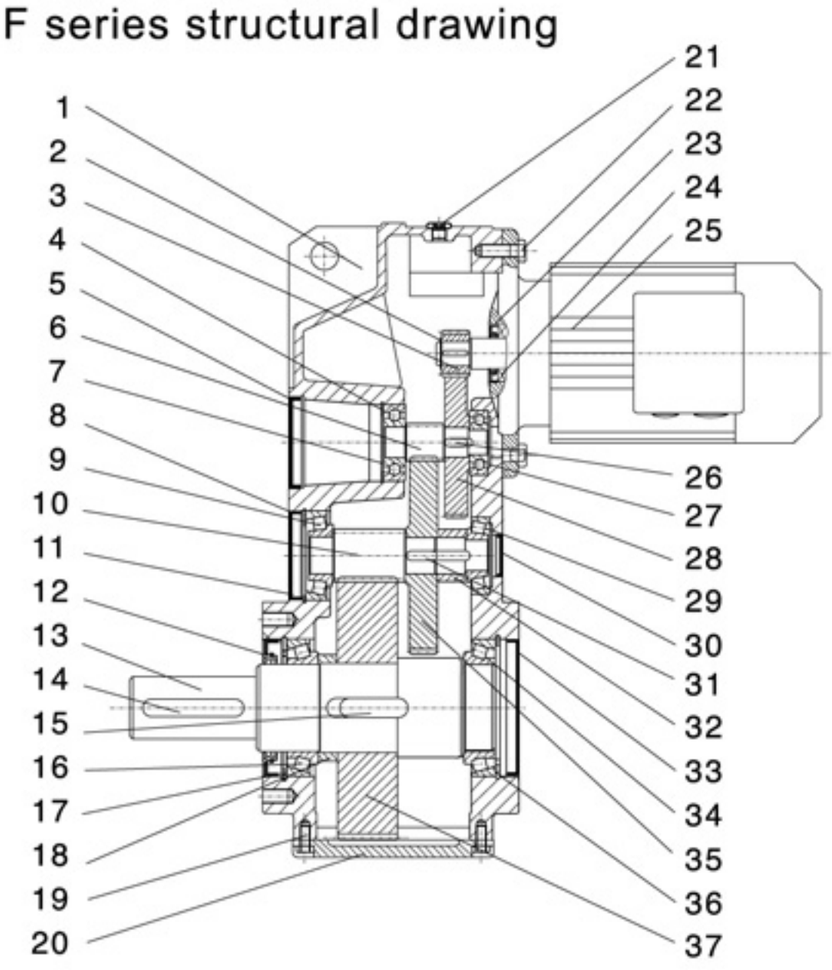
一. R系列结构图
R series structural drawing



1.输出轴
2.平键 I
3.输出轴油封
4.孔用挡圈 I
5.轴承 I
6.轴套 I
7.平键II
8.齿轮III
9.通气帽
10.轴套II
11. 盖
12.轴承II
13.吊环
14.轴用挡圈 I
15.箱体
16.螺栓
17.轴用挡圈II
18.输入齿轮
19.封盖
20.孔用挡圈 II
21.轴承III
22.齿轮轴III
23.孔用挡圈III
24.轴承IV
25.齿轮轴II
26.轴承 V
27.平键III
28.齿轮II
29.轴套III
30.齿轮 I
31.平键IV
32.轴承VI
33.轴承VII
34.孔用挡圈IV
35.电机油封
36.电机轴承
37.电机

1.Output shaft
2.Parallel key
3.Output shaft seal
4.Circlip I
5.Bearing I
6.Bush I
7.Parallel key II
8.Gear III
9.Breather valve
10.Bush II
11.Cover
12.Bearing II
13.Hoisting ring
14.Circlip II
15.Housing
16.Bolts
17.Circlip II
18.Input gear
19.Cover
20.Circlip II
21.Bearing III
22.Gear shaft III
23.Circlip III
24.Bearing IV
25.Gear shaft II
26.Bearing V
27.Parallel key III
28.Gear II
29.Bush III
30.Gear I
31.Parallel key IV
32.Bearing VI
33.Bearing VIII
34.Circlip IV
35.Motor seal
36.Motor bearing
37.Motor

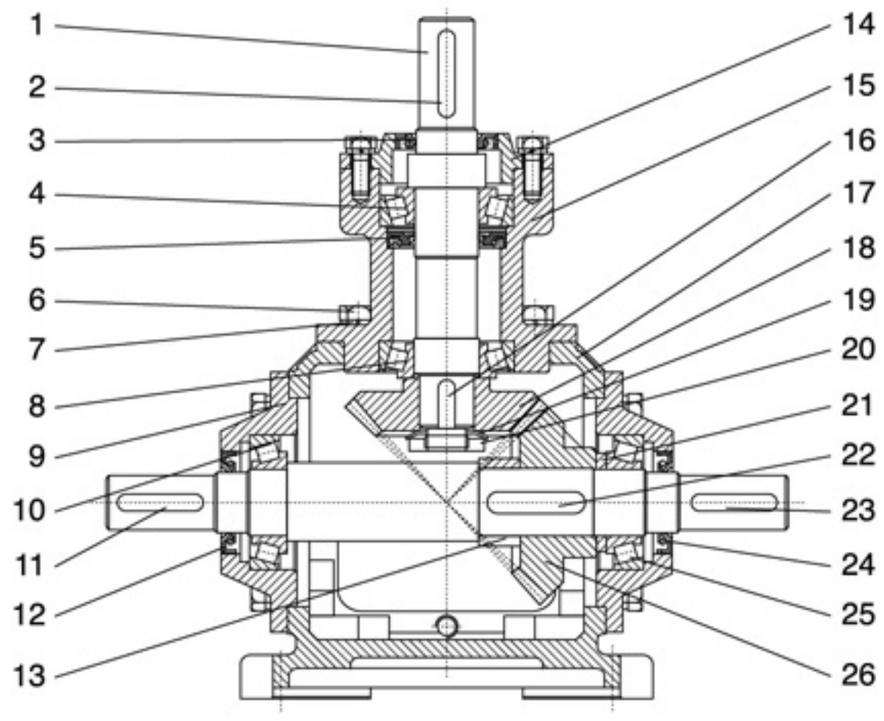
二. F系列结构图
F series structural drawing



1.箱体
2.轴用挡圈 I
3.输入齿轮
4.孔用挡圈 I
5.封盖 I
6.齿轮轴II
7.轴承 I
8.封盖II
9.轴承II
10.齿轮轴III
11.孔用挡圈II
12.输出轴油封
13.输出轴
14.平键 I
15.平键II
16.轴承III
17.孔用挡圈III
18.轴套III
19.螺栓
20. 盖
21.通气帽
22.螺栓
23.电机油封
24.电机轴承
25.电机
26.平键III
27.轴承IV
28.齿轮 I
29.轴承 V
30.封盖III
31.平键IV
32.轴套II
33.封盖IV
34.轴承VI
35.齿轮II
36.孔用挡圈IV
37.齿轮III

1.Housing
2.Circlip I
3.Output gear
4.Circlip I
5.Cover
6.Gear shaft II
7.Bearing I
8.Cover II
9.Bearing II
10.Gear shaft III
11.Circlip II
12.Output shaft seal
13.Output shaft
14.Parallel key I
15.Parallel key II
16.Bearing III
17.Circlip III
18.Bush III
19.Bolts
20.Cover
21.Breather valve
22.Bolts
23.Motor seal
24.Motor bearing
25.Motor
26.Parallel key III
27.Bearing IV
28.Gear I
29.Bearing V
30.Cover III
31.Parallel key IV
32.Bush II
33.Cover IV
34.Bearing VI
35.Gear II
36.Circlip IV
37.Gear III

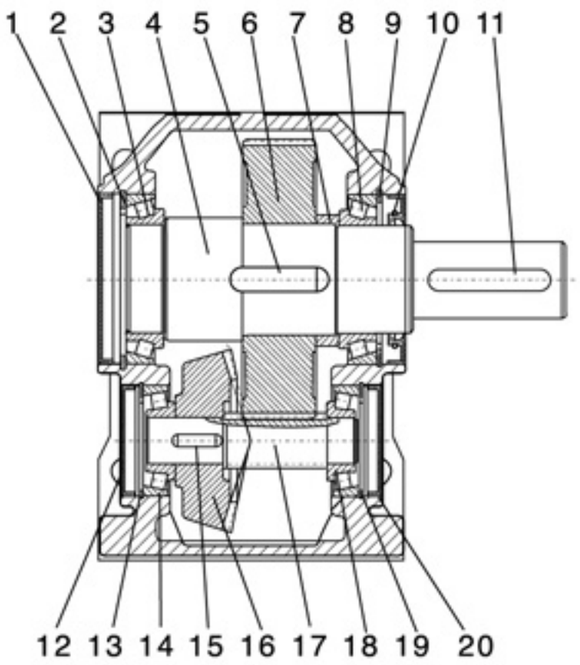
三. T系列结构图
T series structural drawing

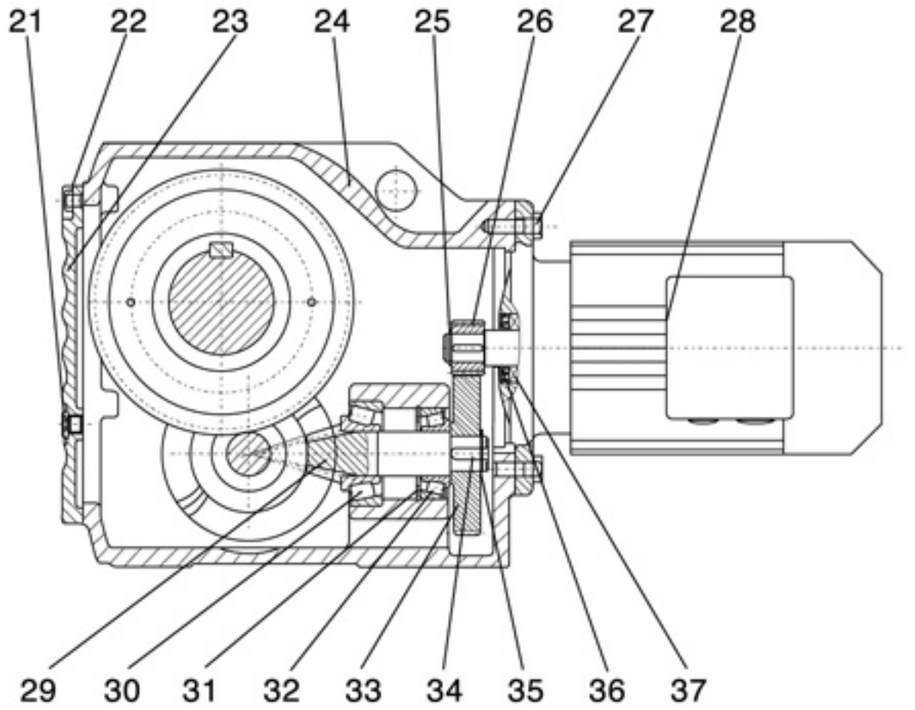


1.输入轴
2.平键 I
3.输入轴油封
4.轴承 I
5.输入轴油封
6.螺栓
7.弹簧垫圈
8.轴承II
9.输出法兰
10.输承III
11.平键II
12.输出轴油封 I
13.调整垫II
14.输入法兰盖
15.输入法兰
16.平键III
17.箱体
18.输入弧齿锥齿轮
19.止动垫圈
20.圆螺母
21.调整垫 I
22.平键IV
23.平键 V
24.输出轴油封II
25.轴承IV
26.输出弧齿锥齿轮

1.Input shaft
2.Parallel key I
3.Input shaft seal
4.Bearing I
5.Input shaft seal
6.Bolts
7.Washer
8.Bearing II
9.Output flange
10.Bearing III
11.Parallel key II
12.Output shaft seal I
13.Ring II
14.Input flange cover
15.Input flange
16.Parallel key III
17.Housing
18.Input helical -bevel gear
19.Washer
20.Round screw nut
21.Ring I
22.Parallel key IV
23.Parallel key V
24.Output shaft seal II
25.Bearing IV
26.Output helical -bevel gear

