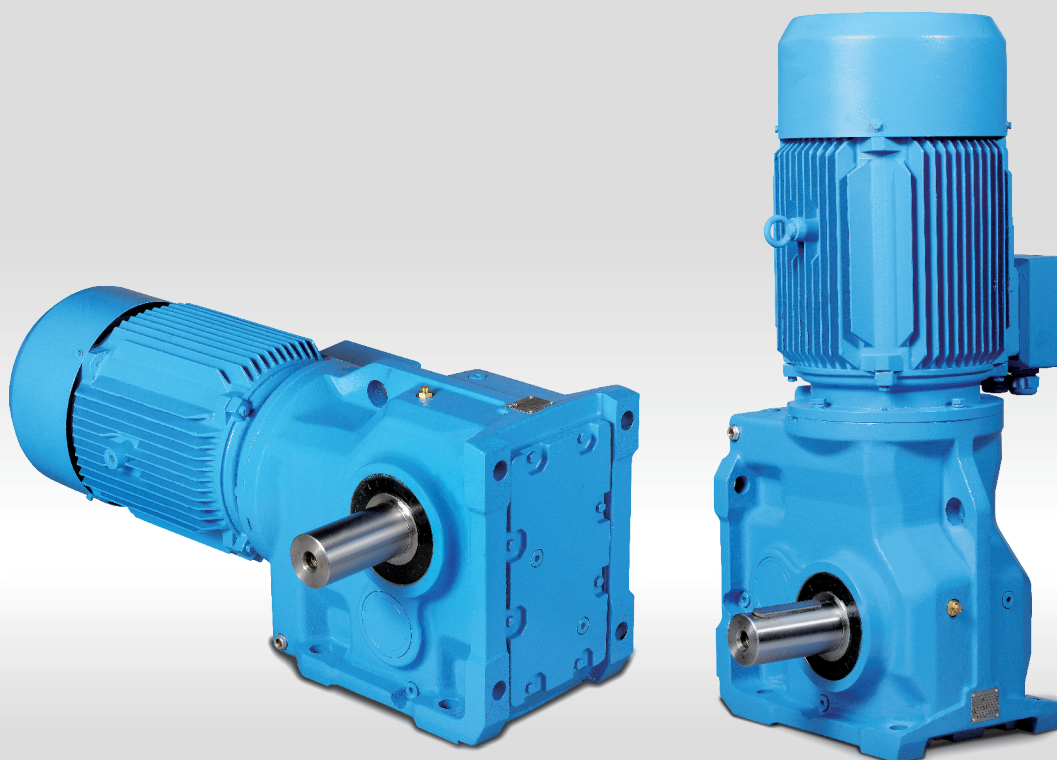


BONENG



博能 K斜齿-锥齿齿轮马达

K Helical-Bevel Gearmotor

05/2017

K斜齿—锥齿齿轮马达

K Helical-Bevel Gearmotor

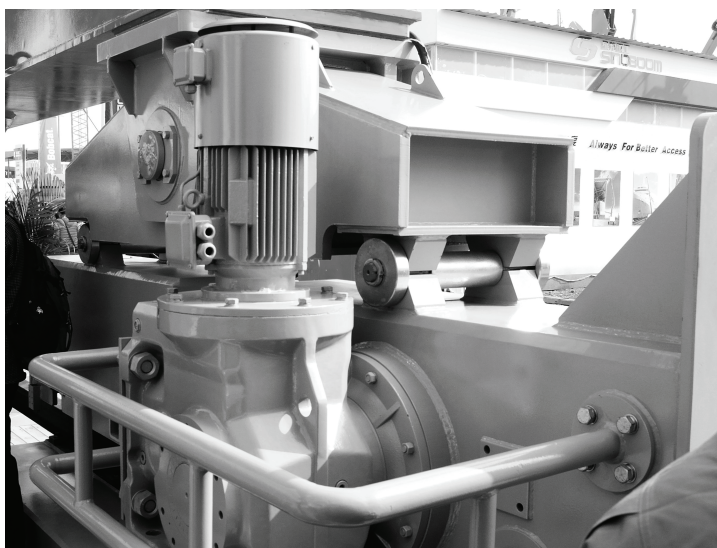
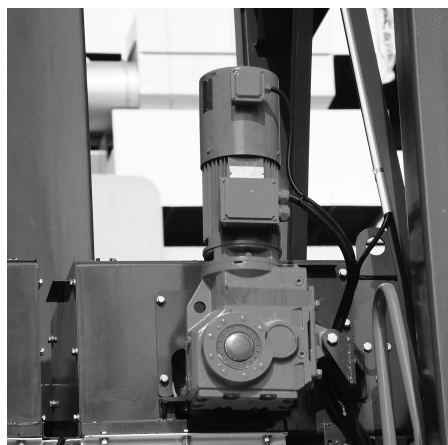
- ◆ 高度的模块化设计,零部件互换程度高,供货周期短, 容易实现各机型之间的组合连接。
- ◆ 传动比划分细,范围广,组合机型可获得较大的传动比。减速机适合在任意空间角度安装。
- ◆ 采用整体式铸造箱体,箱体结构刚度好,易于提高轴的强度和轴承寿命。
- ◆ 齿轮采用低碳合金钢淬火磨齿工艺和修形技术使产品具有更高的承载能力,运行可靠,噪音低,效率高,寿命长。
- ◆ 垂直输出, 结构紧凑, 硬齿面传动扭矩大, 高精度的齿轮保证了工作平稳, 噪音低, 寿命长。
- ◆ 安装方式: 底座安装、法兰安装、扭力臂安装、小法兰安装。
- ◆ 输入方式: 电机直联、轴输入、连接法兰输入。
- ◆ Highly modular design makes all the spare parts standardization and reducing the delivery time.Realize the combination of various series.Realize the combination of various series.
- ◆ Ratio in details and widely range,combination model can reach high ratio.Gearbox is suitable for installation in any angles.
- ◆ En-block casting housing and well rigidity structure,increase the shaft strength and lifespan of bearing.
- ◆ Low carbon alloy steel gear using carburizing grinding precision and modification to improve the loading capacity,cooling and noise reduction performance.
- ◆ Vertical output,compact structure,high transfer torque and precision gear ensure the long and smoothly operation.
- ◆ Mounting position:Foot-mounted,flange mounted,torque arm mounted and small-flange mounted small-flange mounted.
- ◆ Input model:Motor connection,shaft input and flange input.



公司产品广泛应用于港口船舶、冶金其中、物流运输、舞台行业、电力能源、煤炭矿山、水泥建材、林业造纸、农业机械、轻工纺织、化工塑料、节能环保等各个领域。公司总部和各大区域的技术专家、以及各区域办事处的应用工程师、售后服务技师竭诚为您提供全面的技术咨询和完善的服

务。博能公司全系列产品采用独创的模块化设计，零部件通用最大化，具有量产优势，标准零配件成本低，供货周期短，整个产品系列均采用高制造标准，保证了极好的承载能力和工作可靠性。

Company products are widely used in ports,metallurgy,hoist,logistics,transportation,arena,electric power,coal mining,cement,buiding materials,paper 8x forestry,agricultural machinery,light industry,textile,chemical plastics,energy conservation,environmental protection and other fields.The technical experts from headqurter and large arena,the application engineer from the regional offices and the after-sales service technician will provide you with comprehensive technical advice and perfect service.



注意事项！必须严格遵守以下各项！

Note: You must conform to the following instructions

- ◆ 样本中的结构示意图、外形图及其他附图只属于范例，无严格比例要求。（未注尺寸单位均为mm）。
- ◆ 所注重量仅为平均值，并不具有约束力。
- ◆ 为防止意外事故发生，所有旋转部件均按照使用者所在的国家和地区的安全规范购置方加罩保护。
- ◆ 试车之前必须认真阅读使用说明书。
- ◆ 齿轮箱在供货时已处于准运行状态，运行前需要加注润滑油。
- ◆ 本样本中注油量只作为参考值，实际注油量应以油镜上的标记为准。
- ◆ 润滑油粘度齿轮箱使用工况及使用环境温度选取。
- ◆ 只能采用国际知名牌的润滑油。
- ◆ The structure scheme, appearance diagram and other attached diagrams in sample and examples, there is no strict proportion requirement. (The unmarked dimension units are mm).
- ◆ We can only refer to the marked weight in the manual.
- ◆ To prevent accidents, all the rotation parts should be added with protective covers according to local safety regulations and laws.
- ◆ Before testing, users should read instruction manual carefully.
- ◆ Gear unit has been tested before delivered, users should add lubrication oil before running.
- ◆ We can only refer to the marked oil in the manual, Actual oil filling level should be the same with the mark on oil immersion lens.
- ◆ Lubrication oil viscosity should be selected according to working conditions and the temperature of local environment.
- ◆ Users can only use high quality lubrication oil.

产品功能标识 /Product Function Mark



油 镜/Oil glass



通气帽/Breather



进油孔/Oil filler



放油孔/Oil drain

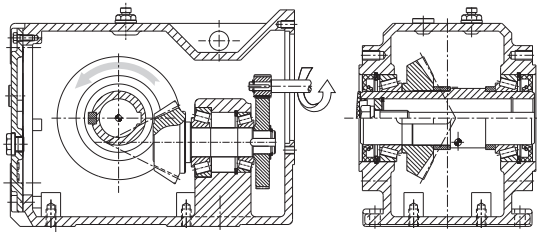


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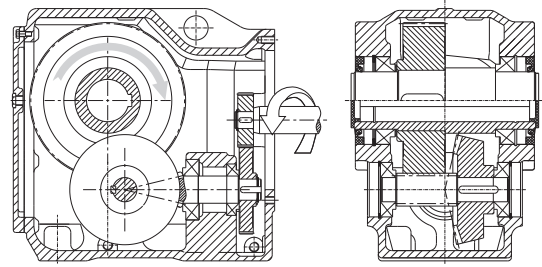


1 结构示意图:



KY 二级/2-stage

1 Sectional Drawings:



K 三级/3-stage

2 型号表示方法:

2 Type Designation

	KA	87	A	30.9	-	M7.5	+	T31	-	B51	-	90
K系列安装形式/K Series												
K = 底座式平键实心轴 Foot-mounted solid shaft with parallel key												
KH = 底座式带锁紧盘空心轴 Foot-mounted hollow shaft with shrink disk												
KW = 底座式平键空心轴 Foot-mounted hollow shaft with parallel key												
KN = 底座式渐开线花键空心轴 Foot-mounted hollow shaft with involute spline												
KF = 法兰式平键实心轴 Flange-mounted solid shaft with parallel key												
KL = 法兰式平键空心轴 Flange-mounted hollow shaft with parallel key												
KHL = 法兰式带锁紧盘空心轴 Flange-mounted hollow shaft with shrink disk												
KNF = 法兰式渐开线花键空心轴 Flange-mounted hollow shaft with involute spline												
KA = 扭力臂式平键空心轴 Torque-arm-mounted hollow shaft with parallel key												
KHA = 扭力臂式带锁紧盘空心轴 Torque-arm-mounted hollow shaft with shrink disk												
KNA = 扭力臂式渐开线花键空心轴 Torque-arm-mounted hollow shaft with involute spline												
KZ = 小法兰式平键空心轴 Short-flange-mounted hollow shaft with parallel key												
KHZ = 小法兰式带锁紧盘空心轴 Short-flange-mounted hollow shaft with shrink disk												
KNZ = 小法兰式渐开线花键空心轴 Short-flange-mounted hollow shaft with involute spline												
KYW = 底座式平键空心轴 Foot-mounted hollow shaft with parallel key												
KYL = 法兰式平键空心轴 Flange-mounted hollow shaft with parallel key												
机座号/Size												
输出轴方向/Output Shaft Direction												
A/B=单向/Unidirectional Output Shaft												
S=双向/Bidirectional Output Shaft												
公称减速比/Nominal Ratio												
输入部分/Input Part												
M=电机/Motor												
AE=轴输入/Input Shaft												
AG=法兰连接/Connection Flange												
附件和特殊要求/Accessories and Special Requests												
安装方位/Mounting Positions												
电机接线盒位置/Positions of Motor Terminal Box												