四. K系列结构图
K series structural drawing



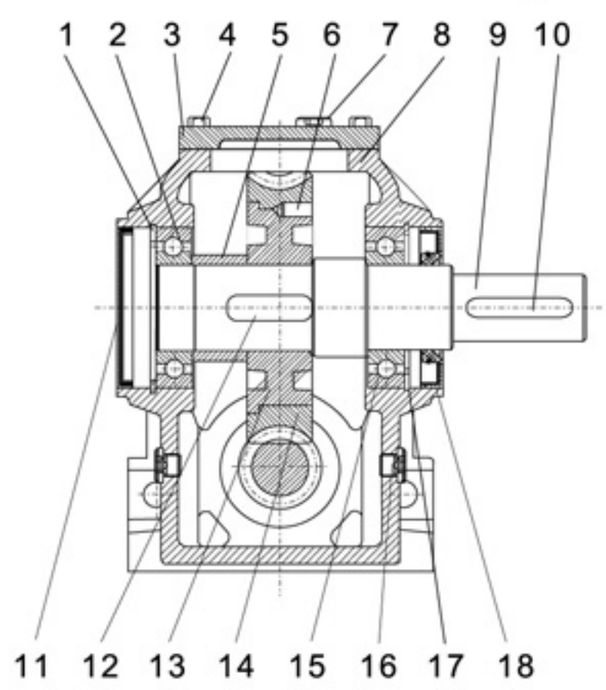


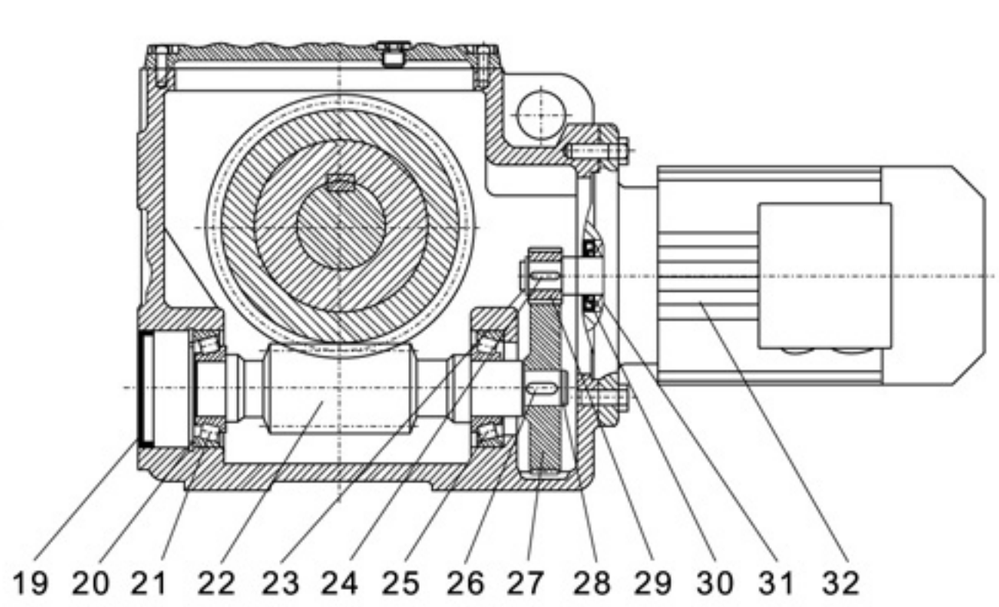
1.封盖 I
2.孔用挡圈 I
3.轴承 I
4.输出轴
5.平键 I
6.齿轮 III
7.轴套 III
8.轴承 II
9.孔用挡圈 II
10.输出轴油封
11.平键 II
12.封盖 II
13.孔用挡圈 III
14.轴承 III
15.平键 III
16.弧齿锥齿轮
17.齿轮轴 III
18.轴承 IV
19.孔用挡圈 IV
20.封盖 III
21.通气帽

22.螺栓 I
23.端盖
24.箱体
25.轴用挡圈 I
26.输入齿轮
27.螺栓 II
28.电机
29.弧齿锥齿轮轴
30.轴承 V
31.孔用挡圈 V
32.轴承 VI
33.齿轮 I
34.平键 IV
35.轴用挡圈 II
36.电机油封
37.电机轴承

1.Cover I
2.Circlip I
3.Bearing I
4.Output shaft
5.Parallel key I
6.Gear III
7.Bush III
8.Bearing II
9.Circlip II
10.Output shaft seal
11.Parallel key II
12.Cover II
13.Circlip III
14.Bearing III
15.Parallel key III
16.Helical-bevel gear
17.Gear shaft III
18.Bearing IV
19.Circlip IV
20.Cover III
21.Breather valve
22.Bolts II
23.Cover
24.Housing
25.Circlip I
26.Input gear
27.Bolts II
28.Motor
29.Helical-bevel gear shaft
30.Bearing V
31.Circlip V
32.Bearing VI
33.Gear I
34.Parallel key IV
35.Circlip II
36.Motor seal
37.Motor bearing

五. S系列结构图
S series structural drawing

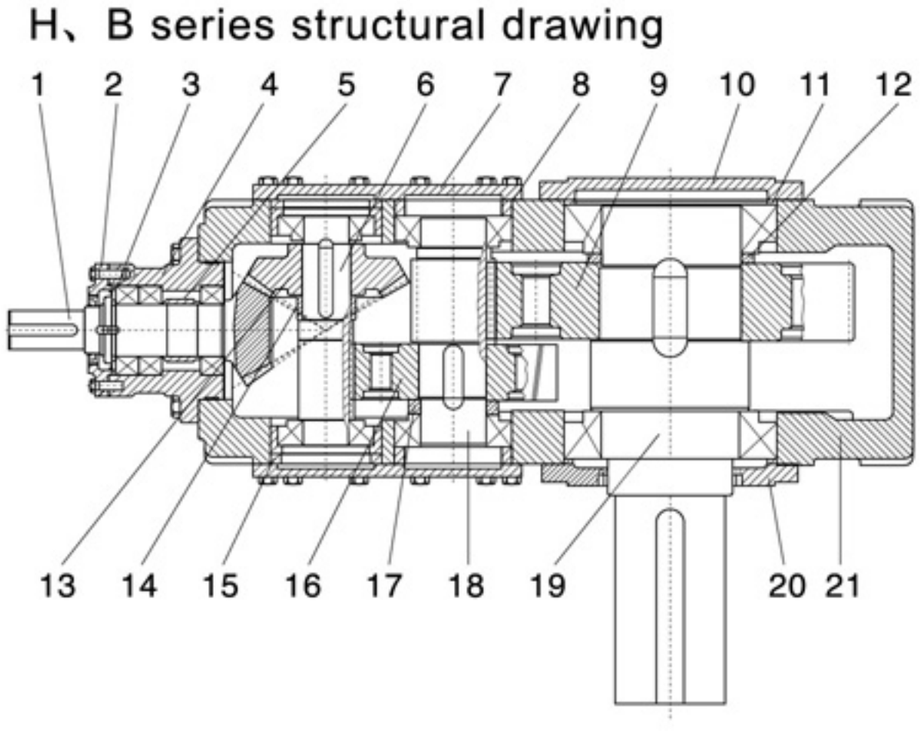




1.孔用挡圈 I
2.轴承 I
3. 盖
4.螺栓 II
5.轴套 III
6.螺钉
7.通气帽
8.箱体
9.输出轴
10.平键 I
11.封盖 I
12.平键 II
13.蜗轮芯
14.蜗轮轮缘
15.轴承 II
16.油镜
17.孔用挡圈 II
18.输出轴油封
19.封盖 II
20.孔用挡圈 III
21.轴承 III
22.蜗杆
23.轴用挡圈 I
24.平键 III
25.轴承 IV
26.平键 IV
27.齿轮 I
28.轴用挡圈 II
29.输入齿轮
30.电机油封
31.电机轴承
32.电机

1.Circlip I
2.Bearing I
3.Cover
4.Bolts II
5.Bush III
6.Screws
7.Breather valve
8.Housing
9.Output shaft
10.Parallel key I
11.Cover I
12.Parallel key II
13.Worm wheel core
14.Worm wheel edge
15.Bearing II
16.Oil sight glass
17.Circlip II
18.Output shaft seal
19.Cover II
20.Circlip III
21.Bearing III
22.Worm
23.Circlip I
24.Parallel key III
25.Bearing IV
26.Parallel key IV
27.Gear I
28.Circlip II
29.Input gear
30.Motor seal
31.Motor bearing
32.Motor

六. H、B系列结构图
H、B series structural drawing



1.弧齿锥齿轮轴
2.通盖 I
3.调整环 I
4.轴承座
5.定距环 I
6.齿轮轴 I
7.止盖 I
8.调整环 III
9.齿轮 III
10.止盖 II
11.调整环 IV
12.定距环 IV
13.弧齿锥齿轮
14.定距环 II
15.调整环 II
16.齿轮 II
17.定距环 III
18.齿轮轴 II
19.输出轴
20.通盖 II
21.机体

1.Helical-bevel gear shaft
2.Cover I
3.Ring I
4.Bearing seat
5.Ring I
6.Gear shaft I
7.Cover I
8.Ring III
9.Gear III
10.Cover II
11.Ring IV
12.Ring IV
13.Helical-bevel gear
14.Ring II
15.Ring II
16.Gear II
17.Ring III
18.Gear shaft II
19.Output shaft
20.Cover II
21.Housing

电 机

电机按标准供货，若指定或高于此标准必须说明。

Y普通三相异步电动机：

电压380V，频率50Hz（其它电压、频率需注明）

防护等级：IP44或IP54（指定IP54、IP55、IP56、IP65等需注明 ）

绝缘等级：B或F(指定F等需注明)

制动电机的制动器电压：380V或220V（指定电压或其它电压需注明)

防爆电机防爆等级：dⅡBT4(其它等级需注明)

变频电机频率范围：0-50Hz(0-60Hz、0-120Hz或指定的范围需提出)

电机的噪声、电流、效率、功率因素、额定转矩等项目按国家标准。

以下要求及附件需另行说明：

*制动电机配手释放装置

*电机的热传感器

*不带风冷或强制风冷

*配旋转编码器

*防水、防潮、防尘的要求

电机代号

四极三相异步电动机代号－Y(六极代号-Y6、八极代号-Y8、二级代号-Y2，下同)

制动电机代号－YEJ

防爆电机代号－YB

变频电机代号－YVP

多速电机代号－YD

变频制动代号－YPEJ

其它电机代号另咨询。

MOTOR

Motors comply with National standard, please state if specification of other standards needed.

Y general tri-phase asynchronous motor data: 380V, 50Hz (other voltage &frequency should be stated)

Index of performance: IP44or IP54(specification of IP54,IP55,IP56,IP65 should me stated)

Insulation class: B & F(using F should be stated)

Braking voltage of braking motor: 380V or 220V(other voltages should be stated)

Explosion-proof class: dⅡBT4(other classes should be stated)

Frequency range: 0~50Hz (0~60Hz, 0~120Hz or other range will be stated)

Noise, current, efficiency, power factor, nominal torque all comply with national standard.

The following will be specified by customers:

*Brake motor equipped with manual brake release

*Thermal sensor

*No air cooling or forced air cooling

*Installation of rotation encoder

*Water proof, damp proof, dust proof

Motor code:

Y — 4-pole tri-phase asynchronous motor (Y2 — 2-pole, Y6 — 6-pole, Y8 — 8-pole)

YEJ — Brake motor

YB — Explosion-proof motor

YVP — Frequency conversion motor

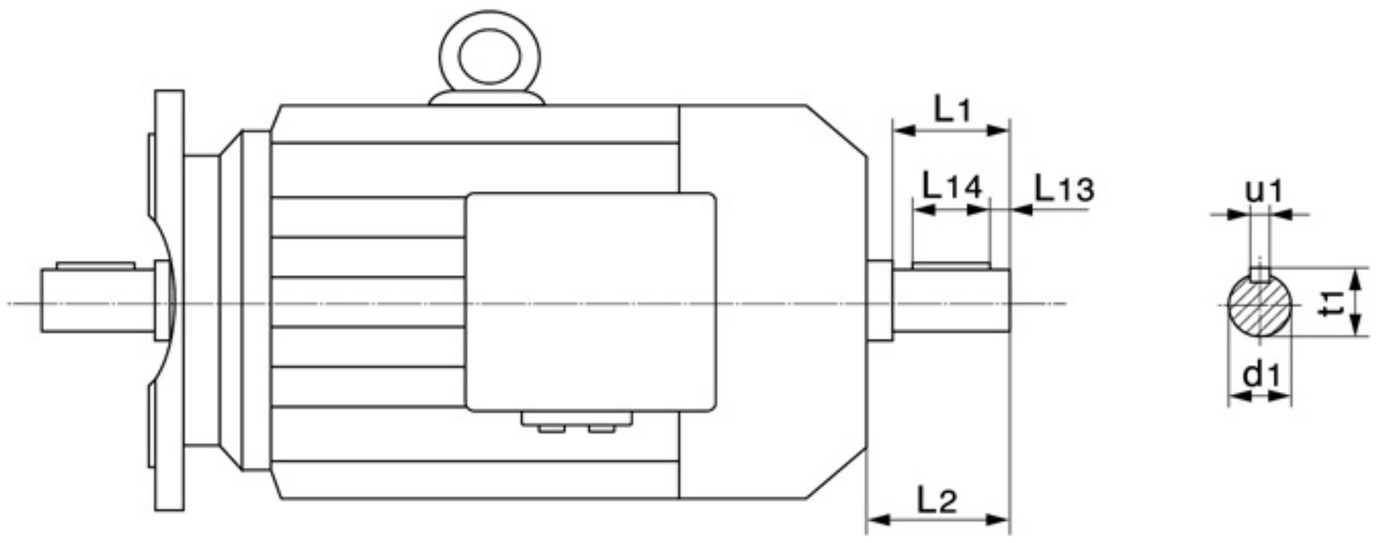
YD — Multi-speed motor

YPEJ — Frequency-conversion brake motor

Other codes are available on request.