组合型举例/Combi-type Designation: KW87/CRL47-287-M1.1+E01-B3-90



3 安装方位、电机接线盒位置和输出轴方向

3 Mounting Positions, Position of Motor Terminal Box and Output Shaft Direction:

K..IKH...IKW...IKN...IKYW..	B3	B61	B8
	B31	B62	B81
	V5	V51	V6
KF..VKL...IKHL...IKNF...IKYL..	B51	B52	B53
	B54	B55	V3
	B56	B57	V1
KF..VKL...IKHL...IKNF...IKYL..	B58	B59	V11
	B60	B61	V12
	B62	B63	V13
KZ...KHZ...KNZ..	H1	H2	H3
	H4	H5	H6
	H7	H8	H9
KZ...KHZ...KNZ..	H11	H12	H13
	H14	H15	H16
	H17	H18	H19
KA...KHA...KNA..	H21	H22	H23
	H24	H25	H26
	H27	H28	H29



4 选型及举例：

4 Type Selection and Example:

序号 Steps	说 明 Description	代号 Symbols	参 数 计 算 Parameters Calculation and Guidelines			
1	被驱动设备系数 Driven Machine Factor	f ₁	负荷性质 Load Characteristic	每天使用时间（小时）/Operating hours per day (h)		
				≤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≥10次，请使用括号内数值。 Note: Apply values in the brackets when starts per hour are 10 times or more.						
2	输入转速 Input Speed	n ₁	≤1800r/min 更高转速请咨询 /Consult us if higher speed required.			
3	确定减速比 Calculation of the Ratio	i	i=n ₁ /n ₂			
4	齿轮传动效率 Transmission Efficiency	η	三级/3-stage		94%	
			二级/2-stage		88%	
5	以被驱动设备所需的扭矩或功率,确定齿轮箱的输入功率 Calculation of the input power of the gear unit on basis of the torque and power required by the driven machine.	P ₁	P ₁ =T ₂ · n ₁ /(9550 · i · η) 或/or P ₁ =P ₂ / η			
6	根据计算,查传动能力表,确定齿轮箱规格,直联电机时需查直联电机功率表 Determination of gear unit type referring to the table of transmission capacity after calculation, For directly-connected motor, require to refer to directly-connected motor power table.	T _{2N} 、P _{1N}	T _{2N} ≥T ₂ · f ₁ 或/or P _{1N} ≥P ₁ · f ₁			
7	径向力、轴向力校核 Check the radial and axial forces on the shafts.	F _{r1} /F _{r2} F _{a1} /F _{a2}	查第12页Fr ₁ 、Fr ₂ 表。 See P12.			
8	确认润滑方式 Determination of Lubrication system		一般采用飞溅润滑 Generally Splash Lubrication			
9	确认冷却方式 Determination of Cooling System		一般采用自然冷却 Generally Air Cooling			
10	按型号表示方法确定各项 Determination of every item included in the Type Designation		型号表示方法见第1页 For details about Type Designation, see P1.			
11	一般环境条件 Normal ambient conditions		环境温度：-10至40℃，空旷场地通风良好，海拔高度1000米以下，一般工厂灰尘。 Ambient temperature -10 to 40℃, ample space, good ventilation, altitude not exceeding 1000m and common plant dust.			
12	特殊环境条件 Special ambient conditions		高温、低温、灰尘多，化学作用（例：酸碱等），露天（直接日照、冰、水淋等），请咨询。 For higher or lower temperature, dusty sites, chemical reaction (acids, alkaline, etc), or open field (sunlight, ice, rain, etc), please consult us!			



1) 齿轮马达

已知条件:

- 1、被驱动设备所需功率 $P_2=10\text{kW}$ ，所需转速 $n_2=16.92\text{ r/min}$;
- 2、普通电机: 4极，转速 $n_1=1450\text{r/min}$;
- 3、负荷性质: 一般冲击，工作16小时/天，启动频率10次/小时;
- 4、安装输出形式: 单向实心输出轴A向，法兰安装，安装方位B51，接线盒位置为90度。

选型步骤:

- 1、根据负荷性质查表可得出被驱动设备系数 $f_1=1.75$;
- 2、确定速比 i_N :
 $i = n_1/n_2 = 1450/16.92 = 85.69$ ，取公称减速比 $i_N=85.9$;
- 3、计算输入功率并确定电机功率(查表得出齿轮传动效率 $\eta=94\%$):
 $P_1 = P_2/\eta = 10/0.94 = 10.64\text{kW}$ ，取电机功率为11kW;
查直联电机功率表，可直联;
- 4、确定齿轮马达额定功率 P_{1N} :
 $P_{1N} \geq P_2 \cdot f_1/\eta = 10 \times 1.75/0.94 = 10.64 \times 1.75 = 18.62\text{kW}$;
- 5、根据已知条件和以上数据，查传动能力表可选出齿轮马达型号为:
KF127A-85.9-M11-B51-90

2) 减速机

已知条件:

- 1、被驱动设备所需扭矩 $T_2=1500\text{N} \cdot \text{m}$ ，所需转速 $n_2=26\text{r/min}$;
- 2、用户自配电机的要求: 4极，转速 $n_1=1450\text{r/min}$;
- 3、负荷性质: 一般冲击，工作16小时/天，连续运转;
- 4、安装输出形式: 平键空心轴输出A向，底脚安装，安装方位B8。

选型步骤:

- 1、根据负荷性质查表可得出被驱动设备系数 $f_1=1.5$;
- 2、确定速比 i_N :
 $i = n_1/n_2 = 1450/26 = 55.77$ ，取公称减速比 $i_N=55.5$;
- 3、确定减速箱额定扭矩 T_{2N} 及额定功率 P_{1N} (传动效率 $\eta=94\%$):
 $T_{2N} \geq T_2 \cdot f_1 = 1500 \times 1.5 = 2250\text{N} \cdot \text{m}$;
 $P_{1N} \geq P_1 \cdot f_1 = T_2 \cdot f_1 \cdot n_1 / (9550 \cdot i_N \cdot \eta)$
 $= 1500 \times 1.5 \times 1450 / (9550 \times 55.5 \times 0.94)$
 $= 6.55\text{kW}$;
查传动能力表可得出K87满足要求($T_{2N}=2700\text{N} \cdot \text{m}$ ， $P_{1N}=7.24\text{KW}$);
- 4、确定输入部分:
根据 $P_{1N} \geq P_1 = T_2 \cdot n_1 / (9550 \cdot i_N \cdot \eta)$
 $= 1500 \times 1450 / (9550 \times 55.5 \times 0.94) = 4.37\text{kW}$;
用户自配的电机电功率取5.5KW，查轴输入尺寸图表选AE4即可;
- 5、根据已知条件和以上数据，可初选出减速机型号为:
KW87A-55.5-AE4-B8

1) Geared motor

Known Criteria:

1. The power required by the driven machine $P_2=10\text{kW}$, speed $n_2=16.92\text{r/min}$
2. Common motor: 4-pole, speed $n_1=1450\text{r/min}$
3. Load characteristics: moderate, working 16 hours/d and starting 10 times/h
4. Mounting mode: One-way solid output shaft A direction, flange-mounted, mounting position B51, terminal box position 90

Selection Steps:

1. By referring to the table of Load Characteristic, we get the driven machine factor $f_1=1.75$.
2. Calculation of the Ratio i_N :
As $i = n_1/n_2 = 1450/16.92 = 85.69$, nominal ratio $i_N=85.9$ is appropriate.
3. Calculation of the input power and determination of the motor power (transmission efficiency $\eta=94\%$):
 $P_1 = P_2/\eta = 10/0.94 = 10.64\text{kW}$, so 11kW motor is selected. Refer to the directly-connected motor power table, it can be directly-connected.
4. Determination of the nominal power of the geared motor P_{1N} :
 $P_{1N} \geq P_2 \cdot f_1/\eta = 10 \times 1.75/0.94 = 10.64 \times 1.75 = 18.62\text{kW}$
5. The type selected:
KF127A-85.9-M11-B51-90

2) Gear Unit

Known Criteria:

1. The torque required by the driven machine $T_2=1500\text{N} \cdot \text{m}$ and speed $n_2=26\text{r/min}$
2. The motor supplied by the users:
4-pole, speed $n_1=1450\text{r/min}$
3. Load characteristic: moderate, operating 16h/d continuously
4. Mounting mode: Parallel key solid shaft output A direction, flange-mounted, mounting position B8

Selection steps:

1. By referring to the table of Load Characteristic, we get the driven machine factor $f_1=1.5$.
2. Calculation of the ratio i_N :
As $i = n_1/n_2 = 1450/26 = 55.77$, nominal ratio $i_N=55.5$ is appropriate
3. Determination of the nominal torque T_{2N} and nominal power P_{1N} of the gear unit (transmission efficiency $\eta=94\%$):
 $T_{2N} \geq T_2 \cdot f_1 = 1500 \times 1.5 = 2250\text{N} \cdot \text{m}$;
 $P_{1N} \geq P_1 \cdot f_1 = T_2 \cdot f_1 \cdot n_1 / (9550 \cdot i_N \cdot \eta)$
 $= 1500 \times 1.5 \times 1450 / (9550 \times 55.5 \times 0.94)$
 $= 6.55\text{kW}$
In the table of Transmission Capacity, K87 meets the requirements ($T_{2N}=2700\text{N} \cdot \text{m}$, $P_{1N}=7.24\text{kW}$)
4. Determination of the input mode:
As $P_{1N} \geq P_1 = T_2 \cdot n_1 / (9550 \cdot i_N \cdot \eta)$
 $= 1500 \times 1450 / (9550 \times 55.5 \times 0.94) = 4.37\text{kW}$
and power of the user-supplied motor is specified as 5.5kW, in the table of Dimensions of the AE Input Shaft, AE4 is selected.
5. The type selected:
KW87A-55.5-AE4-B8



5 传动能力表

5 Transmission Capacity:

5.1 KY传动能力表

5.1 KY Series Transmission Capacity:

									KY.67			KY.77			KY.87			
n ₁ (r/min)	n _{2N} (r/min)	i _N							T _{2N} (N·m)	i _{ex}	P _{1N} (kW)	T _{2N} (N·m)	i _{ex}	P _{1N} (kW)	T _{2N} (N·m)	i _{ex}	P _{1N} (kW)	
1450	414	3.5							206	3.52	10.08	333	3.52	16.3	609	3.42	30.7	
	363	4							242	4.2	9.96	360	4.2	14.8	682	4.22	27.9	
	309	4.7							241	4.77	8.7	384	4.77	13.9	743	4.71	27.2	
	264	5.5							237	5.3	7.72	390	5.3	12.7	780	5.43	24.8	
	242	6							227	5.92	6.61	395	5.92	11.5	781	6.04	22.3	
	213	6.8							204	6.66	5.29	384	6.66	9.96	779	6.75	19.9	