电机双出轴：

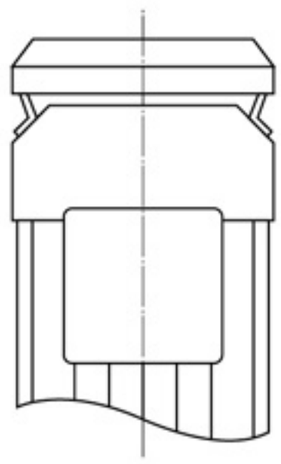
Double extended shaft motor:



	63	71	80	90/100	112	132S	132M	160L	180	200-225
d1	11	11	14	19	24	28	38	42	48	55
L1	23	23	30	40	50	60	80	110	110	110
L2	27	25	31	42	55	65	85	115	115	115
L13	3.5	1	4	4	5	5	5	10	10	10
L14	16	20	22	32	40	50	70	70	80	90
t1	12.5	12.5	16	21.5	27	31	41	45	51.5	59
u1	4	4	5	6	8	8	10	12	14	16

电机配室外防护罩：

Motor equipped with shield:



电机接线盒未注明位置一般以0°供货。

In general, position of terminal box is at angular 0° without specification.

以下只对Y、Y2的额定转速、外形长度尺寸提供一般说明。由于购买厂家不同，和配齿轮箱时法兰缩小，有时尺寸会有些变化，此处不标，其它例如直流、伺服、起重冶金高转差率电机及其它特种电机另行咨询。

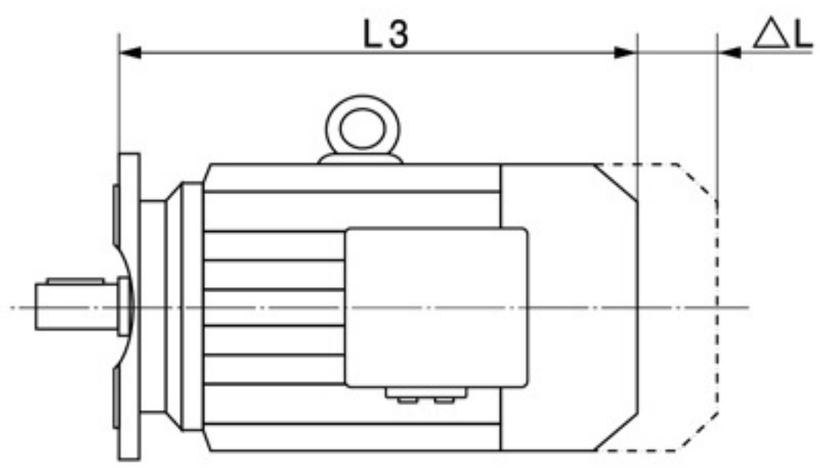
We only provide general data of Y&Y2as example as follows. For the data of DC motor, servo-motor, and other special motors, please consult us.

一般情况下Y132以下机座的普通三相异步电机以Y2系列提供，Y132以上以Y系列提供，以实际供货为准。

General 3-phase asynchronous motor belowsize 132 are provided as Y2 series, Type of motors above size 132 willbe provided as Y series.

电机功率和转速、长度尺寸表：

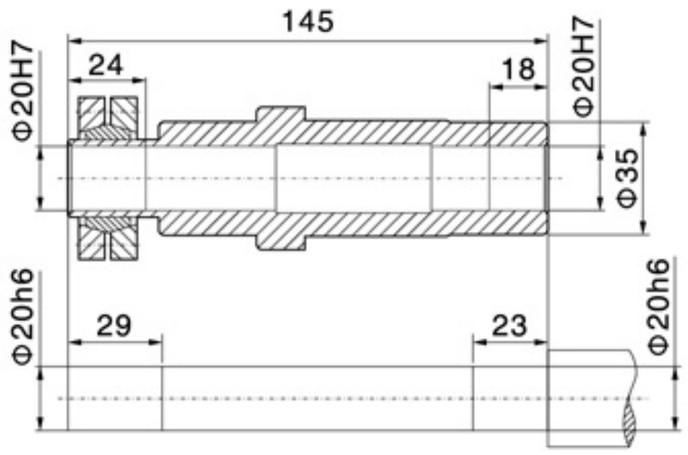
Table of Power, speed and length dimension:



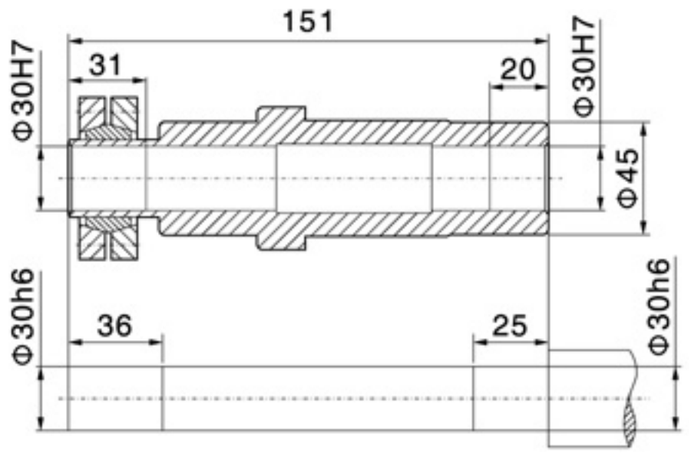
	2极 (2electrodes)		4极 (4electrodes)		6极 (6electrodes)		8极 (8electrodes)		m（kg）					配H. B. P. T. RV. JW L3（mm）				配R. S. K. F另加 △L
	Pm (kW)	nm (r pm)	Pm (kW)	nm (r pm)	Pm (kW)	nm (r pm)	Pm (kW)	nm (r pm)	(铝壳 Aluminum box)	Y	YB	YEJ	YVP	Y	YB	YEJ	YVP	
63	0.18	2720	0.12	1310					5.5				11	197	270	328		40
	0.25	2720	0.18	1310					6		15		12					
71	0.37	2740	0.25	1330	0.18	850			6.5	10	16	12	14	235	285	330		30
	0.55	2740	0.37	1330	0.25	850			7.5	10.50	16	13	15					
80	0.75	2845	0.55	1390	0.37	885	0.18	645	10	15	31	20	16	255	290	350	330	40
	1.1	2845	0.75	1390	0.55	885	0.25	645	11	16	32	21	17					
90s	1.5	2840	1.1	1390	0.75	910	0.37	670	16	20	35	27	23	270	310	370	330	50
90l	2.2	2840	1.5	1390	1.1	910	0.55	670	20	23	39	31	28	295	335	395	360	50
100	3	2860	2.2	1410	1.5	920	0.75	680		32	49	41	35	325	370	420	405	60
			3	1410			1.1	680		35	53	44	36					
112M	4	2880	4	1440	2.2	935	1.5	690		46	67	60	43	340	400	450	420	60
132S	5.5	2900	5.5	1440	3	960	2.2	705		60	93	85	63	395	430	505	450	60
	7.5	2900																
132M			7.5	1440	4	960	3	705		73	105	98	75	435	470	545	490	75
					5.5	965												
160M			11	1460	7.5	970	4	720		115	150	143	116	495	545	610	550	90
							5.5	720										
160L			15	1460	11	970	7.5	720		135	169	165	136	560	585	655	605	90
180M			18.5	1470						172	205	203	169	590	620	715	605	110
180L			22	1470	15	970	11	730		185	222	216	183	630	640	765	705	110
200			30	1470	18.5	970	15	730		253	300	296	236	665	695	790	740	110
					22	970												
225S			37	1480			18.5	730		300	360	370	291	680	705	860	730	130
225M			45	1480	30	980	22	730		335	390	405	327	705	730	890	770	135
250			55	1480	37	980	30	730		420	530	498	393	795	795		860	115
280S			75	1480	45	980	37	740		560	660	633	520	860	870		930	125
280M			90	1480	55	980	45	740		670	785	723	610	920	920		980	125
315S			110	1480	75	980				920	1000	1150	950	1010	1100		1285	
315M			132	1480	90	980				1050	1100	1230	1030	1180	1180		1380	
315L			160	1480	110	980				1160	1100	1320	1100	1200	1270		1450	
			200	1480	132	980				1240	1600	1420	1200					

S、F、K系列锁紧盘尺寸图　Dimensions of shrink disk for S、F、K series

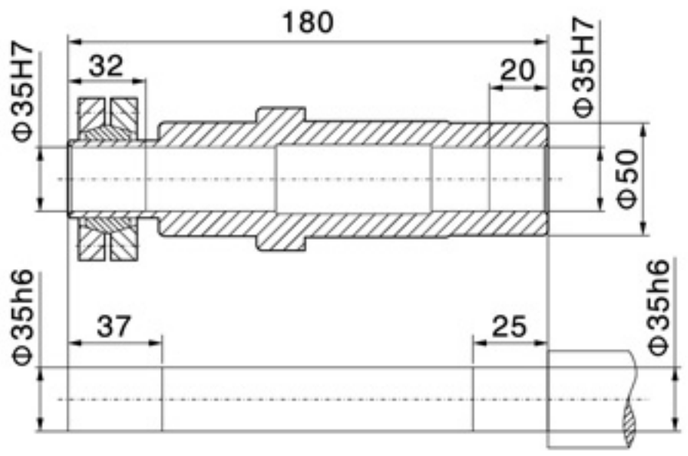
SH..37..



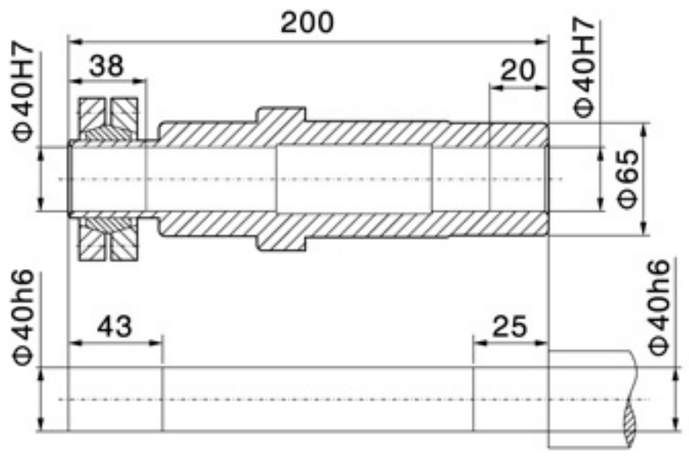
SH..47..



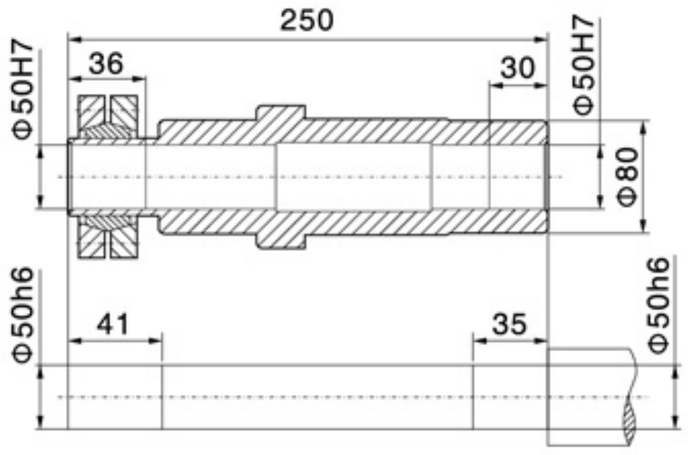
SH..57..



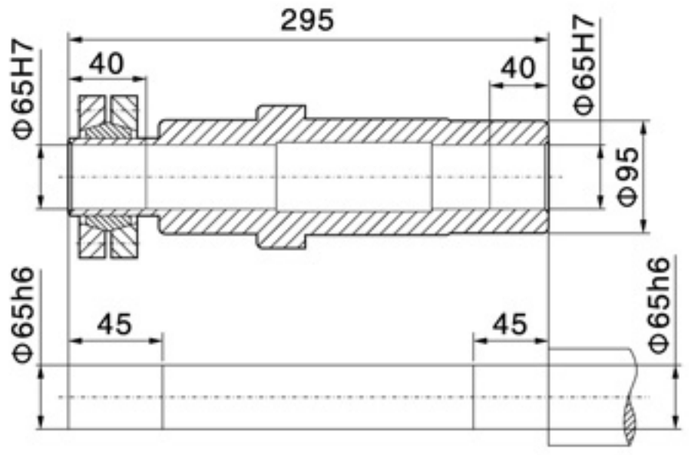
SH..67..



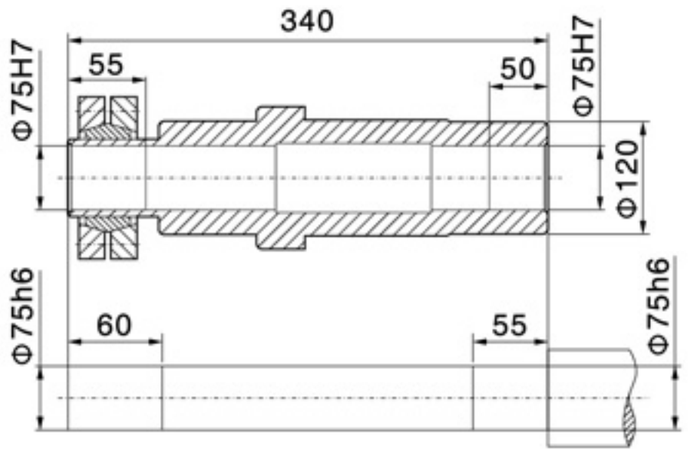
SH..77..



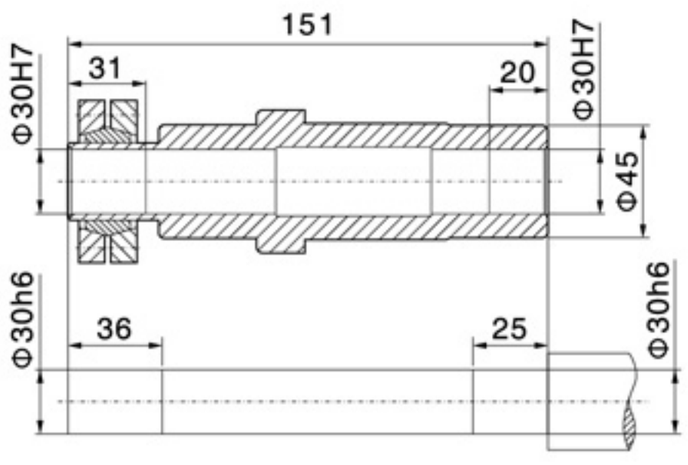
SH..87..



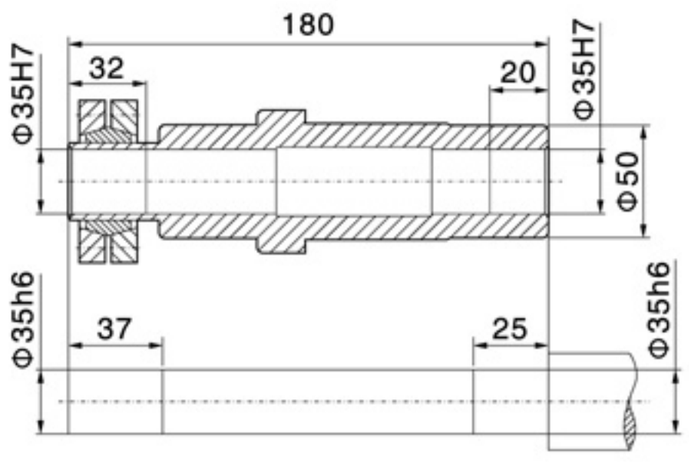
SH..97..



KH..37../FH..37..



KH..47../FH..47..

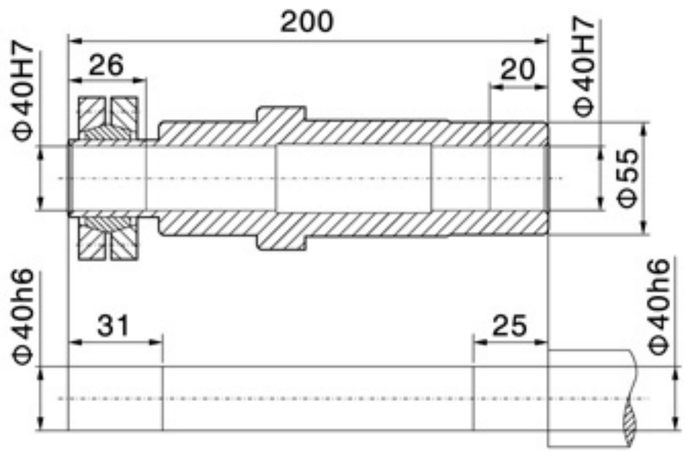


注：1.四大系列带锁紧盘型减速机除输出轴不同外，其余均同平键空心轴标准产品。

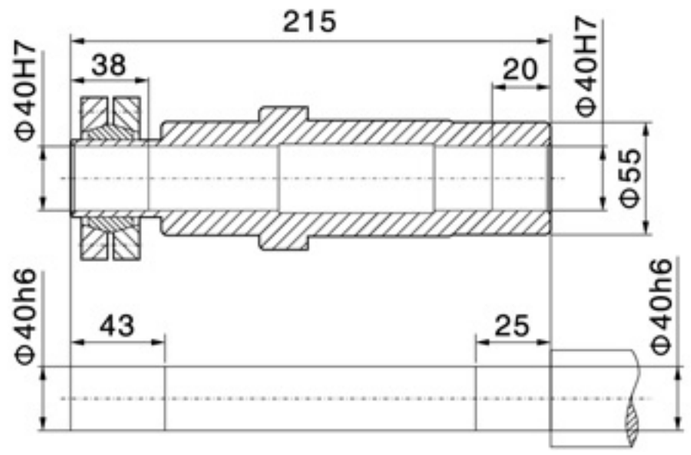
Note: 1.Except the output shaft, the main four series gear units with shrink disk are the same as the standard ones with hollow shafts with plat key.

S、F、K系列锁紧盘尺寸图　Dimensions of shrink disk for S、F、K series

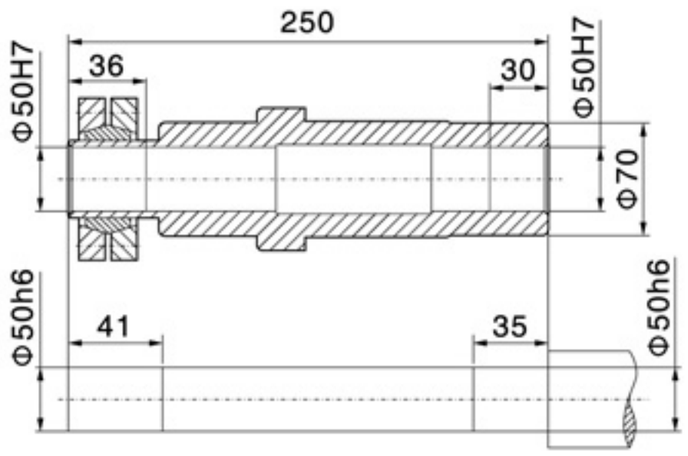
KH..57../FH..57..



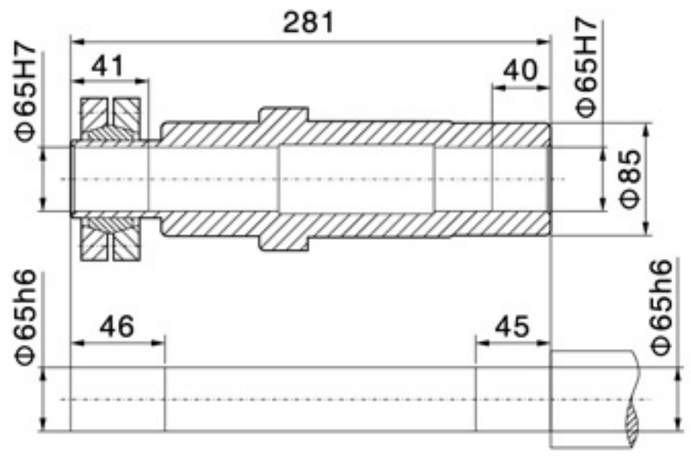
KH..67../FH..67..



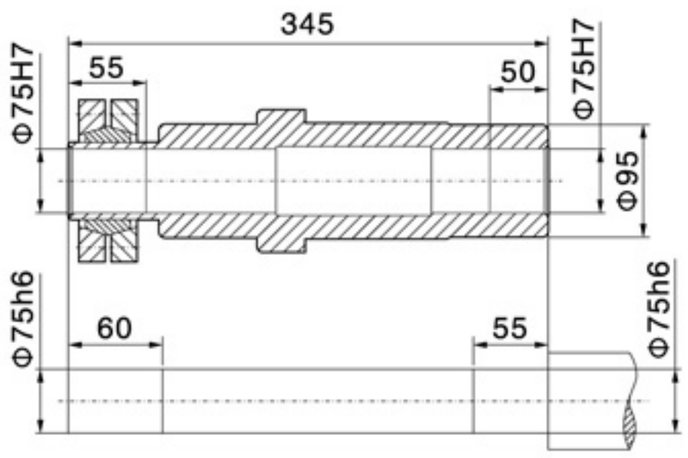
KH..77../FH..77..



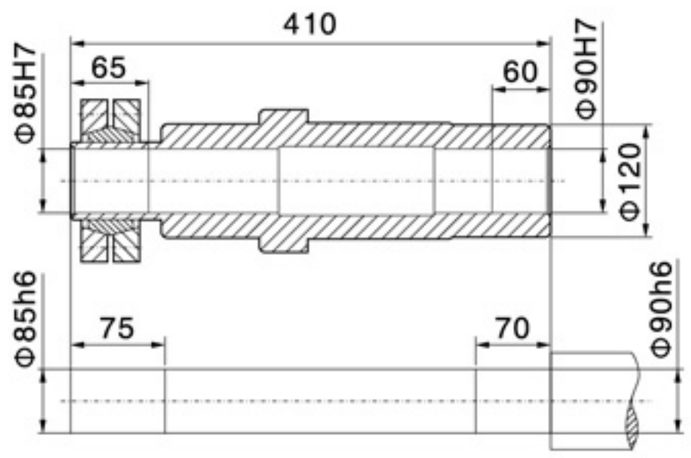
KH..87../FH..87..



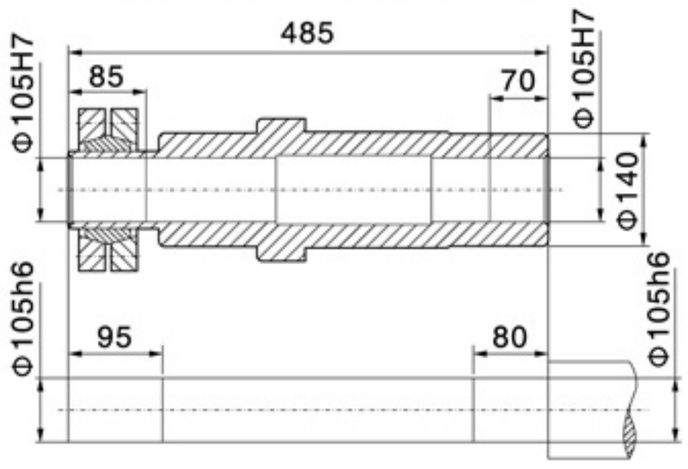
KH..97../FH..97..



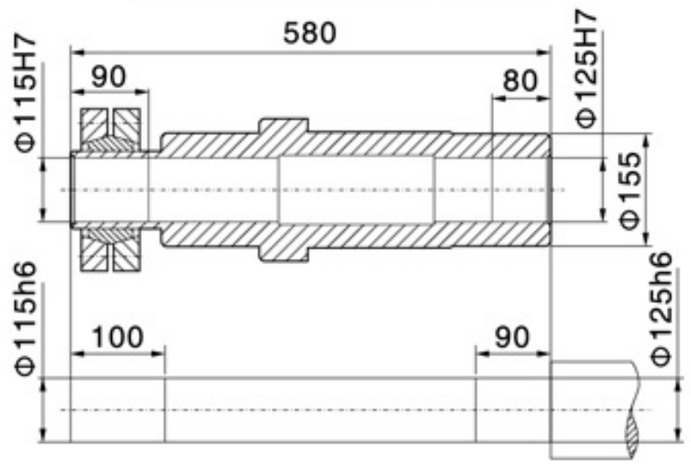
KH..107../FH..107..



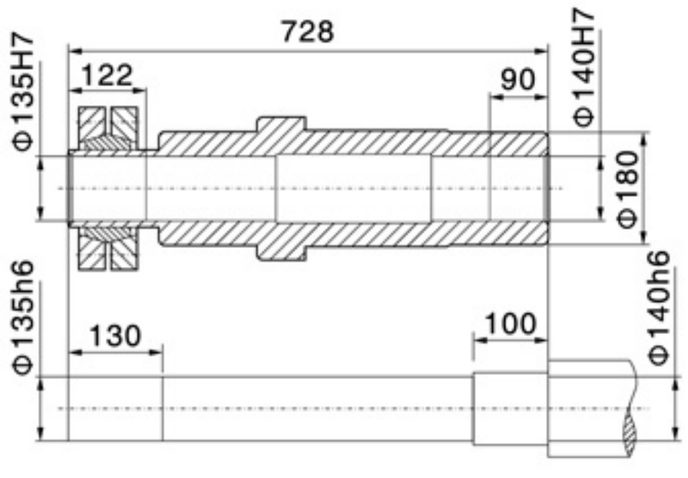
KH..127../FH..127..



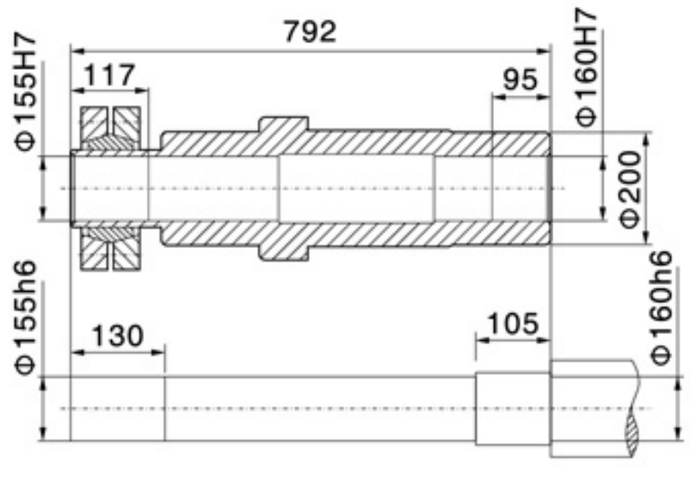
KH..157../FH..157..



KH..167..



KH..187..