5.2 K传动能力表

5.2 K Series Transmission Capacity:

			K..37			K..47			K..67			K..77			K..87			
n ₁ (r/min)	n _{2N} (r/min)	i _N	T _{2N} (N·m)	i _{ex}	P _{1N} (kW)	T _{2N} (N·m)	i _{ex}	P _{1N} (kW)	T _{2N} (N·m)	i _{ex}	P _{1N} (kW)	T _{2N} (N·m)	i _{ex}	P _{1N} (kW)	T _{2N} (N·m)	i _{ex}	P _{1N} (kW)	
1450	179	8.1	155	8.06	2.92	270	8.24	4.98	440	8.14	8.21	890	8.22	16.44	1400	8.01	26.5	
	148	9.8	160	9.93	2.45	280	9.82	4.33	480	9.73	7.49	940	9.83	14.52	1500	9.89	23	
	132	11.0	160	11.08	2.19	280	11.28	3.77	500	11.04	6.88	990	11.2	13.48	1500	11	20.6	
	116	12.5	160	12.45	1.95	280	12.42	3.42	530	12.28	6.55	1000	12.4	12.24	2000	12.7	23.9	
	101	14.3	170	14.24	1.81	380	14.37	4.02	700	14.42	7.37	1400	14.4	14.79	2100	14.1	22.6	
	85	17.1	180	17.56	1.56	380	17.13	3.37	740	17.23	6.52	1450	17.2	12.82	2200	17.4	19.2	
	76	19.0	185	19.59	1.43	400	19.67	3.09	760	19.55	5.9	1450	19.5	11.30	2300	19.5	18	
	66	22.0	185	21.97	1.28	400	21.65	2.81	780	21.74	5.45	1450	21.7	10.16	2300	22.4	15.6	
	58	25.0	195	24.78	1.19	400	25.2	2.41	820	24.3	5.12	1550	24.2	9.72	2500	24.9	15.2	
	52	27.9	200	28.15	1.08	400	28.05	2.17	820	27.33	4.56	1550	27.2	8.64	2600	27.9	14.2	
	47	30.9	200	30.11	1.01	400	31.43	1.93	820	30.96	4.02	1550	30.9	7.63	2700	31.4	13.1	
	41	35.7	200	36.16	0.84	400	36.07	1.68	820	36.46	3.41	1550	36.5	6.45	2500	35.7	10.6	
	34	43.2	200	42.25	0.72	400	43.01	1.41	820	43.56	2.86	1550	43.6	5.40	2600	44	8.97	
	29.0	50.0	200	49.74	0.61	400	49.38	1.23	820	49.43	2.52	1550	49.4	4.76	2700	49.2	8.34	
	26.1	55.5	200	55.77	0.54	400	54.36	1.12	820	54.97	2.26	1550	55	4.28	2700	56.6	7.24	
	23.2	62.4	200	62.91	0.48	400	63.27	0.96	820	61.45	2.03	1550	61.5	3.83	2700	63	6.51	
	20.7	70.1	200	71.47	0.42	400	70.44	0.86	820	69.09	1.8	1550	69.1	3.41	2700	70.5	5.82	
	18.7	77.7	200	76.42	0.4	400	78.92	0.77	820	78.27	1.59	1550	78.3	3.01	2700	79.3	5.17	
	16.9	85.9	200	88.08	0.34	400	83.77	0.72	820	85.82	1.45	1550	85.8	2.74	2700	86.3	4.75	
	14.2	102	200	102.9	0.3	400	101.5	0.6	820	102.1	1.22	1550	102	2.30	2700	103	3.99	
	12.4	117				400	117.1	0.52	820	116	1.07	1550	119	1.98	2700	116	3.54	
	11.5	126				400	126.4	0.48	820	124.1	1	1550	126	1.87	2700	127	3.23	
	10.1	143							820	143.7	0.87	1550	142	1.65	2700	140	2.93	
	9.1	159										1450	163	1.35	2000	164	1.85	
	8.4	172										1450	175	1.26	1550	174	1.35	
	7.6	191													1350	197	1.04	



KY.97			KY.107			KY.127											
	T _{2N} (N • m)	i _{ex}	P _{1N} (kW)	T _{2N} (N • m)	i _{ex}	P _{1N} (kW)	T _{2N} (N • m)	i _{ex}	P _{1N} (kW)								
	968	3.53	47.3	1388	3.42	70	2652	3.52	130								
	1096	4.22	44.8	1495	4.22	61.13	2763	4.2	113.5								
	1147	4.71	42	1564	4.71	57.28	2767	4.76	100.3								
	1146	5.43	36.4	1653	5.43	52.51	2763	5.47	87.16								
	1145	6.04	32.7	1634	6.04	46.67	2764	6.06	78.69								
	1142	6.75	29.2	1590	6.75	40.65	2761	6.74	70.68								

	K..97			K..107			K..127			K..157			K..167			K..187		
	T _{2N} (N • m)	i _{ex}	P _{1N} (kW)	T _{2N} (N • m)	i _{ex}	P _{1N} (kW)	T _{2N} (N • m)	i _{ex}	P _{1N} (kW)	T _{2N} (N • m)	i _{ex}	P _{1N} (kW)	T _{2N} (N • m)	i _{ex}	P _{1N} (kW)	T _{2N} (N • m)	i _{ex}	P _{1N} (kW)
	2660	8.2	49.3	4070	7.99	77.34	7230	8.18	134.2									
	2870	9.79	44.5	4190	9.87	64.46	8000	9.77	124.3									
	2870	10.93	39.9	4300	11.02	59.24	8000	11.09	109.5									
	3890	12.6	46.9	4300	12.7	51.41	8530	12.73	101.7									
	4300	14.58	44.8	6890	14.02	74.62	12100	14.42	127.4									
	4300	17.41	37.5	7050	17.31	61.84	13000	17.23	114.6									
	4300	19.45	33.6	7200	19.33	56.55	13000	19.51	101.2	18000	18.37	148.8	32000	18.52	262.3	41400	18.62	337.6
	4300	22.4	29.1	7200	22.27	49.09	13000	22.43	88	18000	22.15	123.4	32000	22.27	218.2	43900	22.27	299.3
	4300	24.92	26.2	7200	24.77	44.13	13000	24.85	79.4	18000	24.74	110.5	32000	25.76	188.6	47600	25.64	281.9
	4300	27.87	23.4	7200	27.7	39.47	13000	27.67	71.3	18000	28.5	95.89	32000	28.52	170.4	50000	28.29	268.4
	4300	31.38	20.8	7200	31.19	35.05	13000	31	63.7	18000	31.7	86.21	32000	31.72	153.2	50000	31.35	242.2
	4300	36.87	17.7	7200	35.45	30.84	13000	36.46	54.1	18000	36.49	74.9	32000	35.33	137.5	50000	34.44	220.4
	4300	44.02	14.8	7360	43.75	25.54	13000	43.56	45.3	18000	44.02	62.09	32000	44.22	109.9	50000	44.23	171.6
	4300	49.16	13.3	7480	48.87	23.24	13000	49.32	40.0	18000	49.04	55.73	32000	51.16	94.97	50000	51.18	148.3
	4300	56.64	11.5	8000	56.3	21.57	13000	56.72	34.8	18000	56.57	48.31	32000	56.64	85.78	50000	56.47	134.4
	4300	63	10.4	8000	62.62	19.40	13000	62.83	31.4	18000	62.95	43.42	32000	63	77.12	50000	61.46	123.5
	4300	70.46	9.3	8000	70.04	17.34	13000	69.95	28.2	18000	70.48	38.78	32000	70.17	69.24	50000	68.75	110.4
	4300	79.34	8.2	8000	78.87	15.40	13000	78.38	25.2	18000	79.37	34.43	32000	77.61	62.6	50000	76.08	99.8
	4300	86.33	7.6	8000	85.82	14.15	13000	85.82	23	18000	86.22	31.7	32000	86.34	56.27	50000	84.69	89.6
	4300	102.7	6.4	8000	102.1	11.90	13000	102.1	19.3	18000	102.6	26.64	32000	102.7	47.31	50000	100.8	75.3
	4300	115.8	5.6	8000	115.1	10.55	13000	115.1	17.2	18000	115.6	23.64	32000	115.8	41.96	50000	115.4	65.8
	4300	126.9	5.1	8000	126.1	9.63	13000	126.1	15.6	18000	126.8	21.55	32000	126.9	38.29	50000	126.5	60.0
	4300	147.3	4.4	5835	146.4	6.05	13000	146.4	13.5	18000	139.8	19.55	32000	139.9	34.73	50000	139.5	54.4
	4300	164.3	4.0	4651	163.4	4.32	10500	163.4	9.8	18000	157.8	17.32	32000	154.4	31.47	50000	153.9	49.3
	4300	174.2	3.7	4651	173.1	4.08	11300	173.1	9.9	18000	172.9	15.81	32000	169.2	28.72	50000	168.7	45
	4300	197.4	3.3	4651	196.2	3.60	12700	196.2	9.8	18000	196.8	13.89	32000	186.6	26.04	50000	186	40.8



5.3 K../CR..组合型传动能力表

5.3 K../CR.. Combi-type Transmission Capacity:

			K..37/CRL37			K..47/CRL37			K..67/CRL37			K..77/CRL37			K..87/CRL47			
n ₁ (r/min)	n _{2N} (r/min)	i _N	T _{2N} (N·m)	i _{ex}	P _{1N} (kW)	T _{2N} (N·m)	i _{ex}	P _{1N} (kW)	T _{2N} (N·m)	i _{ex}	P _{1N} (kW)	T _{2N} (N·m)	i _{ex}	P _{1N} (kW)	T _{2N} (N·m)	i _{ex}	P _{1N} (kW)	
1450	12.50	116	200	120.7	0.27	400	121.2	0.54	820	120.4	1.12	1550	120	2.13	2700	116.3	3.82	
	11.24	129	200	134.8	0.24	400	135.3	0.49	820	134.5	1.00	1550	134	1.91	2700	133.6	3.33	
	9.93	146	200	151	0.22	400	151.7	0.43	820	150.7	0.90	1550	150.2	1.70	2700	147	3.03	
	8.79	165	200	171.8	0.19	400	172.5	0.38	820	171.5	0.79	1550	170.8	1.50	2700	170.2	2.61	
	7.14	203	200	211.6	0.16	400	212.4	0.31	820	211.1	0.64	1550	210.4	1.21	2700	202.9	2.19	
	6.30	230	200	236.3	0.14	400	237.2	0.28	820	235.8	0.57	1550	234.9	1.09	2700	232.8	1.91	
	5.62	258	200	264.9	0.12	400	265.9	0.25	820	264.3	0.51	1550	263.4	0.97	2700	256.4	1.73	
	5.05	287	200	298.7		400	300	0.22	820	298.1	0.45	1550	297.1	0.86	2700	298.4	1.49	
	4.49	323	200	339.5		400	340.9	0.19	820	338.8	0.40	1550	337.6	0.76	2700	332.2	1.34	
	4.26	340	200	342.2		400	339.7	0.19	820	340.1	0.40	1550	340.1	0.75	2700	337.7	1.32	
	3.77	385	200	383.5		400	380.7	0.17	820	381.1	0.35	1550	381.1	0.67	2700	371.6	1.20	
	3.33	435	200	436.2		400	433.1	0.15	820	433.5	0.31	1550	433.5	0.59	2700	430.2	1.03	
	2.71	535	200	537.2		400	533.3	0.12	820	533.8	0.25	1550	533.8	0.48	2700	512.7	0.87	
	2.40	605	200	599.9		400	595.5		820	596.1	0.23	1550	596.1	0.43	2700	588.4	0.76	
	2.13	680	200	672.5		400	667.6		820	668.3	0.20	1550	668.3	0.38	2700	647.9	0.69	
	1.92	755	200	758.5		400	753		820	753.8	0.18	1550	753.8	0.34	2700	754.1	0.59	
	1.71	850	200	862		400	855.8		820	856.6	0.16	1550	856.6	0.30	2700	839.7	0.53	
	1.53	945	200	921.7		400	915		820	915.9	0.15	1550	915.9	0.28	2700	940.4	0.47	
	1.39	1040	200	1062		400	1054		820	1055	0.13	1550	1055	0.24	2700	998.4	0.45	
	1.17	1240	200	1240		400	1231		820	1232		1550	1232	0.21	2700	1210	0.37	
	1.07	1360	200	1351		400	1342		820	1343		1550	1343	0.19	2700	1361	0.33	
	0.88	1655	200	1666		400	1654		820	1655		1550	1655	0.15	2700	1623	0.27	
	0.78	1860	200	1859		400	1846		820	1848		1550	1848	0.14	2700	1864	0.24	
	0.69	2110	200	2085		400	2070		820	2072		1550	2072	0.12	2700	2051	0.22	
	0.61	2380	200	2371		400	2353		820	2356		1550	2356		2700	2388	0.19	
	0.49	2985	200	2922		400	2901		820	2904		1550	2904		2700	2983	0.15	
	0.44	3330	200	3261		400	3237		820	3241		1550	3241		2700	3323	0.13	
	0.39	3735	200	3657		400	3630		820	3634		1550	3634		2700	3659	0.12	
	0.34	4225	200	4124		400	4095		820	4099		1550	4099		2700	4258		
	0.31	4720	200	4686		400	4652		820	4656		1550	4656		2700	4741		
	0.28	5200	200	5011		400	4975		820	4980		1550	4980		2700	5310		
	0.24	5923	200	5926		400	5841		820	5729		1550	5729		2700	6103		
	0.22	6617				400	6635		820	6508		1550	6508		2700	6795		
	0.20	7290				400	7096		820	6960		1550	6960		2700	7610		
	0.18	8062				400	8179		820	8022		1550	8022		2700	8082		
	0.15	9604				400	9552		820	9369		1550	9369		2700	9794		
	0.13	11006													2700	11295		
	0.12	11917													2700	12197		
	0.11	13459																