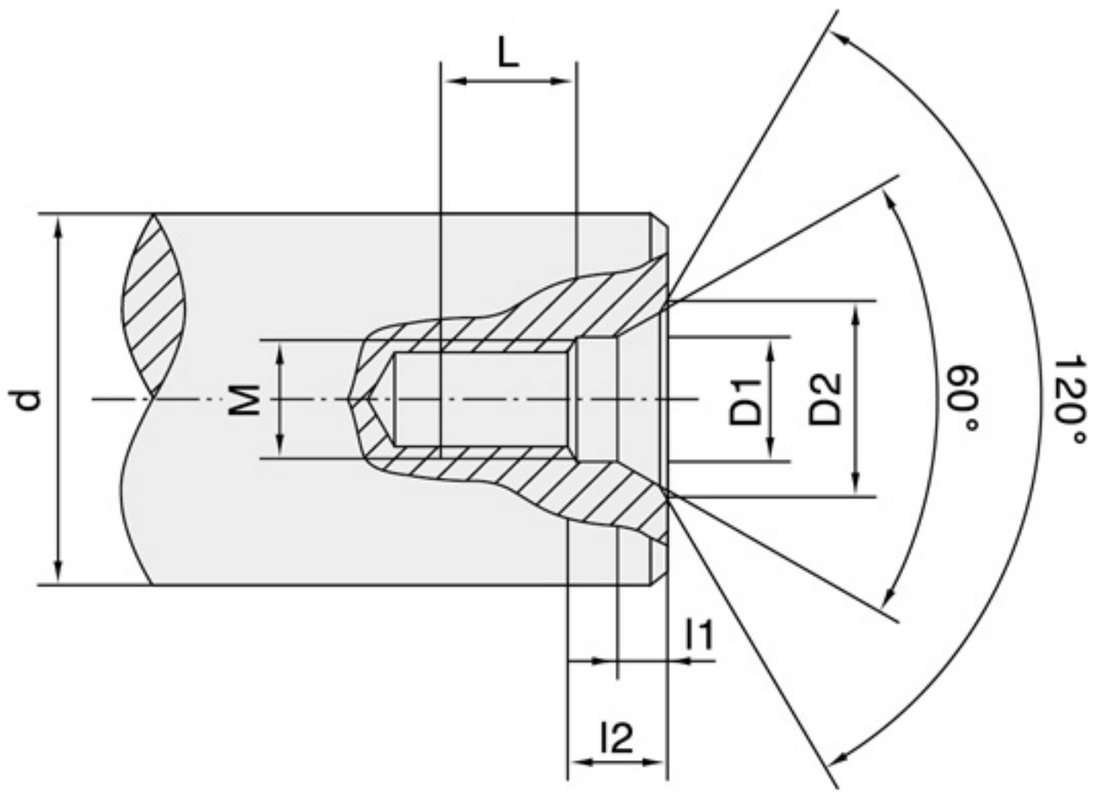
注：1.四大系列带锁紧盘型减速机除输出轴不同外，其余均同平键空心轴标准产品。

Note: 1.Except the output shaft, the main four series gear units with shrink disk are the same as the standard ones with hollow shafts with plat key.

出轴/入轴轴端螺纹孔：　　Screw hole in shaft end:

R、S、K、F、T、JW、H、B、P、RV轴端单螺孔(C 型带螺纹的中心孔)：

R、S、K、F、T、JW、H、B、P、RV series' s single screw hole in shaft end (C screw hole):



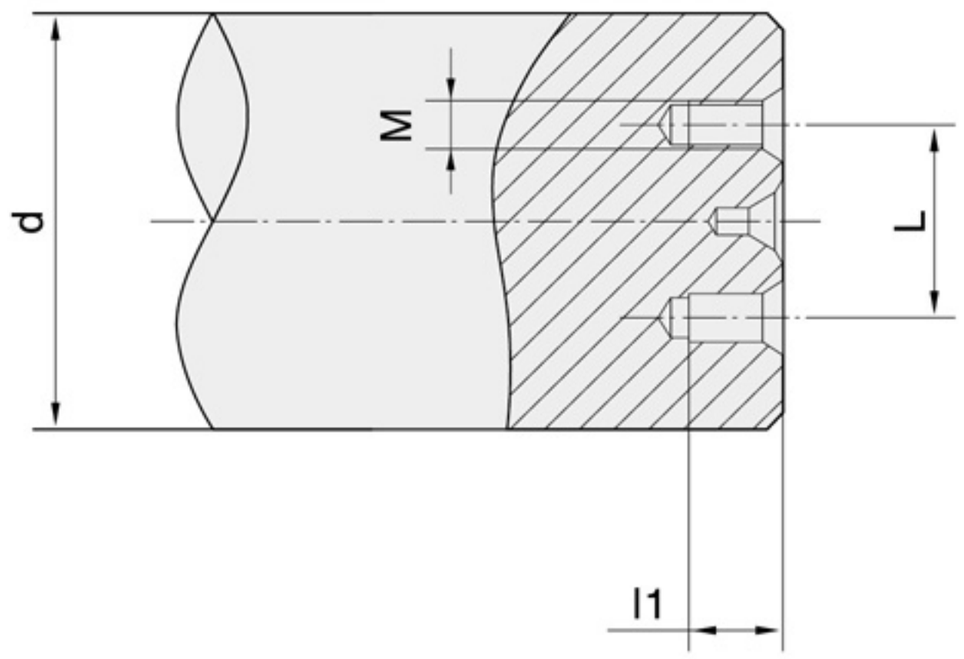
d	M	L	l2	l1	D1	D2
7 < d ≤ 10	M3	10	2.6	1.8	3.2	5.8
10 < d ≤ 13	M4	10	3.2	2.1	4.3	7.4
13 < d ≤ 16	M5	10	4	2.4	5.3	8.8
16 < d ≤ 21	M6	12	5	2.8	6.4	10.5
21 < d ≤ 24	M8	12	6	3.3	8.4	13.2
24 < d ≤ 30	M10	15	7.5	3.8	10.5	16.3
30 < d ≤ 38	M12	20	9.5	4.4	13	19.8
38 < d ≤ 50	M16	25	12	5.2	17	25.3
50 < d ≤ 85	M20	30	15	6.4	21	31.3
85 < d ≤130	M24	35	18	8	25	38
130 < d ≤ 225	M30	45	18	11	31	48
225 < d ≤ 320	M36	55	22	15	37	60
320 < d ≤ 500	M42	60	26	19	43	71
500 < d ≤ 710	M48	65	30	23	49	83

注：轴端双螺纹孔时，订货时需特殊说明。

Note: If two holes in shaft-end are necessary, please make a specification for it when placing an order.

轴端双螺孔：

Double screw holes in shaft end:



轴 端 双 螺 孔 Double screw hole in shaft end			
d	M	l1	L
40 < d ≤ 45	M8	12	20
45 < d ≤ 50	M8	12	22
50 < d ≤ 60	M10	18	26
60 < d ≤ 70			36
70 < d ≤ 80			50
80 < d ≤100			60
100 < d ≤ 110			70
110 < d ≤ 120	M12	20	80
120 < d ≤ 130			85
130 < d ≤ 140			90
140 < d ≤ 150			110

轴 端 双 螺 孔 Double screw hole in shaft end			
d	M	l1	L
150 < d ≤ 165	M12	20	120
165 < d ≤ 180	M16	28	130
180 < d ≤ 210			160
210 < d ≤ 230			160
230 < d ≤ 280	M20	38	180
280 < d ≤ 290			190
290 < d ≤ 310	M24	45	220
310 < d ≤ 330			230
330 < d ≤ 340			240
d>340			250

注：轴端双螺纹孔时，订货时需特殊说明。

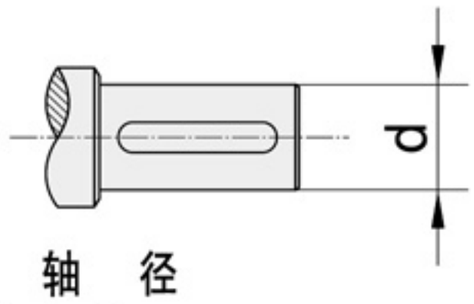
Note: If two holes in shaft-end are necessary, please make a specification for it when placing an order.

输出、输入部分公差标准：

Tolerance for input and output parts:

轴径公差：

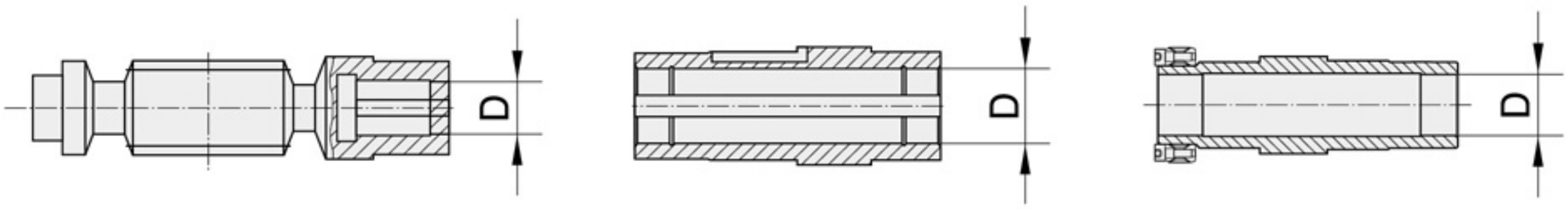
Tolerance for shaft diameter:



轴 径 Shaft diameter		公 差 Tolerance
d ≤ 50	→	K6
50 < d ≤ 250	→	m6
d > 250	→	n6

蜗杆、空心轴孔径公差：

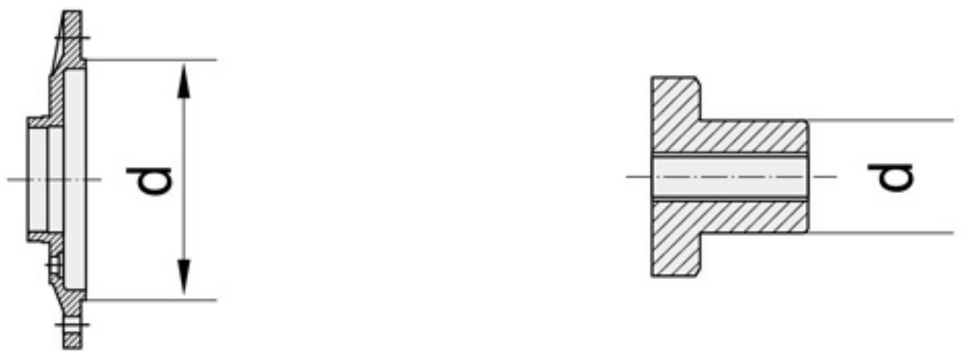
Worm,hollow shaft diameter tolerance:



孔 径 Hole diameter		公 差 Tolerance
D	→	H7

输出法兰凸肩和螺母公差：

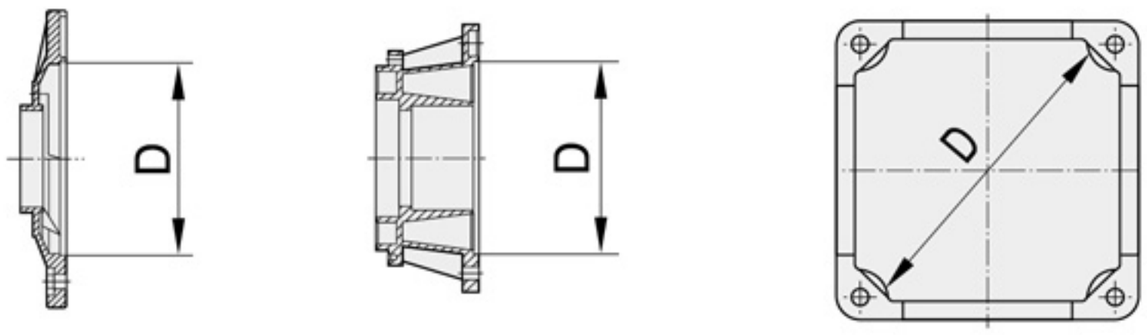
Nut, flange protruding step tolerance :



凸肩直径		公 差
d	→	h7

输出法兰、底座定位凹肩公差：

Flange, housing base concave step tolerance:



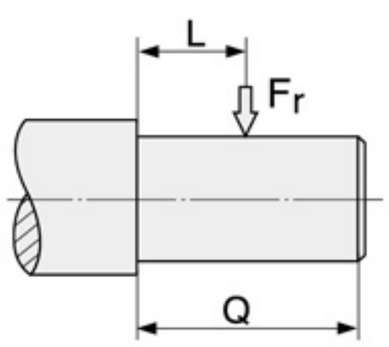
凹肩直径		公 差
D	→	H7

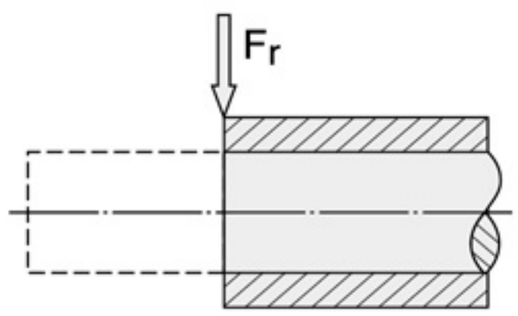
径向力Fr和轴向力Fa:

Radial loads "Fr" and axial loads "Fa" of output shaft:

输入、输出轴径向力的计算:

Calculation of radial force Fr:





$$Fr1=\frac{T1\times f\times Lf}{r} \qquad Fr2=\frac{T2\times f\times Lf}{r}$$

Fr1、Fr2：输入、输出轴上的径向力大小（N）
f：轴上所装配零件径向力系数（表1）
Lf：载荷位置系数（表2）
r：轴的半径（m）

Fr1、Fr2 ：Input,output radial force value（N）
f：Radial force factor of parts on shaft（table 1）
Lf：Load position factor （table 2）
r：Radium of shaft（mm）

径向力系数Radial force factor:(f) 表Table 1

链轮 Chain wheel	齿轮 Gear	V带轮 V belt wheel	平带轮 Flat belt wheel
1.00	1.25	1.5	2.0

载荷位置系数Load position factor:(f) 表Table 2

L/Q	≤0.5	0.75	1
Lf	1	1.5	2

当不受径向力时，许用轴向力
Fa=Fr/2

Permissible axial loads Fa=Fr/2
without radial loads Fr.

需很大的许用轴向力和许用径向力请向我们另行咨询，因为有些行业用途时结构(例轴承)需作一些变动。

Radial loads Fr are very big, please contact us because of some modification depending on different industry.

工作周期ED:

Working circle:

$$ED=\frac{t_f}{t_f+t_r}\cdot 100\%$$

t_f：带负载的工作时间；　t_r：停歇时间。

t_f：Period under load;　t_r：Period of repos。

噪声:

应提供允许的声压水平（dB）最大值，当声压超过这一水平时，可以采用吸音罩罩住，若需可提供在敞开场地的本公司标准声压值。

Noise:

Usershould offer permissible sound pressure maximum value(dB), if noise is greater than maximum value, please use cover of sound absorption. If requiring,The company may offer normal noise intensity value in open field.

减速机的选型所需的参数

减速机的选择用户应提供以下尽量详细的技术要求、载荷周期和运行条件，本公司将可为客户完成最后的选择，保证减速机的质量、经济和可靠性。

为了确保承诺的有效性，主要承包商对传动系统的坚固性负责，通过影响因素进行控制，连接传动部分必须协调。用户需在规定的范围内安装、润滑、使用、运行、维护，不受极限速度、扭矩、振动的影响。

被动设备

— 名称和种类
— 负载性质（使用冲击系数或惯量）
— 运行负载
— 输出功率
— 输出转速 n2(rpm):
— 输出扭矩 T2(N・m):
— 连续使用时间　　小时/天　　小时/月　小时/年
— 起动力矩和频率
— 制动力矩和频率
— 冲击负载、峰值负载和频率
— 正反运转和频率
— 径向、轴向负载

原动机(或电动机是否正反转及其频率，输出轴径向和轴向负载)

— 型号和种类
— 额定功率和转速
— 最大扭矩
— 起动转矩
— 转动惯量直连电动机时，参照电动机的说明
— 代号及附件
— 电机接线盒位置是否指定

减速器（ 所选减速器必须能经受起动、制动、冲击力矩等影响)

— 要求的型号
— 安装形式
— 安装方位
— 输出形式
— 电源
— 润滑　　（ 飞溅润滑、强制润滑）
— 冷却：不附加冷却装置（ 即风冷）
　强制风冷
　强制水、油冷却
— 噪声：要求声压值≤
— 其它附件

Required parameter for motor selection

Reducer users should offer below detailed technical requirements, The company would accomplish final selection for client and assure reducer's quality, economy, reliability. To ensure validity for promise.

To ensure validity for promise, main contractor should take charge of system ruggedness and transmission factor controlling, connecting pieces must harmonize with transmission components. User must use reducer, operate reducer and maintain reducer properly in the stated tang, and reducer is not influenced by limited speed, torque, vibration.

Passive equipment

Name and variety
Load character (use shock factor or inertia)
Running load
Output power(kW)
Output speed(rpm)
Output torque(N · m)
Time of woking continuously(hour per day)
Starting moment and frequency
Brake momet and frequency
Shock load,peak load and frequency
Rotate in both directions and frequency
Radial and axial load

Impelling force(or motor,if rotate in both direction and frequency of that, output shaft radial and axial load)

Mode and variety
Power rating and speed
Maximal torque
Starting torque
Connect with motor directly, rotational inertia refer to specification of motor
Code and appurtenances
If position of the terminal box is special requirement.

Reducer (Selected reducer can stand up to influence of starting and brake and shock moment)

Requied model
Mounting mode
Mounting position
Output mode
Electrical source
Lubrication(splash lubrication or forced lubrication)
Cooling method: No cooling device(air blast)
Cooling by fan
Cooling by water or oil
Noise(dB):required sound pressure value ≤
Other appurtenances

联接：

— 被驱动设备和减速器联接：
— 减速机和电动机或其它原动机联接：
* 当用皮带、链条或开式齿轮联接时，必须告知装在轴端的皮带、链条或齿轮的直径，以及中心距和负载方向。
* 如果使用刚性联轴器，必须告知作用在轴上的轴向和径向负载。

Connection:

Driven equipment is connected with gear unit
Gear unit is connected with motor or other drives.

* When gear unit is connected with belt, chain or gear, user must tell The company their diameter, centre distance and load direction.
* If gear unit is connected with rigid coupling, user must tell The company radial and axial load applied on shaft.

环境条件：

— 周围温度、 空旷场地、狭小场地、通风条件：

— 特殊条件：高温、低温、灰尘、化学作用、直接日照、冰等

Ambient condition:

Ambient temperature, open field, narrow field, ventilation condition:

Special condition: high temperature, low temperature, dust, chemistry, direct sun, ice etc:

特殊要求：

— 例如：外伸中间轴（S、R、K、F、RV、H、B、P都有可能）
— 制动停机（例倾斜输送机）
— 特殊密封（灰尘、严格要求的食品、化学原料等）
— 速度监测、保护、逆止器等

Special requirement:

Example: Extend intermediate shaft (it is possible for S、R、K、F、RV、H、B、P)
Braking and stopping(Such as inclined conveyer)
Special seal(dust, food and chemical material with special requirements.
Speed monitor, protection, backstop.

其它要求：

Other requirement:

安装、使用、润滑说明

一般说明

减速机的安装、操作、维护保养和修理人员均需阅读和理解本说明并遵守其中的规定。若因违反本说明的规定而造成的任何损伤和停机，本公司概不负责。

注意事项

■一定不能用高压清理设备清洁减速机。

■对减速机所进行检修、保养、维护、安装都必须在减速机不工作的情况下进行。

■在减速机上不得进行焊接工作，也不得用作焊接工作的接地点。焊接会造成精密轮齿和轴承的不可修复的损坏。

■如果在减速机的运行过程中发现了任何异常现象（例如过热或者不正常的噪声等），应该立即停机检查。

■凡是旋转的零部件必须配备合适的防护罩以防止人员的意外接触，例如联轴器，液力偶合器，齿轮，驱动皮带轮等。

■一定要遵守减速机上所附加的说明，例如铭牌、指示方向的箭头等。这些铭牌和标记上面不得有灰尘和油漆。

■在组装或者解体工作中损坏了的螺栓一定要用同等强度和类型的新螺栓更换。

■安装升降机时，台架面上的孔，在满足丝杆能方便通过的前提下，应尽可能小。

■根据减速机的操作条件，减速机的表面、润滑油和零部件可能会达到相当高的温度，小心烫伤!

■当更换润滑油的时候，要谨慎小心不要被热油烫伤。

■减速机应该放置在无振动的干燥木制基座上并遮盖好。当储存减速机和任何单独的零部件的时候一定要做好防锈措施，以免生锈，储存时不得将减速机叠放在一起。

■除订货合同中另外有所规定，否则减速机不得储存在或工作在强酸、强碱、低温、高温和重度的空气污染、潮湿，具有化学物品的场所。

■在搬运减速机时，一定要特别小心，应防止撞击轴端，因为这样将有可能造成减速机的损坏，在吊运减速机时，不得将吊环螺钉挂在轴端处的螺纹上。

■除订货合同中另外有所规定，减速机和无级变速机工作环境温度不超过40摄氏度，温升低于40摄氏度。

■MB无级变速机出厂时，调速限位螺钉已经调整在极限位置,不得任意调整，以免损坏零件。

■MB无级变速机必须在开机情况下方可调速，否则会损坏零件。

Installation、usage、lubrication

General

It must be read and understood by operators、maintenance and repair persons. And they must comply with all regulations in this manual. Any damages and stop of machine caused by wrong operation will be buyer's responsibility.

Notes

■ Gear units can not be cleaned by high-pressure cleaning machine.

■ Repair、 maintenance、installation must be made with gear unit powered off.

■ No welding can be made on gear units, and it cannot be a welding ground point. Welding will cause irreparability of precision gears and shafts.

■ During running, gear units must be stopped immediately for check once any problem (such as over heated and high noise) occurs.

■ Any rotating parts will be equipped with appropriate shields in order to keep it from accidental touch. Such as couplings、hydraulic couplings、gears、driving belt wheels.

■ Please note the instructions attached on gear units, such as label、arrow indicating direction. And they will be kept clean without dust and oil.

■ The bolts damaged in installation or dismantlement should be replaced with new one of the same tension and type.

■ When installing screw jacks, the screw holes in mounting plate should be as small as possible up to bolts' diameter.

■ When gear units running, its temperature may get up to a high point, please take care, there is a danger of scald.

■ When changing lubrication, please be careful not to be scalded by hot oil.

■ Gear units should be put on dry wooden non-vibration base and be covered. When storing gear units and their components, we should take rust-proof measures, and we cannot pile up gear units.

■ Unless there are special requirements in contracts, gear units cannot be stored or work in places with acid、alkali、low temperature、high temperature、heavy air pollution、damp、chemical products.

■ When removing gear units, please be careful to avoid knocking shaft end and damaging; when swinging them, bolts of swinging rings cannot put in screw holes in the shaft ends.

■ Unless there are special requirements in contracts, ambient temperature of gear units and variable speed drives is below 40℃, and temperature rise should lower 40℃.

■ Before delivery of MB series, speed-limiting screw has been adjusted to an extreme point to protect spare parts. And speed adjustment must be done after the drives start up, or the drives will damage.

■ 减速机、无级变速机应在许用转矩范围内使用，超扭矩使用应在输出轴上装安全装置，以免减速机损坏。

■ 各种减速机、无级变速机适用于连续运转，并允许正反两向运转。（配逆止器时除外）

■ 若出现安装方位变动，一般情况下调换油镜、油塞、通气帽即可。

■ 备件一定要从本公司购买。

■ Gear units and MB should run under permissible torque, safety devices should be equipped to avoid damage if load is larger permissible torque.

■ Gear units and MB can run continuously and are permitted to rotate in both directions.

■ If mounting position changes, the positions of breather screw、oil level、oil drain plug will be change with each other as usual.

■ Spare parts must be purchased from The company.

安装与拆卸

关于安装的综合信息：在户外安装时应该避免阳光的直射，一定要避免热力集中影响减速机的正常性能。

整机安装

1）准备刚性好的基础或牢固的台架来安装传动设备，同时也需充分考虑即使加上最大载荷也不至于改变装配好后各部件的位置。

2）底座式安装应校准中心高，联轴器联接时应校准两轴的同轴度；柔性联轴器时浮动量不超过联轴器的允许范围，刚性连接时保证各安装联接的形位公差；长轴联接还要考虑轴的足够刚度。

3）法兰式安装，凸肩（或凹肩）应配合良好，以免错位。法兰式安装并配空心轴联接时，特别应保证联接处的形位公差。

4）扭力臂安装，空心轴与工作轴应配合良好，工作轴的浮动或设备振动应小于弹性块允许的范围，力臂应固定并锁紧。

5）在减速机上安装驱动零件时（如联轴器、齿轮、链轮等），如果需要预加热，则必须保护好轴上的油封，要用防热屏减少热辐射。

6）输出轴加装联轴器、皮带轮、齿轮、链轮等时，请勿重击，应用输出轴外端螺孔，压入连接件。皮带轮、链轮、搅拌式还需考虑径向力。

Installation and dismantlement

Installing gear units should avoid direct sunshine and heat concentration to guarantee smooth running.

Installation of whole units

1) Please choose foundation with good rigidity or stable plat form to install transmission devices. In the meantime, also should take full consideration that the positions of all parts will not change even if maximum torque is loaded on units.