	K..97/CRL67			K.107/CRL77			K..127/CRL87			K..157/CRL107			K..167/CRL107			K..187/CRL107		
	T _{2N} (N·m)	i _{ex}	P _{1N} (kW)	T _{2N} (N·m)	i _{ex}	P _{1N} (kW)	T _{2N} (N·m)	i _{ex}	P _{1N} (kW)	T _{2N} (N·m)	i _{ex}	P _{1N} (kW)	T _{2N} (N·m)	i _{ex}	P _{1N} (kW)	T _{2N} (N·m)	i _{ex}	P _{1N} (kW)
	4300	118.6	5.97	8000	115.2	11.44	13000	118	18.15	18000	111.3	26.64	32000	111.1	47.45	50000	112.3	73.35
	4300	134.6	5.26	8000	130.9	10.07	13000	131.9	16.24	18000	124.4	23.84	32000	124.1	42.48	50000	125.4	65.69
	4300	149.6	4.74	8000	145.4	9.06	13000	151.8	14.11	18000	143.3	20.69	32000	143	36.87	50000	144.4	57.05
	4300	171	4.14	8000	162.6	8.11	13000	169	12.67	18000	159.3	18.62	32000	159.1	33.14	50000	160.7	51.26
	4300	204.2	3.47	8000	204.1	6.46	13000	207.2	10.34	18000	196.2	15.11	32000	197.8	26.65	50000	199.8	41.23
	4300	231.6	3.06	8000	231.8	5.69	13000	230.8	9.28	18000	218.6	13.57	32000	220.4	23.92	50000	222.6	37.01
	4300	257.7	2.75	8000	257.3	5.12	13000	266.1	8.05	18000	252	11.77	32000	254.1	20.75	50000	256.7	32.09
	4300	288.1	2.46	8000	288.2	4.57	13000	296.2	7.23	18000	280.5	14.22	32000	282.8	18.64	50000	285.7	28.83
	4300	323.8	2.19	8000	324.4	4.06	13000	331.7	6.46	18000	314.1	9.44	32000	316.7	16.65	50000	319.9	25.75
							K..127/CRL77			K..157/CRL97			K..167/CRL97					
	4300	340.2	2.08	8000	330.8	3.98	13000	333.9	6.41	18000	332	8.93	32000	346.4	15.22	50000	346.5	23.77
	4300	378	1.87	8000	367.5	3.59	13000	370.9	5.77	18000	382.5	7.75	32000	399	13.21	50000	399.2	20.63
	4300	432.1	1.64	8000	411	3.21	13000	414.8	5.16	18000	425.2	6.97	32000	443.6	11.88	50000	443.7	18.57
	4300	516.2	1.37	8000	516.1	2.55	13000	520.8	4.11	18000	523.7	5.66	32000	546.4	9.65	50000	546.6	15.07
	4300	585.5	1.21	8000	586	2.25	13000	591.3	3.62	18000	583.6	5.08	32000	608.8	8.66	50000	609	13.53
	4300	651.4	1.09	8000	650.5	2.03	13000	656.4	3.26	18000	672.8	4.41	32000	701.9	7.51	50000	702.2	11.73
	4300	728.1	0.97	8000	728.7	1.81	13000	735.4	2.91	18000	748.8	3.96	32000	781.2	6.75	50000	781.5	10.54
																K..187/CRL97		
	4300	818.5	0.87	8000	820	1.61	13000	827.6	2.59	18000	838.6	3.54	32000	874.8	6.03	50000	875.2	9.41
	4300	927.2	0.76	8000	927.6	1.42	13000	936.1	2.29	18000	944.5	3.14	32000	985.3	5.35	50000	985.7	8.36
	4300	1017	0.70	8000	1016	1.30	13000	1025	2.09	18000	1026	2.89	32000	1070	4.93	50000	1071	7.69
	4300	1209	0.59	8000	1210	1.09	13000	1221	1.75	18000	1221	2.43	32000	1274	4.14	50000	1274	6.47
	4300	1344	0.53	8000	1349	0.98	13000	1361	1.57	18000	1325	2.24	32000	1382	3.81	50000	1383	5.96
	4300	1602	0.44	8000	1619	0.81	13000	1633	1.31	18000	1639	1.81	32000	1710	3.08	50000	1711	4.81
	4300	1839	0.39	8000	1838	0.72	13000	1855	1.15	18000	1826	1.62	32000	1905	2.77	50000	1906	4.32
	4300	2025	0.35	8000	2040	0.65	13000	2059	1.04	18000	2107	1.41	32000	2198	2.40	50000	2199	3.75
	4300	2357	0.30	8000	2285	0.58	13000	2306	0.93	18000	2345	1.26	32000	2446	2.16	50000	2447	3.37
	4300	2940	0.24	8000	2908	0.45	13000	2935	0.73	18000	2956	1.00	32000	3084	1.71	50000	3085	2.67
	4300	3280	0.22	8000	3240	0.41	13000	3270	0.65	18000	3224	0.92	32000	3363	1.57	50000	3365	2.45
	4300	3611	0.20	8000	3597	0.37	13000	3630	0.59	18000	3719	0.80	32000	3880	1.36	50000	3881	2.12
	4300	4203	0.17	8000	4028	0.33	13000	4065	0.53	18000	4139	0.72	32000	4318	1.22	50000	4320	1.91
	4300	4679	0.15	8000	4518	0.29	13000	4560	0.47	18000	4634	0.64	32000	4834	1.09	50000	4836	1.70
	4300	5240	0.14	8000	5126	0.26	13000	5174	0.41	18000	5218	0.57	32000	5443	0.97	50000	5446	1.51
	4300	6024	0.12	8000	5773	0.23	13000	5765	0.37	18000	5949	0.50	32000	5922	0.89	50000	5803	1.42
	4300	6706		8000	6475	0.20	13000	6467	0.33	18000	6660	0.45	32000	6630	0.80	50000	6496	1.27
	4300	7511		8000	7347	0.18	13000	7338	0.29	18000	7499	0.40	32000	7466	0.71	50000	7315	1.13
	4300	7975		8000	8055	0.16	13000	8044	0.27	18000	8147	0.36	32000	8112	0.65	50000	7948	1.04
	4300	9667		8000	9588	0.14	13000	9576	0.22	18000	9698	0.31	32000	9655	0.55	50000	9460	0.87
	4300	11140		8000	10884	0.12	13000	10870	0.20	18000	10924	0.27	32000	10876	0.48	50000	10662	0.77
	4300	12035		8000	11655	0.11	13000	11640	0.18	18000	11982	0.25	32000	11929	0.44	50000	11679	0.70
				8000	13483	0.10	13000	13465	0.16	18000	13215	0.22	32000	13157	0.40	50000	12889	0.64



6 直连电机功率表

6 Directly connected motor power table:

P_m (kW) iN	0.12	0.18	0.25	0.37	0.55	0.75	1.1	1.5	2.2	0.12	0.18	0.25	0.37	0.55	0.75	1.1	1.5	2.2	3
3.5																			
4																			
4.7																			
5.5																			
6																			
6.8																			
8.1																			
9.8																			
11																			
12.5																			
14.3																			
17.1																			
19																			
22																			
25																			
27.9																			
30.9																			
35.7																			
43.2																			
50																			
55.5																			
62.4																			
70.1																			
77.7																			
85.9																			
102																			
117																			
126																			
143																			
159																			
172																			
191																			

P_m (kW) iN	0.12	0.18	0.25	0.37	0.55	0.75	1.1	1.5	2.2	3	4	5.5	0.25	0.37	0.55	0.75	1.1	1.5	2.2	3	4	5.5	7.5	11
3.5																								
4																								
4.7																								
5.5																								
6																								
6.8																								
8.1																								
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11																								
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27.9																								
30.9																								
35.7																								
43.2																								
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55.5																								
62.4																								
70.1																								
77.7																								
85.9																								
102																								
117																								
126																								
143																								
159																								
172																								
191																								

注:1. 符号表示可直联电机;
2. 符号表示可直联电机(电机功率大于减速机的额定输入功率,即 $P_1 > P_{1N}$);
3. 符号表示不可直联电机;
4. 电机功率的选择应符合相应的被驱动设备系数及选型规定;
5. 电机为4极电机。

Note:1. means permissible directly-connected motor,
2. means permissible directly-connected motor(The motor's power is more than nominal input power of gear unit, $P_1 > P_{1N}$),
3. means unallowed directly-connected motor.
4. The selection of motor shall be suitable for driver machine factor and regulations of type selection.
5. The motor is 4-pole motor.



$\frac{P_m}{iN}$ (kW)	0.55	0.75	1.1	1.5	2.2	3	4	5.5	7.5	11	15	18.5	22	0.75	1.1	1.5	2.2	3	4	5.5	7.5	11	15	18.5	22	30
3.5																										
4																										
4.7																										
5.5																										
6																										
6.8																										
8.1																										
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35.7																										
43.2																										
50																										
55.5																										
62.4																										
70.1																										
77.7																										
85.9																										
102																										
117																										
126																										
143																										
159																										
172																										
191																										

$\frac{P_m}{iN}$ (kW)	1.5	2.2	3	4	5.5	7.5	11	15	18.5	22	30	37	45	2.2	3	4	5.5	7.5	11	15	18.5	22	30	37	45	55	75	90
3.5																												
4																												
4.7																												
5.5																												
6																												
6.8																												
8.1																												
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159																												
172																												
191																												

注: 1. ☐ 符号表示可直联电机;
 2. ☒ 符号表示可直联电机(电机功率大于减速机的额定输入功率, 即 $P_1 > P_{1N}$);
 3. ☐ 符号表示不可直联电机;
 4. 电机功率的选择应符合相应的被驱动设备系数及选型规定;
 5. 电机为4极电机。

Note: 1. ☐ means permissible directly-connected motor.
 2. ☒ means permissible directly-connected motor(The motor's power is more than nominal input power of gear unit, $P_1 > P_{1N}$),
 3. ☐ means unallowed directly-connected motor.
 4. The selection of motor shall be suitable for driver machine factor and regulations of type selection.
 5. The motor is 4-pole motor.



$\frac{P_m}{i_N}$ (kW)	7.5	11	15	18.5	22	30	37	45	55	75	90	110	132	7.5	11	15	18.5	22	30	37	45	55	75	90	110	132	160	200
19																												
22																												
25																												
27.9																												
30.9																												
35.7																												
43.2																												
50																												
55.5																												
62.4																												
70.1																												
77.7																												
85.9																												
102																												
117																												
126																												
143																												
159																												
172																												
191																												

$\frac{P_m}{i_N}$ (kW)	15	18.5	22	30	37	45	55	75	90	110	132	160	200															
19																												
22																												
25																												
27.9																												
30.9																												
35.7																												
43.2																												
50																												
55.5																												
62.4																												
70.1																												
77.7																												
85.9																												
102																												
117																												
126																												
143																												
159																												
172																												
191																												

注: 1. $\square$ 符号表示可直联电机;
2. $\blacksquare$ 符号表示可直联电机(电机功率大于减速机的额定输入功率, 即 $P_1 > P_{1N}$);
3. $\square$ 符号表示不可直联电机;
4. 电机功率的选择应符合相应的被驱动设备系数及选型规定;
5. 电机为4极电机。

Note: 1. $\square$ means permissible directly-connected motor,
2. $\blacksquare$ means permissible directly-connected motor(The motor's power is more than nominal input power of gear unit, $P_1 > P_{1N}$),
3. $\square$ means unallowed directly-connected motor.
4. The selection of motor shall be suitable for driver machine factor and regulations of type selection.
5. The motor is 4-pole motor.



7 允许径向力和轴向力

7.1 输入轴径向力Fr1表(N):

	Fr1(N)					
	KY67	KY77	KY87	KY97	KY107	KY127
AE3	1504	1504	/	/	/	/
AE4	/	2188	2188	/	/	/
AE5	/	/	4207	4207	4207	/
AE6	/	/	/	5664	5664	5664
AE7	/	/	/	/	/	9957
AE8	/	/	/	/	/	12546

7.2 输入轴径向力Fr1表(N):

n _{2N} (r/min)	Fr1(N)										
	K..37	K..47	K..67	K..77	K..87	K..97	K..107	K..127	K..157	K..167	K..187
AE2	803	803	803	803	803	/	/	/	/	/	/
AE3	/	1504	1504	1504	1504	1504	1504	/	/	/	/
AE4	/	/	/	2188	2188	2188	2188	2188	/	/	/
AE5	/	/	/	/	4207	4207	4207	4207	4207	4207	4207
AE6	/	/	/	/	/	5664	5664	5664	5664	5664	5664
AE7	/	/	/	/	/	/	/	9957	9957	9957	9957
AE8	/	/	/	/	/	/	/	12546	12546	12546	12546

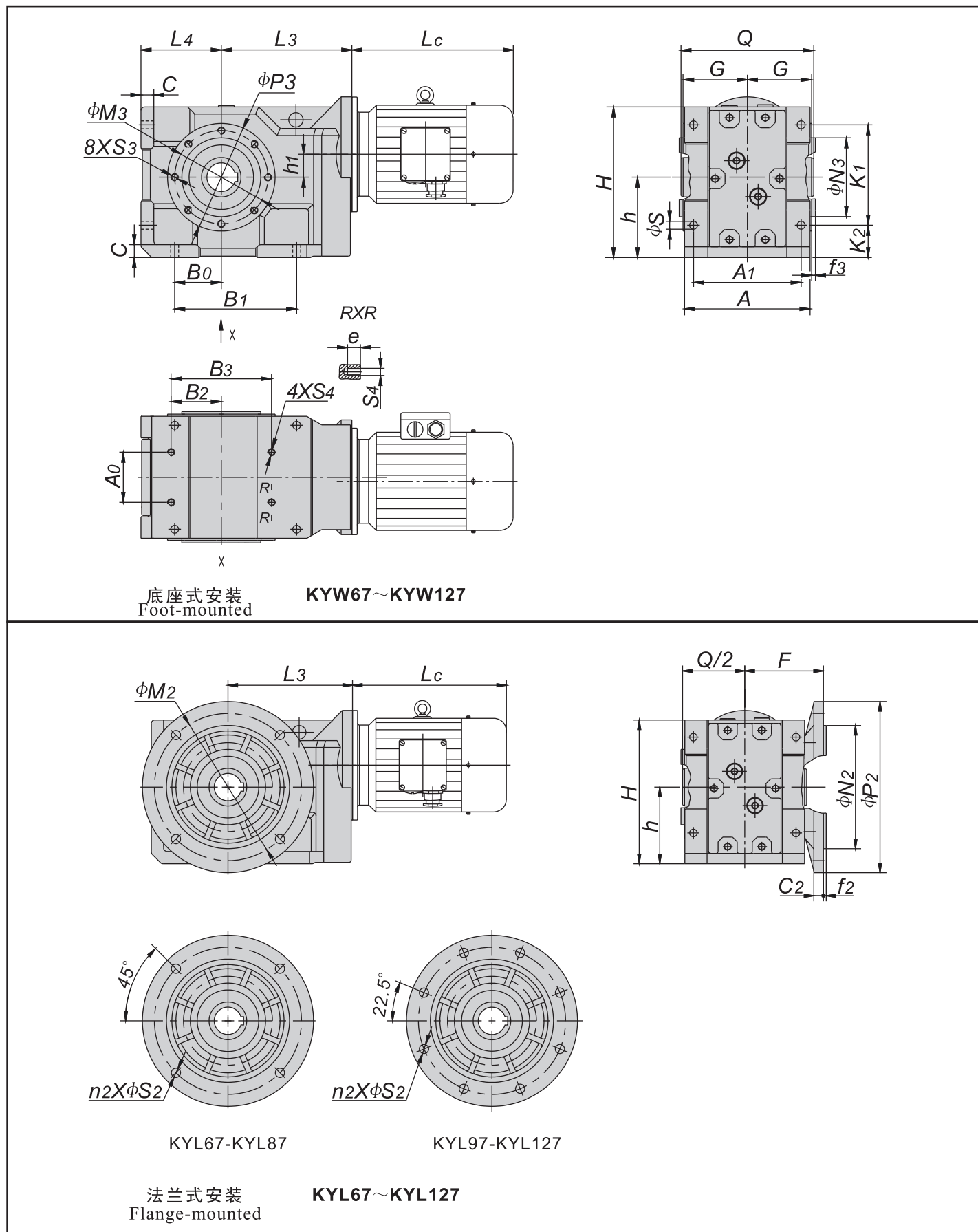
7.3 输出轴径向力Fr2表(N):

n _{2N} (r/min)	Fr2(N)										
	K..37	K..47	K..67	K..77	K..87	K..97	K..107	K..127	K..157	K..167	K..187
160 ~ 225	1899	3150	9990	11135	12150	14220	22140	29250	/	/	/
140 ~ 160	2070	3240	10350	12510	12780	14760	23220	29700	/	/	/
125 ~ 140	2250	3510	10620	12960	13410	14580	24300	30510	/	/	/
112 ~ 125	2340	3348	11070	13590	13320	14470	25200	31860	/	/	/
90 ~ 112	2430	3510	10260	13500	13770	15300	19710	28620	/	/	/
80 ~ 90	2610	3807	9900	14490	14670	16020	21240	30240	/	/	/
71 ~ 80	2799	3960	9720	14130	15120	17190	23490	31500	38800	66600	74700
63 ~ 71	2880	4239	9720	13860	16110	18810	26010	34200	42300	69750	76770
56 ~ 63	2997	4500	9360	13860	16200	19800	28800	36900	46800	73500	78120
50 ~ 56	3150	4770	9270	13860	16650	20970	29700	38700	48600	79740	81180
45 ~ 50	3285	5040	9270	13860	17280	22050	31500	41340	51300	81900	85050
35.5 ~ 45	3375	5328	9270	13860	19260	23130	33300	44460	54000	89730	92700
31.5 ~ 35.5	3960	5328	9270	13860	20520	25470	36450	48600	60300	96660	101430
28 ~ 31.5	4194	5328	9270	13860	21150	27900	37980	52200	65250	105300	113400
25 ~ 28	4410	5328	9270	13860	22500	29070	39960	53910	67410	108000	113490
22.4 ~ 25	4662	5328	9270	13860	23580	30420	41220	57600	71100	114300	123300
20 ~ 22.4	4968	5328	9270	13860	24570	32040	43200	60930	75780	126000	130500
18 ~ 20	5076	5328	9270	13860	24570	33390	45450	63000	79200	126090	132300
16 ~ 18	5076	5328	9270	13860	24570	34920	47700	66150	82710	132480	143100
≤16	5076	5328	9270	13860	24570	36000	51300	71280	88200	135000	152910

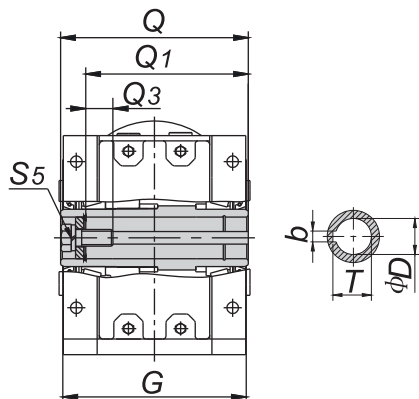


8 安装、输出形式及尺寸图表
KY.67~KY.127

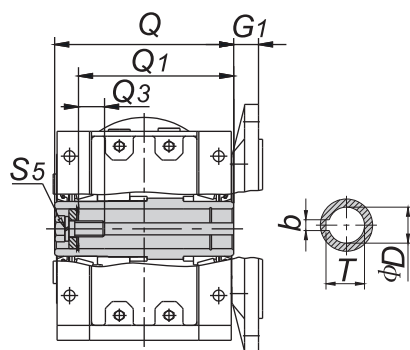
8 Mounting , Output Modes and Dimensions:



说明:要求带实心轴、收缩盘和花键空心轴输出时请来电咨询。



平键空心轴
Hollow shaft with parallel key



平键空心轴
Hollow shaft with parallel key

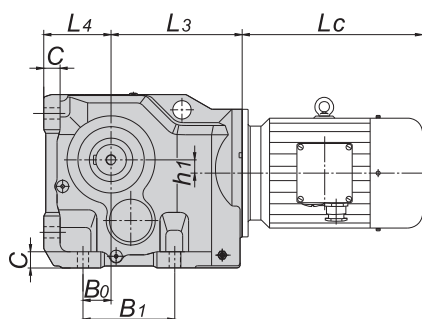
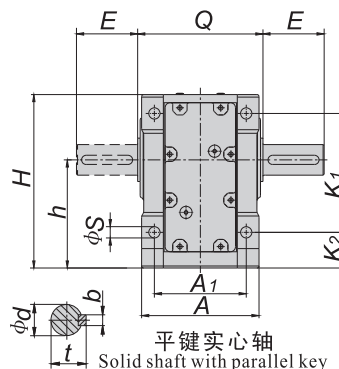
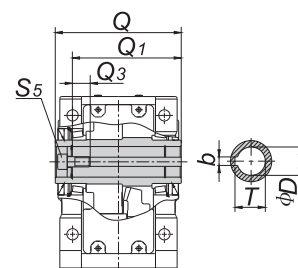
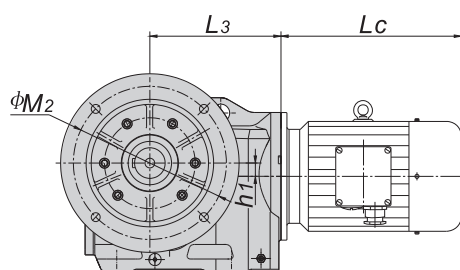
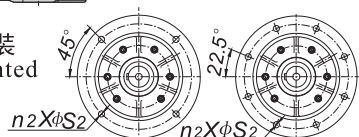
规格 Size	67	77	87	97	107	127
A	165	200	225	295	345	400
A0	70	88	102	118	160	190
A1	140	170	190	255	295	335
b	12	14	18	20	25	28
B0	65	80	90	110	145	175
B1	170	220	235	280	355	410
B2	70	87	100.5	125	153	174
B3	140	174	201	250	306	348
C	18	24	27	32	36	40
C2	14	16	18	22	22	25
D	40H7	50H7	60H7	70H7	90H7	100H7
e	18	21	28	28	35	42
F	120	139	154	200	216	256
f2	4	4	5	5	5	5
f3	3.5	3.5	4	4	4	5
G1	27	36	36	50	43	53
G	93	103	118	150	173	203
H	212	267	317	367	439	520
h	112	140	160	180	240	280
h1	31.95	40.38	56.22	70.84	74.75	90.46
K1	140	175	205	250	280	345
K2	45	55	70	70	95	105
L3	182	230	245	290	360	405
L4	112	140	160	180	240	280
M2	215	265	300	400	400	500
M3	130	165	178	215	265	300
N2	180h7	230h7	250h7	350h7	350h7	450h7
N3	110h7	130h7	155h7	180h7	230h7	250h7
n2	4	4	4	8	8	8
P2	250	300	350	450	450	550
P3	150	190	215	250	300	335
Q	185	210	236	300	346	405
Q1	160	183	206	270	309	368
Q3	26	28	38	40	39	46
S	11	13.5	17.5	22	26	33
S2	13.5	13.5	17.5	17.5	17.5	17.5
S3	M10	M12	M16	M16	M16	M16
S4	M10	M12	M16	M16	M20	M24
S5	M16	M16	M20	M20	M24	M24
T	43.3	53.8	64.4	74.9	95.4	106.4
重量* Weight (kg)	28	50	72	110	195	325

注:*重量不含电机和润滑油。

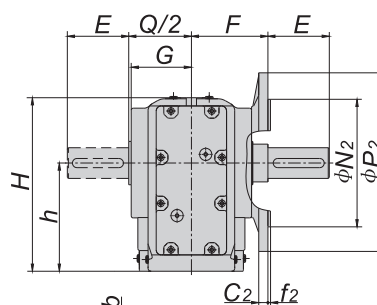
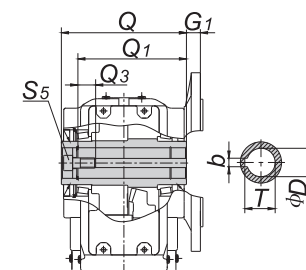
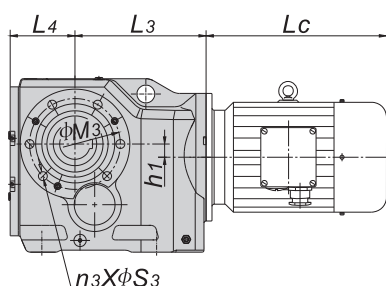
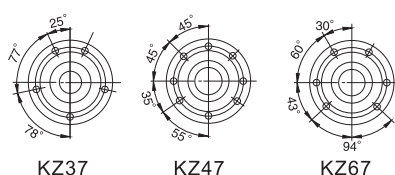
Note: * The weight of motor and lubricant is not included.