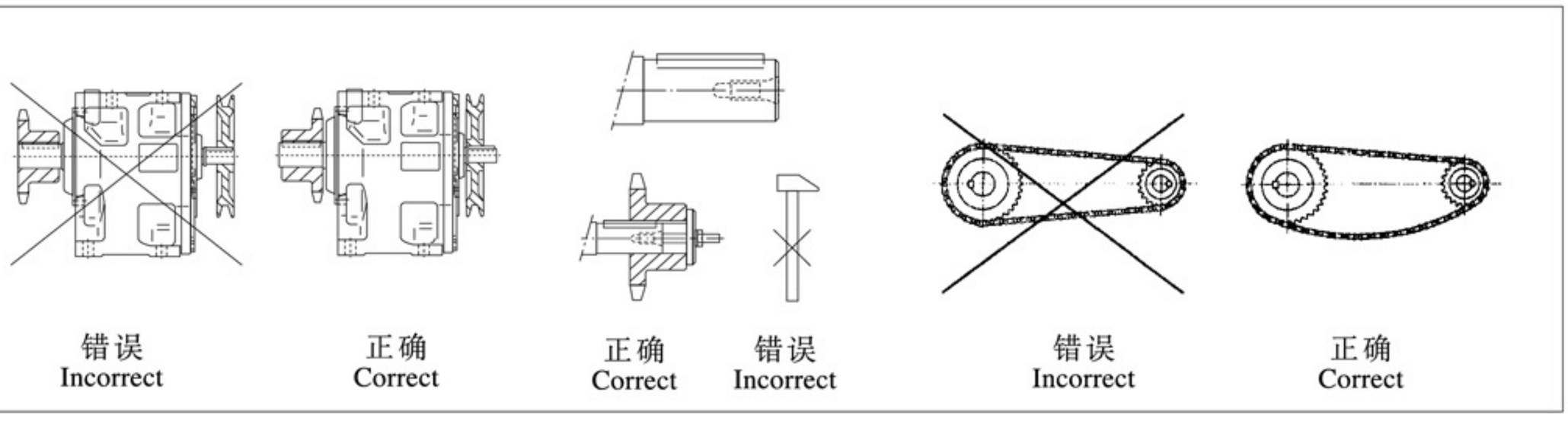
2) Choosing foot-mount, the height of centre line should be calibrated; Choosing coupling-connect, coaxiality should be calibrated; Choosing flexible coupling, run-out should keep within permissible values; Choosing rigid coupling, contour and position tolerance should be guaranteed; Choosing long coupling, rigidity of shaft should be enough.

3) Flange-mount, protruding or concave steps should inosculate with housings; using hollow shaft, contour and position tolerance at connection parts should be guaranteed.

4) Torque-arm-mount, hollow shafts should be fit with working shafts; run-out of working shafts and vibration of units should be within range of vibration values, torque arm should be fixed and locked.

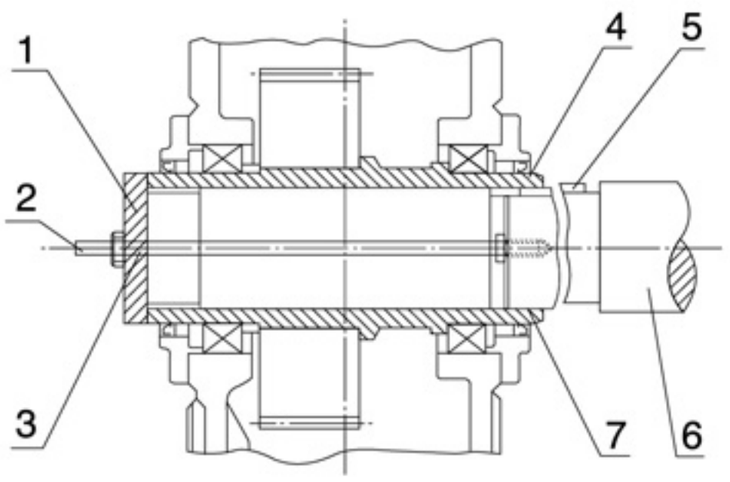
5) Mounting driving parts such as couplings、gears、gear chains, if pre-heat is necessary, seal should be protected by using heat-proof shelter to diminish heat radiation.

6) Installing couplings、belt wheels、gears、chain gears on output shafts, please use screw hole in shaft end to press them in the correct position (see following pictures). And radial force should be considered in case of Belt wheel、chain gears and agitation mode.



7）空心轴与实心轴连接时，应清理干净并涂防锈油(空心轴一定要精密对中)。除了在图中所示的螺母和螺杆以外，还可以使用其它类型的装置例(如液压提升装置)。

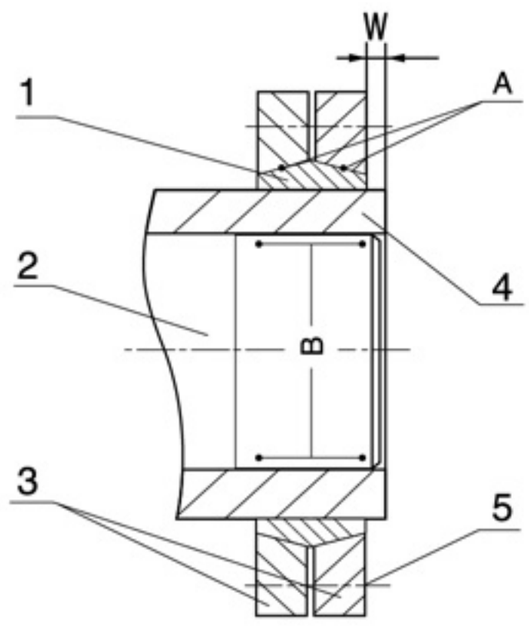
7) When connecting hollow shaft and solid shaft, please clean the surface and put anti-corrosive oil on it. When connecting, besides nuts and threads illustrated in the drawing below, other installing tools such as oil hydraulic devices can be used.



1 端板 Pressure plate
2 螺母 Nut
3 螺杆 Thread
4 空心轴 Hollow shaft
5 平键 Key
6 机器轴 Shaft
7 螺母 Nut

8）当空心轴配置收缩盘时，为了安全起见在收缩盘上应加防护罩；空心轴的孔和工作轴在收缩盘的区域里面一定不能有润滑脂。在安装机器的轴之前不要拧紧紧固螺栓。

8) When hollow shaft equipped with shrink disk, protect shield should be installed on shrink disk for safety. Connecting area (equipped shrink disk) of hollow shaft and solid shaft must not be put lubrication cream. Before installing solid shaft, not tighten binding bolts.



1 内 环 Inner ring
2 机器轴 Solid shaft
3 外环 Outer ring
4 空心轴 Hollow shaft
5 紧固螺栓 Binding bolt
A 有润滑脂的部位 Lubrication area
B 绝对不能有润滑脂的部位 Non lubrication area
W 安装高度 Installation height

9）安装螺栓一般情况下采用 8.8 级，如果有高温或者振动冲击等情况，请在螺纹连接处作好防松措施。各个紧固螺栓的拧紧扭矩见下表：

9) Generally fixing bolts adopt GBT8.8. In case of high temperature and vibration, please take anti-loose measures. The tightening torques of binding bolts as follows

螺栓大小（mm） Diameter of bolt	预紧力矩（N·m） Pre-binding-torque	螺栓大小（mm） Length of bolt	预紧力矩（N·m） Pre-binding torque
M6	15	M30	2000
M8	36	M36	3560
M10	72	M42	5720
M12	123	M48	8640
M16	295	M56	13850
M20	580	M64	14300
M24	1000	M72	20800

拆卸

1) 空心轴的拆卸

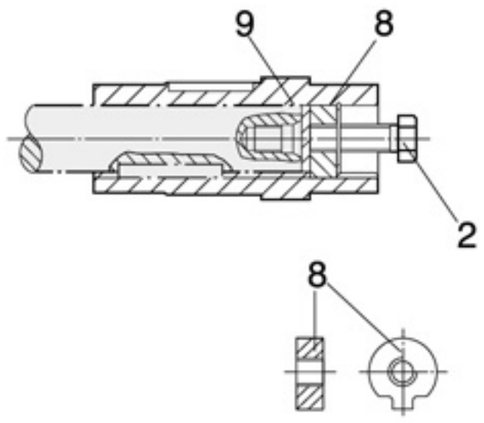
根据现场实际可使用的设备，可以用端板上的螺杆（参见下图）、中心螺杆或者液压提升装置将减速机从机器轴上脱下来。空心轴的每个端面都配备了2个螺丝孔可以拧入固定端板的螺栓。

Dismantlement

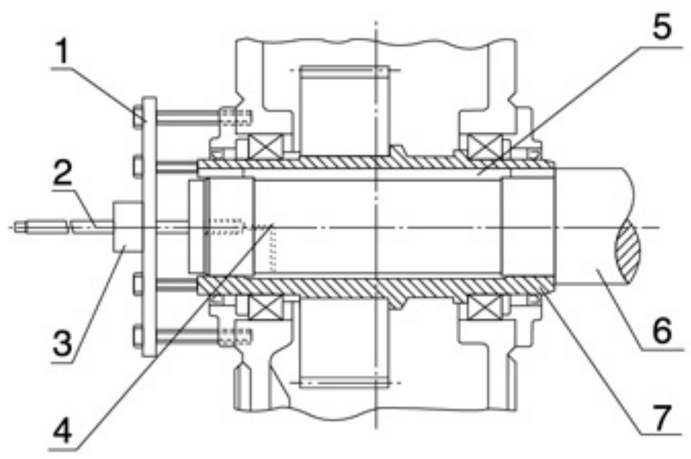
1)Dismantle hollow shaft

According to tools available on the spot, Bolts on pressure plate、center bolt、oil hydraulic device are available to dismantle gear units from driven solid shaft. There are two screw holes in the end surface of hollow shaft for tightening bolts fixing pressure plate.

F、K、S、R、RV



H、B、P



1 拆下减速机用的板 Pressure plate
2 螺杆 Bolt
3 液压提升装置 Hydraulic lift device
4 加入除锈剂的孔 Hole with rust-remover
5 平键 Flat key
6 机器轴 Driven shaft
7 空心轴 Hollow shaft
8 螺母 Locknut for removal
9 垫圈 Removal washer

注：端板和辅助板不在供货范围内。（空心轴端螺纹孔的分布和大小请参照本公司技术图纸）。

Note: Pressure plate and attached plate are not included in shipment. (Serew holes on hollow shaft end refer to drawings)

2) 当空心轴配置收缩盘时，在首次受力之前一定不能拆下来。拆卸时严禁按照相邻的顺序松开螺栓。

2) When hollow shaft equipped with shrink disk, it is prohibited to loosen bolts one by one in a round way.

润滑与冷却

Lubrication and cooling

润滑

Lubrication

1) 润滑油的选择：

1) Choosing lubrication oil, as following table:

系 列 Series of ruducer	环境温度 Ambient temperature -50 0℃ +50 +100	ISO粘度与NLGI相应 Adhesiveness of ISO and NLGI unitive	Esso	Mobil	Shell	GB牌号 L-CK
R. F. K. T. H. B. P	-25 +80	VG220		Mobil Glygoyle 30	Shell Tivela OIWB	N220
	0 +40	VG220	SPARTAN EP 220	Mobilgear 630	Shell Omala OI220	N220
	-15 +25	VG150 VG100	SPARTAN EP 150	Mobilgear 629	Shell Omala OI 100	N150
	-30 +10	VG68-46 VG32	ESSOATF D-21611	Mobil D. T. E. 15M	Shell Tellus OI T 32	N68
	-20	VG22 VG15	UNIVIS J 13	Mobil D. T. E. 11M	Shell Tellus OI T 15	N22
	-45 0 +60	VG680		Mobil Glygoyle HE 680		N680
RV. S	0 +40	VG680	SPARTAN EP 680	Mobilgear 636	Shell Omala OI 680	N680
	-15 +25	VG220	SPARTAN EP 220	Mobilgear 630	Shell Omala OI 220	N220
	-20 +10	VG150 VG100	SPARTAN EP 150	Mobil D. T. E. 18M	Shell Omala OI 100	N150
	-25 +10	VG220		Mobil Glygoyle 30		N220
	-45-20	VG22 VG15	UNIVIS J 13	Mobil D. T. E. 11M	Shell Tellus OI T 15	N22、N15
JW	升降机的润滑油选择：JW010-JW200，选000#钙基润滑脂；JW300-JW1000，选VG150齿轮润滑油。 Lubrication oil: JW010-JW200, 000# calcium grease; JW300-JW1000, VG150 gear lubrication.					

2) 润滑油的更换

要用和原来的润滑油同一牌号、同一厂家的润滑油。更换润滑油品种时，要用润滑油将减速机箱体里面的沉积物、金属颗粒和残留的润滑油都冲洗干净。

对于升降机在其正常工作前，都必须对丝杆表面涂抹润滑油脂，将丝杆升到最大行程，然后在丝杆表面涂抹润滑油脂。

3) 润滑方式：

A. 油池润滑：一般情况下减速机都采用油池飞溅润滑；

B. 浸油润滑：所有的齿轮和轴承都浸没在润滑油里面；

C. 强制润滑：是靠辅助设备将润滑油强制压入齿轮箱内对轴承和齿轮进行润滑的。

D. 稀油站集中润滑：客户可以根据实际情况自配润滑系统。

2) Change of lubrication oil

Changing lubrication oil, it must be the same type and produced by the same factory. If type is different, must completely remove deposits、metal grains、residues of the old oil in housing with new lubrication oil.

Before screw jacks running, must lubricate screw threads with lubrication cream. Let threads get up to highest point and lubricate threads.