K..37~K..107

底座式安装
Foot-mounted平键实心轴
Solid shaft with parallel key
K37~K107平键空心轴
Hollow shaft with parallel key
KW37~KW107法兰式安装
Flange-mounted

K..37~K..87 K..97~K..107

平键实心轴
Solid shaft with parallel key
KF37~KF107平键空心轴
Hollow shaft with parallel key
KL37~KL107小法兰式安装
Short-flange mounted

KZ37

KZ47

KZ67



KZ77



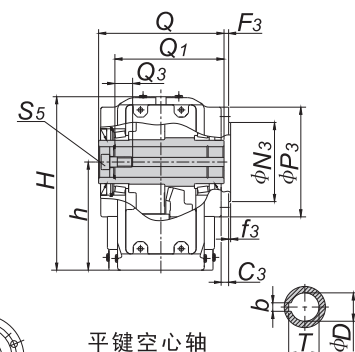
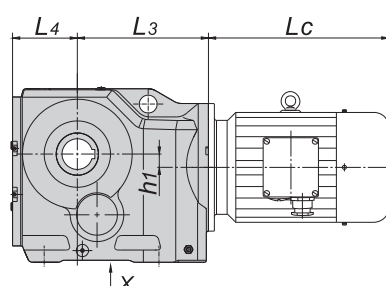
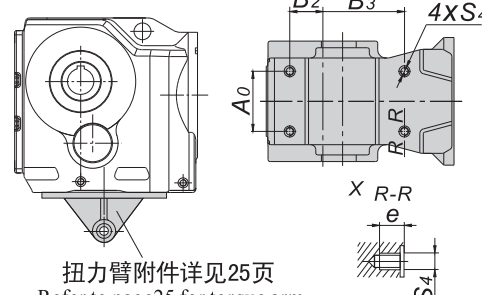
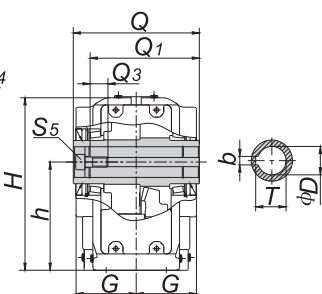
KZ87



KZ97



KZ107

平键空心轴
Hollow shaft with parallel key
KZ37~KZ107轴装式安装(可用于扭力臂安装)
Shaft-mounted (Applicable for torque arm-mounted)扭力臂附件详见25页
Refer to page25 for torque arm平键空心轴
Hollow shaft with parallel key
KA37~KA107

注:* 在KHL、KHA、KHZ中锁紧盘只能处在法兰、小法兰和扭力臂的异侧; 在KH中, 胀紧盘只能处在A/B向输出的异侧。

** 内花键 DIN 5480, 模数m×齿数Z×压力角α×大径D6×9H。

***重量不含电机和润滑油。



		外形尺寸 Outline Dimensions	规格 Size	37	47	67	77	87	97	107
			A	120	145	170	200	230	290	340
锁紧盘空心轴 Hollow shaft with shrink disk KH37~KH107	渐开线花键空心轴 Hollow shaft with involute spline KN37~KN107	A0	60	70	88	102	118	160	190	
		A1	100	120	140	165	180	240	270	
		e	20	20	25	32	32	36	44	
		e1	14	14	20	20	26	26	32	
锁紧盘空心轴* Hollow shaft with shrink disk KHL37~KHL107	渐开线花键空心轴 Hollow shaft with involute spline KNF37~KNF107	F	84	100	113	142	150	191.5	215.5	
		f2	3.5	3.5	4	4	5	5	5	
		f3	3	3	3.5	3.5	4	4	4	
		G	58	73	88	103	118	148	173	
锁紧盘空心轴* Hollow shaft with shrink disk KHZ37~KHZ107	渐开线花键空心轴 Hollow shaft with involute spline KNZ37~KNZ107	H	164	186	228	288	340	417	503	
		h	100	112	140	180	212	265	315	
		h1	8.5	7.2	20	31.3	25.9	32.3	52	
		K1	115	130	160	200	233	295	360	
锁紧盘空心轴* Hollow shaft with shrink disk KHA37~KHA107	渐开线花键空心轴 Hollow shaft with involute spline KNA37~KNA107	K2	32	37	45	55	70	83	95	
		L3	155	174	187	215	261	276	346	
		L4	63	71	90	112	132	160	200	
		M2	130	165	215	265	300	400	400	
锁紧盘空心轴* Hollow shaft with shrink disk KHA37~KHA107	渐开线花键空心轴 Hollow shaft with involute spline KNA37~KNA107	M3	94	102	125	142	178	220	260	
		N2	110h7	130h7	180h7	230h7	250h7	350h7	350h7	
		N3	80h7	80h7	105h7	125h7	155h7	180h7	210h7	
		n2	4	4	4	4	4	8	8	
锁紧盘空心轴* Hollow shaft with shrink disk KHA37~KHA107	渐开线花键空心轴 Hollow shaft with involute spline KNA37~KNA107	n3	5	8	6	8	6	8	8	
		P2	160	200	250	300	350	450	450	
		P3	110	120	155	170	215	260	304	
		S	11	11	13.5	17.5	22	26	33	
锁紧盘空心轴* Hollow shaft with shrink disk KHA37~KHA107	渐开线花键空心轴 Hollow shaft with involute spline KNA37~KNA107	S2	9	11	13.5	13.5	17.5	17.5	17.5	
		S3	9	9	13.5	13.5	17.5	17.5	22	
		S4	M8	M10	M12	M16	M16	M20	M24	
		S7	M8	M8	M12	M12	M16	M16	M20	
锁紧盘空心轴* Hollow shaft with shrink disk KHA37~KHA107	渐开线花键空心轴 Hollow shaft with involute spline KNA37~KNA107	b	8	10	12	14	18	20	25	
		D	30H7	35H7	40H7	50H7	60H7	70H7	90H7	
		D2	30H7	35H7	40H7	50H7	65H7	75H7	85H7	
		D3	30H7	35H7	40H7	50H7	65H7	75H7	90H7	
锁紧盘空心轴* Hollow shaft with shrink disk KHA37~KHA107	渐开线花键空心轴 Hollow shaft with involute spline KNA37~KNA107	D5	37H7	37H7	42H7	55H7	72H7	72H7	90H7	
		d	25k6	35k6	40k6	50k6	60m6	70m6	90m6	
		d8	86	86	96	122	150	160	207	
		E	50	60	80	100	120	140	170	
锁紧盘空心轴* Hollow shaft with shrink disk KHA37~KHA107	渐开线花键空心轴 Hollow shaft with involute spline KNA37~KNA107	F3	9	9	10	12	13	16	20	
		G1	24	25	23	37	30	41.5	41	
		Q	120	150	180	210	240	300	350	
		Q1	105	132	156	183	210	270	313	
锁紧盘空心轴* Hollow shaft with shrink disk KHA37~KHA107	渐开线花键空心轴 Hollow shaft with involute spline KNA37~KNA107	Q3	17	22	29	39	44	37.3	40	
		Q4	16	18	18	27	36.5	36.5	36.5	
		S5	M10	M12	M16	M16	M20	M20	M24	
		S6	M10	M10	M10	M16	M20	M20	M20	
锁紧盘空心轴* Hollow shaft with shrink disk KHA37~KHA107	渐开线花键空心轴 Hollow shaft with involute spline KNA37~KNA107	T	33.3	38.3	43.3	53.8	64.4	74.9	95.4	
		t	28	38	43	53.5	64	74.5	95	
		W	146	177	208	241	281	345	405	
		W1	31	32	38	36	41	55	65	
锁紧盘空心轴* Hollow shaft with shrink disk KHA37~KHA107	渐开线花键空心轴 Hollow shaft with involute spline KNA37~KNA107	W2	20	20	20	30	40	50	60	
		W3	91	118	141	162	182	242	292	
		W4	18	18	25	23	25	25	26	
		W5	12	11	12	9	9	11	38	
锁紧盘空心轴* Hollow shaft with shrink disk KHA37~KHA107	渐开线花键空心轴 Hollow shaft with involute spline KNA37~KNA107	m**	1.25	2	2	2	2	2	3	
		Z**	22	16	16	24	31	34	27	
		α**	30	30	30	30	30	30	30	
		D6**	30	35	35	50	65	70	85	
		重量*** Weight	(kg)	12	20	30	49	80	150	250

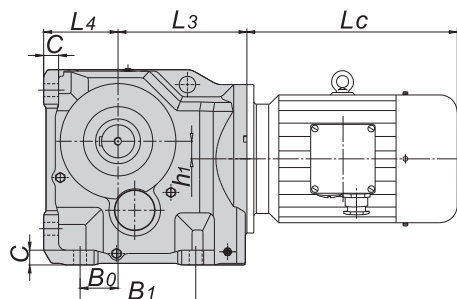
Note: * For KHL, KHA, KHZ, shrink disk should be installed on the opposite side of flange, short-flange and torque-arm, For KH, shrink disk should be installed on the opposite side of A/B extension.

** Involute spline acc. to DIN 5480 Module M × number of teeth Z × Pressure angle α × Major diameter D6x9H.

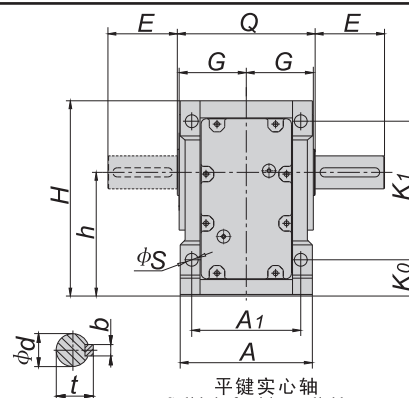
*** The weight of motor and lubricant is not included.



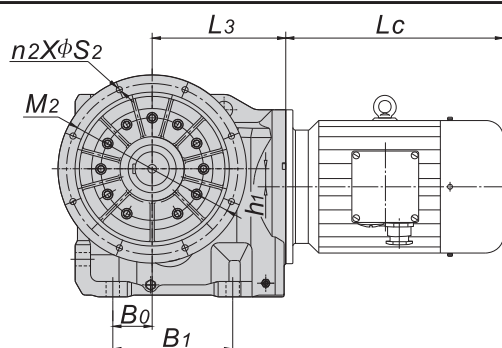
K..127、K..157



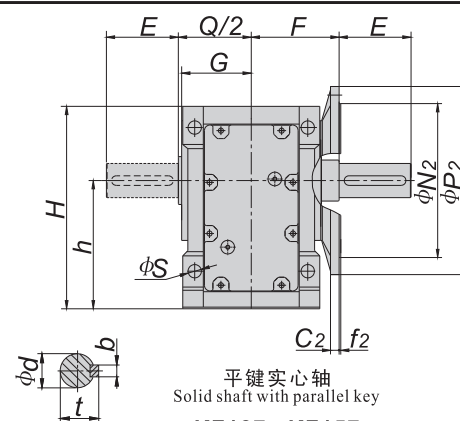
底座式安装
Foot-mounted



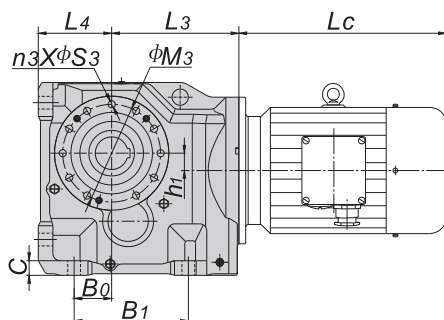
平键实心轴
Solid shaft with parallel key
K127、K157