3) Lubrication methods

A. Splash lubrication: generally gear units adopt or splash lubrication.

B. Oil-bath lubrication: all gears and bearings must immerse in oil.

C. Forced lubrication: attached devices press oil into housing to lubricate gears and bearings.

D. Oil tank lubrication: Customers can equip lubrication system accordingly.

冷却

根据要求，有些减速机可配备风扇、冷却螺旋管、水冷或者空冷的润滑油冷却系统或者单独的供油系统。在单独的供油系统的情况下，一定要遵守有关这些装置的规定。

1) 风扇：

带有风扇的减速机，在安装联轴器或其它零部件的安全防护罩的时一定要留出足够的空间让空气进入。所留出空间的正确尺寸请参照我公司技术图纸。一定要将风扇罩固定好并防止外界的损坏而且不能和风扇叶接触。

2) 冷却螺旋管：

冷却水要由用户自行提供。自来水、海水还是半咸水都可以进行冷却，在连接冷却水的螺旋管之前要先将堵头从冷却水盘管的连接衬套上取下来并彻底冲洗螺旋管将赃物清理干净。（冷却水的流量请参照我公司技术图纸。）

注：冷却水可以任意方向流过减速机。冷却水的压力不得超过8巴。为了避免过高的压力，冷却水的入口必须要配备一个流量控制装置，例如减压阀或者截止阀。

起动

要遵守“安全说明”中的规定。

添加润滑油：

本公司产品一般都未带润滑油出厂，在设备运行前请先加入润滑油。

核查设备：

1）检查油面高度，润滑油冷却或者供油系统管路的密封性。

2）检查冷却装置，截止阀的开启状态

3）配备了止回装置的减速机，检查电机接线是否正确。

4）检查轴封是否有效。

5）检查旋转的零部件是否与其它零件接触。

配置了电动油泵的减速机应当保证在启动设备前首先开启油泵电机。

故障、原因和措施

维修工作一定要由经过培训的素质合格的人员谨慎地进行。

Cooling

For different requirements, gear units can be equipped with cooling fans、cooling coils、water or air cooling systems、separate oil supply systems. Under condition of separate oil supply system, please comply with its operation regulations.

1)Cooling fan:

When gear units with cooling fans are installed safety shield of couplings or other spare parts, enough space should be left to let air get into. The dimension of the space refers to our technical drawings. The fan shield should be fastened and protected against damage, and cannot touch the leaves of fan.

2)Cooling coil:

Cooling water is supplied by customers. Tap water、seawater、half salt water can applied to cooling. Before installing cooling coils, please get the plug off the coil clean it. (water flux refer to our technical drawings)

Note: Cooling water can flow through gear units in all directions. The pressure of cooling water cannot exceed 8 bar. To avoid higher pressure, a flux controller should be installed at the entrance of cooling coil such as decompression valve or cut-off.

Start up

Please comply with the regulations in safety instructions

Add lubrication oil:

Generally there is no lubrication oil in our products. Please add oil before machines begin running.

Verify machines:

1)Check oil level、air-proof of cooling system or oil supply system.

2)Check the open-and-close state of cooling devices and cut-off.

3)Check the position of input wires when gear units are equipped with anti-counter-rotation devices.

4)Check validity of seals.

5)Check ifthe rotating components touch other ones.

Make sure that electric oil pump should stat up before the start-up of gear units.

Malfunction、cause and measure

Maintenance should be made by qualified workers .

故障 Malfunction	原因 Causes	措施 Measures
在减速机的紧固件处有大的噪声 High noise at tightening parts	紧固件松动了 Loose of tightening parts	将螺栓/螺母拧紧到规定的扭矩。 更换损坏了的螺栓/螺母。 Tighten nut bolt to correct state Replace damaged nut/bolt
减速机的噪声变化 Changing noise	齿轮的轮齿发生了损坏 Teeth of gears get damaged	和客户服务部联系。 检查所有零件上的齿，更换损坏了的零件。 Consult after-sales department Check teeth of gears and replace damaged one.
	轴承间隙过大 Clearance of bearings too big	和售后服务部联系。 调整轴承的间隙。 Consult after-sales department Adjust the clearance of bearings
	轴承损坏 Bearings get damaged	和客户服务部联系。 更换损坏的轴承。 Consult after-sales department Replace damaged bearings

故障 Malfunction	原因 Causes	措施 Measures
轴承温度升高 Bearing temperature rise	箱体里面的油面过高或过低 Oil level is too high or low	在室温下检查油面的高度并按需加油。 Check oil level at room temperature and add on reduce oil
	油过于陈旧 Oil is used too long	和售后服务部联系。 —检查上次换油的时间。 Consult after-sales department. Check the date that oil be replaced last time.
	油泵的机械故障 Malfunction of oil pump	和售后服务部联系。 检查油泵的工作是否正常，修理或换新的油泵。 Consult after-sales department. Check if pump works normally, repair or replace it.
	轴承损坏 Bearing damage	和售后服务部联系。 —查阅操作人员在振动测量中所获得的数据。 —检查并按需更换轴承。 Consult after-sales department. —Look up the date about vibration. —Check and replace it on request.
工作温度过高 working temperature too high	箱体里面的油面过高 Oil level is too high	检查油面的高度，如果有必要的话，调整。 Check oil level, and adjust if necessary .
	油过于陈旧 Oil is used too long	和售后服务部联系。 检查上一次换油的时间，如果有必要的话就更换。 Consult after-sales department. Check the date that oil was replaced last time, replace it if necessary.
	油受到严重污染 Oil is polluted seriously	和售后服务部联系。 —换油。 Consult after-sales department. —Replace oil.
	在配备了润滑油冷却系统的减速机上：冷却剂的流量过低或者过高 Flux of cooling material is too high or low	全面调节进口和出口管道的阀门。 检查水冷装置的自由流量。 Adjust entrance and exit valves. Check the flux of water cooling devices.
	通过水冷装置的油流过低，其原因是：滤油器严重堵塞 Oil flux through water cooling devices is too low	清理滤油器。 Clean oil filter.
	油泵的机械故障 油泵损坏 Malfunction of oil pump oil pump damage	和售后服务部联系。 —检查油泵的功能是否正常。 —修理或者换新。 Consult after-sales department. —Check of oil pump works normally. —Repair or replace it.
	在配备了风扇的减速机上：风扇罩的空气入口和/或箱体严重污染 Entrance of fan shield and housing polluted seriously	清理风扇罩和箱体。 Cleanse fan shield and housing.
	配备了冷却螺旋管的减速机：冷却螺旋管里面结垢 Residues in cooling coil	和售后服务部联系。 —清理或者更换螺旋管。 Consult after-sales department. —Clean or replace cooling coil.

故障 Malfunction	原因 Causes	措施 Measures
轴承处的振幅升高 Swing at bearing higher	轴承损坏 Bearing is damaged	和售后服务部联系。 —检查并按需更换轴承。 Consult after-sales department. —Check and replace bearing.
	齿轮损坏 Gear is damaged	和售后服务部联系。 —检查并按需更换齿轮。 Consult after-sales department. —Check and replaces gears.
止回装置的温度过高 止回功能的失效 Temperature of anti-backstop too high and it becomes malfunction	止回装置损坏 Anti-backstop becomes malfunction	和售后服务部联系。 —检查并按需更换止回装置。 Consult after-sales department. —Replace anti-backstop
减速机漏油 Oil-leak of gear unit	箱体盖或者联接处的密封不良 Sealing at cover and connection notin good state	检查密封和连接处，如果必要的话，更换新的。将连接处密封好。 Check air-proof and connection part, replace them if necessary, and seal up connection part.
	径向轴封环失效 Shaft seal is malfunction	和售后服务部联系。 —换新的径向密封环。 Consult after-sales department. —Replace it.
油中有水 Water in oil	油中有杂物 Mixer in oil	用试管检查油的状态是否有水分存在。 实验室分析油。 Classify if there is water in oil by using tube. Analyse oil in laboratory.
	润滑油冷却器或者冷却螺旋管失效 Cooling coil is of mal-fanction	和售后服务部联系。 —找出并修理泄漏之处。 —更换冷却器或者螺旋管。 Consult after-sales department. —Find out and repair leakage place. —replace cooling coil
	减速机受到机器间通风过来的凉空气而产生凝露 Cool air will cause water drop in gear unit.	用合适的保温材料将减速机保护起来。 关闭空气的出口或者在结构上改变其方向。 Shelter gear units with proper

注：对于客户自己无法排除的故障请和我公司售后服务部联系。

Note: Please consult after-sales department, if malfunction can not be removed by consumer s tehmselves.

保养

用户要定期对减速机进行维护和保养，要定期检查润滑油的使用状态，定期清理通气帽、风扇、冷凝管和减速机表面的灰尘和异物，保持减速机清洁，保证减速机的正常运行。

Maintenance

Users must maintain gear units periodically check oil state periodically clean breather screw, fan, cooling coil and surface of gear units periodically.Keep gear units clean and assure that gear units work smoothly.

措施期限备注:

Maintenance periods:

检查油温 Check oil temperature	每日 Everyday
检查减速机的不正常的噪声 Check abnormal noise of gear units	每日 Everyday
检查油面高度 Check oil level	每月 Every month
检查减速机的漏油 Check leakage	每月 Every month
检验油中的水分 Analyse water	400工作小时后,至少每年一次 Every 400 working hours. At least 1 years.
在起动之后的首次换油 Replace oil first time after start up	在400工作小时后 Every 400 working hours.
其后的换油 Afterward oil replacement	每18个月或者5000工作小时 Every 18 months or 5000 working hours
清理滤油器 Clean oil filter	每3个月 Every 3 months
清理通气帽 Clean breathe screw	每3个月 Every 3 months
清理风扇、风扇罩和减速机箱体 Clean fan, fan shield and housing	和换油同时进行 At the same time as replacing oil
检查冷却螺旋管的沉积物 Check residues in cooling coil.	大约每2 年，和换油同时进行 Every 2 years and the same time as replacing oil
检查润滑油空气冷却器 Check air-cooling devices	和换油同时进行 At the same time as replacing oil
检查润滑油水冷却器 Check water-cooling devices	和换油同时进行 At the same time as replacing oil
检查紧固螺栓的紧固程度 Check tightening bolt	第一次换油后，其后每隔一次换油 After first replacing oil, every 2times of replacing oil
对于减速机的全面检查 Make an over all check	大约每2 年和换油同时进行 Every 2 years and coincide with replacing oil

售后服务 After-sale service

各种传动设备，客户发现有质量问题时，不要先拆卸零件，应说明以下情况然后与本公司售后服务部联系，说明现象后确认问题所在，再采用较理想的方法处理。

When customers find some quality problem, please not dismantle the gear units and fill in the following form and contact out after-sales department. We will offer reasonable methods to resolve the problem.

型号规格 Model:

出厂日期 Date:

编 号 Number:

已使用时间 Use time:

使用场合或主机名称 Ambience or main machine:

主机生产单位 Company that main machine was made in:

质量问题 Problem:

用户单位 (Name):

地　　址 (Add):

电　　话 (Tel):

传　　真 (Fax):

邮　　编 (Post):

联 系 人 (Link man):

城邦减速机

产品介绍
Product Introduction

城邦的市场定位是业界最佳传动设备供应商，日本产品的低成本，德国产品的稳定性，美国产品的先进性，是我们赶超的 基准。只要我们持续地改进，就会无穷地逼近高质量、低成本和高效率的理想目标。

本公司部分系列可直接替换德国SEW公司，德国FLENDER公司，日本椿本TSUBAKI公司，意大利MOTOVARIO公司同型号产品。

The marketing positioning is getting the best suppliers of the transmission equipment industry.

Our aim is catch up with and surpass the low-cost products of Japan, the stability product of Germany, the advanced product of America. As long as we continue to improve ourselves, we will get close to the ideal aim of high quality, low-cost, high efficiency.

Part of our products can directly take the place of the same type products of SEW company, Germany Flender Company, Japanese Tsubaki Company and Italy Motovario Company.



R系列斜齿轮硬齿面减速机 R
Rigid tooth flank helical gear units



K系列斜齿-螺旋锥齿轮减速机
K Helical-bevel gear units



S系列斜齿-蜗轮蜗杆减速机
S Helical-worm gear unrts



F系列平行轴斜齿轮减速机
F Parallel shaft helical gear units



P系列行星齿轮减速机
P Planetary gear units



H大功率减速机
H High power reducer



B大功率减速机
B High power reducer



斗式提升机用减速机
Bucket Elevator Drives



T系列螺旋锥齿轮转向箱
T Senes spiral bevel gear units



摆线针轮减速机
Cycloid Reducer



SWL、JW蜗轮丝杆升降机
SWL. JW Worm screwjack



RV蜗轮减速机
RV Worm gear unit

城邦减速机

Application Case

从核心产业到环境生活，利诺达齿轮减速电机以其超凡可靠性和耐久性在各个领域赢得了广泛的信誉。

城邦拥有在与主要客户的紧密合作中发展起来的应用技术和工程设计，通晓齿轮电机的应用条件，为您的驱动应用提供先进 并且经济的选择。

城邦的经营理念是视产品应用与周到的服务于一体，这一态度为我们与用户奠定了良好的合作基础。从而导致卓有成效，牢 固长久的共同繁荣。

ChengBang gearboxes have won the prestige from core industry to living environment by the excellent reliability and durability in each field.We have applied technology and engineering design.which developed during close cooperation with customers.

We are familiarity with theapplication condition of gear motor and provided advanced but economic choice for your driving application.

The Management Philosophy of incheng is rolling the application of products and thoughtful service into a unity. This attitude established good cooperation between the customer and us, which lead us to the co-prosperity for a long time and high effective.







电力设备



冶金设备



自动化流水线设备



造纸设备



包装机械



畜牧机械



舞台设备



塑料机械



汽车生产线设备



木工机械



化工搅拌设备



陶瓷设备



煤炭机械



粮油机械



建筑机械



环保水处理



环保垃圾处理



纺织印染设备

苏州城邦减速电机制造有限公司

SuZhou ChengBang ReducelerMotor Manufacturing CO.,Ltd

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