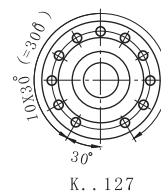
法兰式安装
Flange-mounted



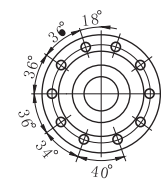
平键实心轴
Solid shaft with parallel key
KF127、KF157



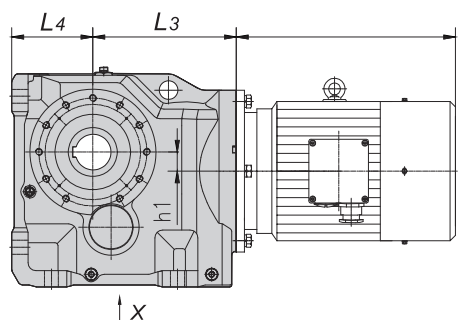
小法兰安装
Short-flange mounted



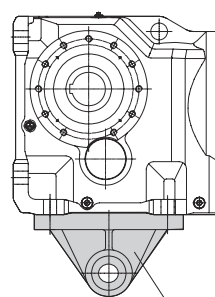
K..127



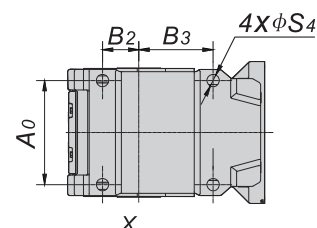
K..157

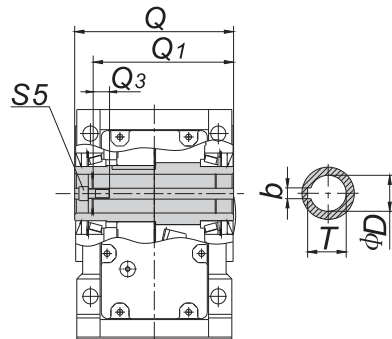


轴装式安装(可用于扭力臂安装)
Shaft-mounted (Applicable for torque arm-mounted)

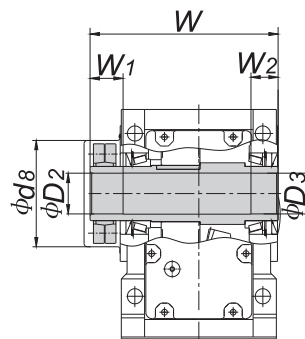


扭力臂附件详见25页
Refer to page25 for torque arm

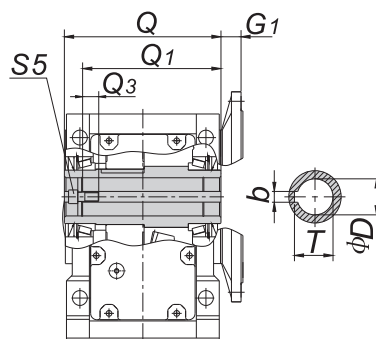




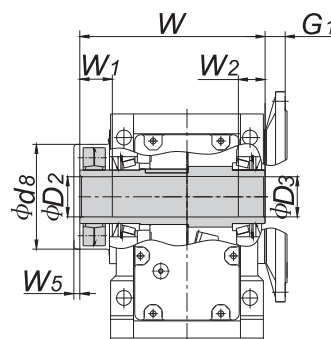
平键空心轴
Hollow shaft with parallel key
KW127、KW157



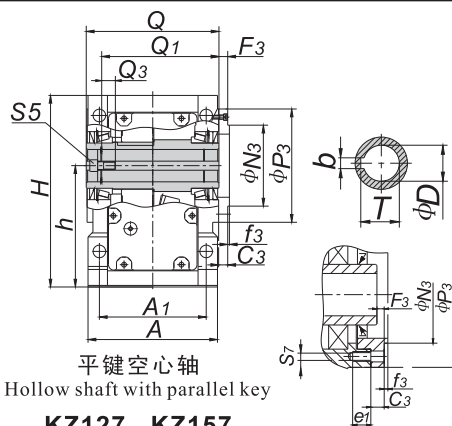
锁紧盘空心轴
Hollow shaft with shrink disk
KH127、KH157



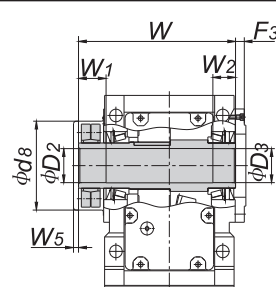
平键空心轴
Hollow shaft with parallel key
KL127、KL157



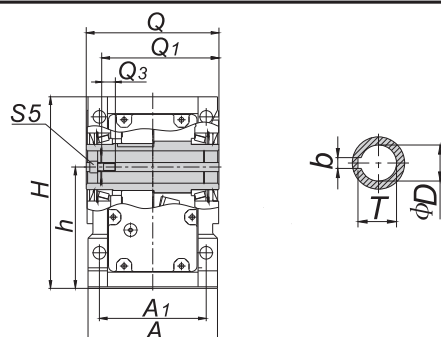
锁紧盘空心轴
Hollow shaft with shrink disk
KHL127、KHL157



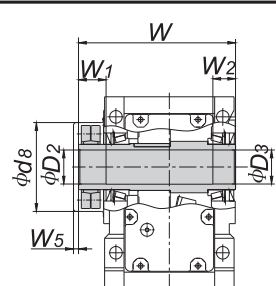
平键空心轴
Hollow shaft with parallel key
KZ127、KZ157



锁紧盘空心轴
Hollow shaft with shrink disk
KHZ127、KHZ157



平键空心轴
Hollow shaft with parallel key
KA127、KA157



锁紧盘空心轴
Hollow shaft with shrink disk
KHA127、KHA157

外形尺寸 Outline Dimensions

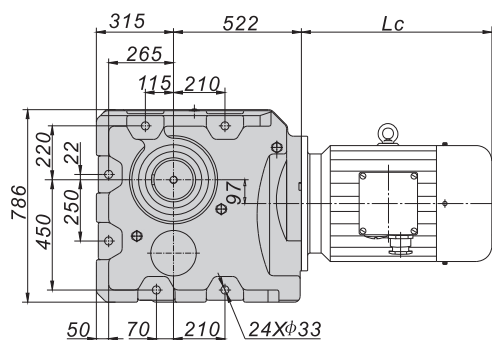
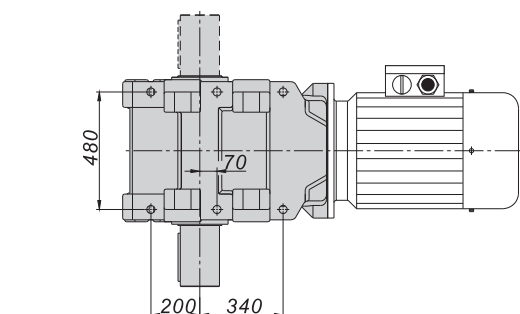
输出轴尺寸 Dimensions of output shaft

规格 Size	127	157
A	400	500
A0	330	420
A1	330	420
B0	115	140
B1	350	380
B2	115	140
B3	235	240
b	28	32
C	45	50
C2	25	28
C3	28	58
d	100m6	120m6
E	210	210
e1	30	38
F	256	310
f2	5	6
f3	5	5
G	203	245
H	592	705
h	375	450
h1	53	76
K0	110	130
K1	420	500
L3	398	426
L4	225	280
M2	500	600
M3	300	340
N2	450h7	550h7
n2	8	8
n3	11	10
P2	550	660
S	39	39
S2	17.5	22
S3	22	26
S4	39	39
S7	M20	M24
t	106	127
D	100H7	120H7
D2	105H7	115H7
D3	105H7	125H7
d3	140	160
d8	252	302
F3	26	25
G1	51	62
N3	250h7	290h7
P3	350	400
Q	410	500
Q1	373	460
Q3	40	40
S5	M24	M24
T	106.4	127.4
W	485	580
W1	85	90
W2	70	80
W5	23	33
重量* Weight (kg)	410	666

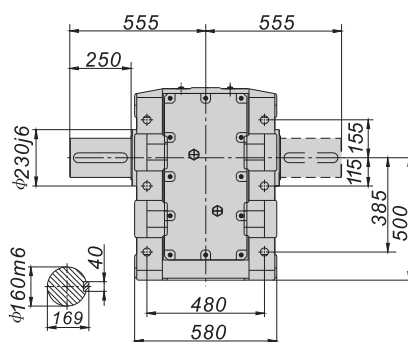
注:*重量不含电机和润滑油。



K.167、K.187

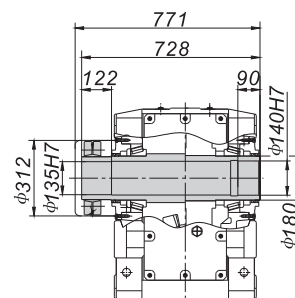


底座式安装
Foot-mounted



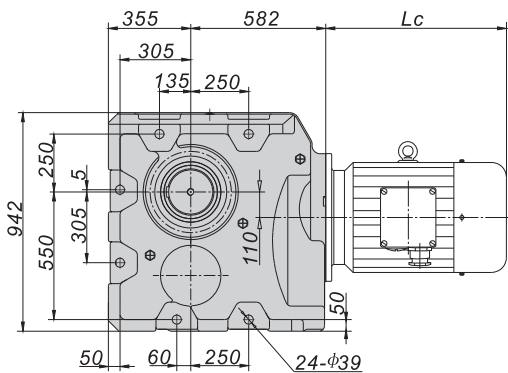
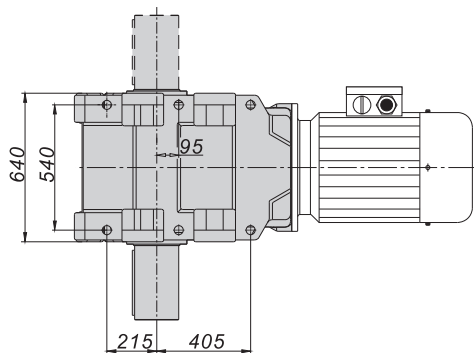
平键实心轴
Solid shaft with parallel key

K167

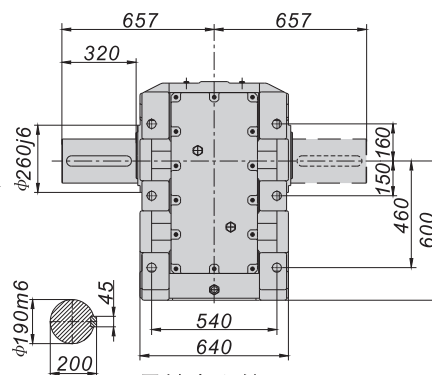


锁紧盘空心轴
Hollow shaft with shrink disk

KH167

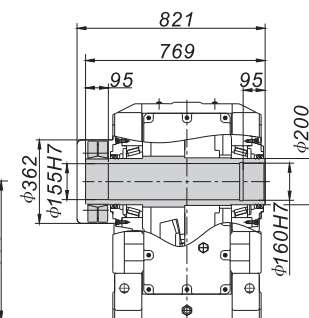


底座式安装
Foot-mounted



平键实心轴
Solid shaft with parallel key

K187



锁紧盘空心轴
Hollow shaft with shrink disk

KH187

说明:K.167重量为1036kg;K.187重量为1600kg。(不含电机和润滑油) Note: The weight of K.167 is 1036kg; K.187,1600kg.(Motor and lubricant is not included)

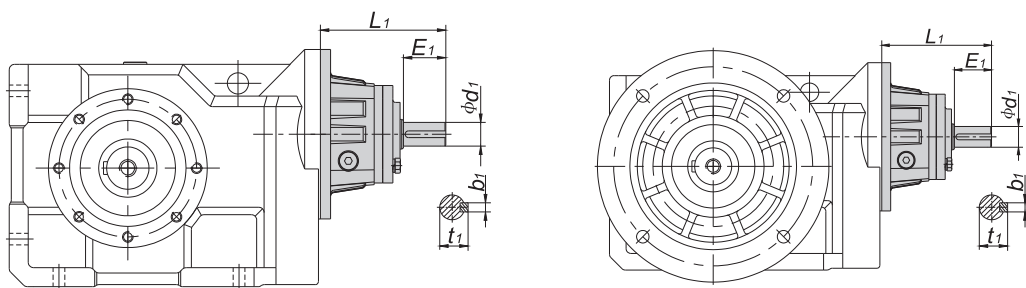


9 输入部分

9.1 KY系列AE轴输入尺寸图表：

9 Input Part:

9.1 KY Series Dimensions of AE Input Shaft:

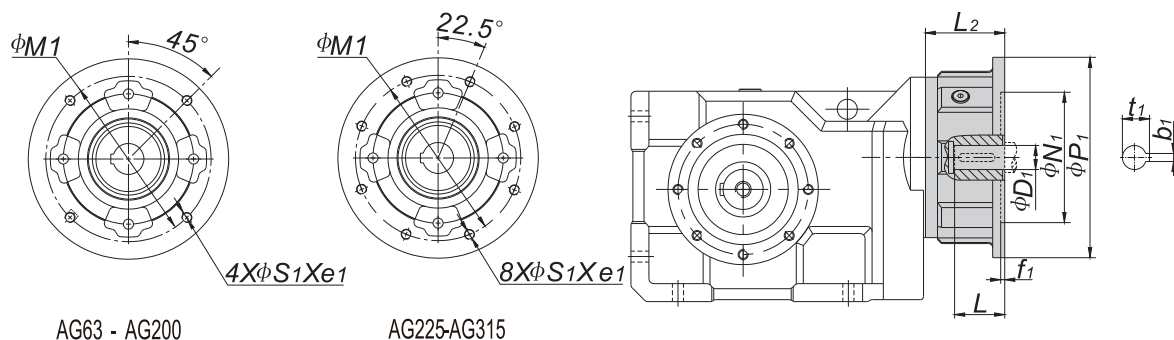


规格 Size	输入轴型号 Input Shaft	适用功率范围* Range of Power	d1	E1	L1	b1	t1	重量 (kg) Weight
67	AE3	1.5-5.5kW	28k6	60	175	8	31	7.5
77	AE3	1.5-5.5kW	28k6	60	165	8	31	8.5
	AE4	7.5-11kW	38k6	80	216	10	41	12.8
87	AE4	7.5-11kW	38k6	80	209	10	41	14.5
	AE5	15-22kW	42k6	110	271	12	45	25.4
97	AE5	15-22kW	42k6	110	265	12	45	26.6
	AE6	30-45kW	48k6	110	327	14	51.5	51.6
107	AE5	15-22kW	42k6	110	252	12	45	29.1
	AE6	30-45kW	48k6	110	314	14	51.5	50.8
127	AE6	30-45kW	48k6	110	298	14	51.5	57.2
	AE7	55-90kW	55m6	110	297	16	59	64
	AE8	110-132kW	70m6	140	377	20	74.5	84.4



9.2 KY系列AG连接法兰尺寸图表:

9.2 KY Series Dimensions of AG Connection Flange:

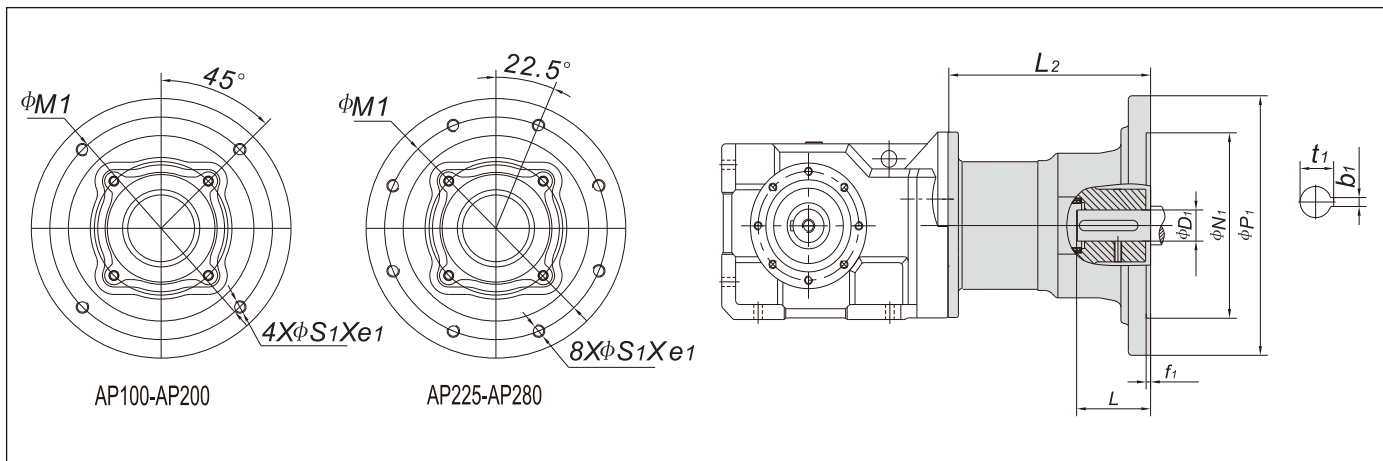


规格 Size	法兰型号 Flange	e1	D1	N1	M1	P1	f1	b1	t1	L	S1	L2	重量 (kg) Weight
67	AG100\112	21	28H7	180H7	215	250	5	8	31.3	60	M12	96	13.1
77	AG100\112	21	28H7	180H7	215	250	5	8	31.3	60	M12	86	13.9
	AG132	21	38H7	230H7	265	300	5	10	41.3	80	M12	103	19.7
87	AG132	21	38H7	230H7	265	300	5	10	41.3	80	M12	96	22.6
	AG160	28	42H7	250H7	300	350	6	12	45.3	110	M16	143	37.2
	AG180	28	48H7	250H7	300	350	6	14	51.8	110	M16	143	37.2
97	AG160	28	42H7	250H7	300	350	6	12	45.3	110	M16	137	40.4
	AG180	28	48H7	250H7	300	350	6	14	51.8	110	M16	137	40.4
	AG200	28	55H7	300H7	350	400	6	16	59.3	110	M16	167	51.9
107	AG180	28	48H7	250H7	300	350	6	14	51.8	110	M16	124	43.4
	AG200	28	55H7	300H7	350	400	6	16	59.3	110	M16	154	52.4
	AG225	28	60H7	350H7	400	450	7	18	64.4	140	M16	182	89
127	AG200	28	55H7	300H7	350	400	6	16	59.3	110	M16	138	60.3
	AG225	28	60H7	350H7	400	450	6	18	64.4	140	M16	166	98.6
	AG250	28	65H7	450H7	500	550	7	18	69.4	140	M16	171	122.6
	AG280	28	75H7	450H7	500	550	7	20	79.9	140	M16	171	122.6



9.3 KY 系列 AP 连接法兰尺寸图表：

9.3 KY Series Dimensions of AP Connection Flange :



规格 Size	法兰型号 Flange	e1	D1	N1	M1	P1	f1	b1	t1	L	S1	L2	重量 (kg) Weight
67	AP100\112	21	28H7	180H7	215	250	5	8	31.3	60	M12	191	15.5
77	AP100\112	21	28H7	180H7	215	250	5	8	31.3	60	M12	181	16.5
	AP132	21	38H7	230H7	265	300	5	10	41.3	80	M12	210	24.6
87	AP132	21	38H7	230H7	265	300	5	10	41.3	80	M12	203	26.3
	AP160	28	42H7	250H7	300	350	6	12	45.3	110	M16	272	48.5
	AP180	28	48H7	250H7	300	350	6	14	51.8	110	M16	272	48.5
97	AP160	28	42H7	250H7	300	350	6	12	45.3	110	M16	270	49.7
	AP180	28	48H7	250H7	300	350	6	14	51.8	110	M16	270	49.7
	AP200	28	55H7	300H7	350	400	6	16	59.3	110	M16	327	83.5
107	AP180	28	48H7	250H7	300	350	6	14	51.8	110	M16	257	52.2
	AP200	28	55H7	300H7	350	400	6	16	59.3	110	M16	327	82.7
	AP225	28	60H7	350H7	400	450	7	18	64.4	140	M16	354	90.4
127	AP200	28	55H7	300H7	350	400	6	16	59.3	110	M16	316	89.1
	AP225	28	60H7	350H7	400	450	7	18	64.4	140	M16	343	96.8
	AP250	28	65H7	450H7	500	550	7	18	69.4	140	M16	361	130.7
	AP280	28	75H7	450H7	500	550	7	20	79.9	140	M16	361	130.7

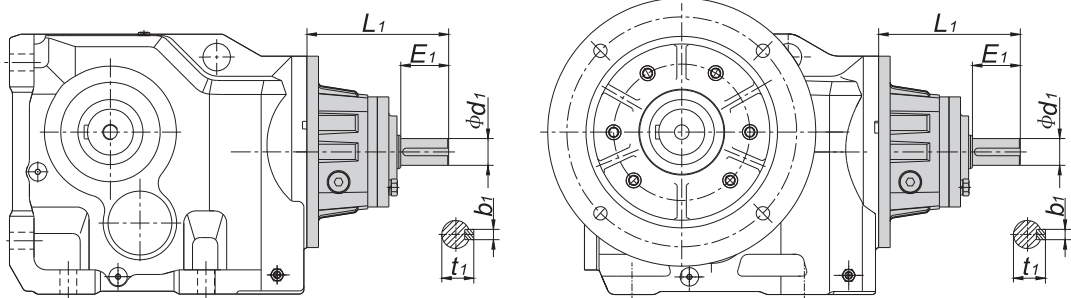
注：推荐用于化工搅拌等需24h连续运转以及电机频繁正反转等负载冲击场合。

Note: The recommended applications would be load impactive occasions, e.g. chemical mixing industry etc, where equipments keep working 24h a day and motors run with positive and reverse direction frequently. For AP315 flange please consult us.



9.4 K 系列AE轴输入尺寸图表：

9.4 K Series Dimensions of AE Input Shaft:

								
规格 Size	输入轴型号 Input Shaft	适用功率范围* Range of Power	d1	E1	L1	b1	t1	重量 (kg) Weight
37	AE2	0.12-1.1kW	19k6	40	117	6	21.5	3.2
47	AE2	0.12-1.1kW	19k6	40	119	6	21.5	3.9
	AE3	1.5-4kW	28k6	60	175	8	31	7.5
67	AE2	0.12-1.1kW	19k6	40	119	6	21.5	3.9
	AE3	1.5-5.5kW	28k6	60	175	8	31	7.5
77	AE2	0.12-1.1kW	19k6	40	111	6	21.5	4.7
	AE3	1.5-5.5kW	28k6	60	165	8	31	8.5
	AE4	7.5-11kW	38k6	80	216	10	41	12.8
87	AE2	0.12-1.1kW	19k6	40	108	6	21.5	5.9
	AE3	1.5-5.5kW	28k6	60	158	8	31	9.9
	AE4	7.5-11kW	38k6	80	209	10	41	14.5
	AE5	15-22kW	42k6	110	271	12	45	25.4
97	AE3	1.5-5.5kW	28k6	60	156	8	31	11.9
	AE4	7.5-11kW	38k6	80	203	10	41	17
	AE5	15-22kW	42k6	110	265	12	45	26.6
	AE6	30-45kW	48k6	110	327	14	51.5	51.6
107	AE3	1.5-5.5kW	28k6	60	146	8	31	13.9
	AE4	7.5-11kW	38k6	80	190	10	41	19.3
	AE5	15-22kW	42k6	110	252	12	45	29.1
	AE6	30-45kW	48k6	110	314	14	51.5	50.8
127	AE4	7.5-11kW	38k6	80	176	10	41	23.7
	AE5	15-22kW	42k6	110	238	12	45	37.3
	AE6	30-45kW	48k6	110	298	14	51.5	57.2
	AE7	55-90kW	55m6	110	297	16	59	64
	AE8	110-132kW	70m6	140	377	20	74.5	84.4
157	AE5	15-22kW	42k6	110	228	12	45	48.8
	AE6	30-45kW	48k6	110	280	14	51.5	66
	AE7	55-90kW	55m6	110	279	16	59	73.8
	AE8	110-132kW	70m6	140	361	20	74.5	96
167 187	AE5	15-22kW	42k6	110	228	12	45	48.8
	AE6	30-45kW	48k6	110	280	14	51.5	66
	AE7	55-90kW	55m6	110	279	16	59	73.8
	AE8	110-200kW	70m6	140	361	20	74.5	96



9.5 K 系列AG 连接法兰尺寸图表:

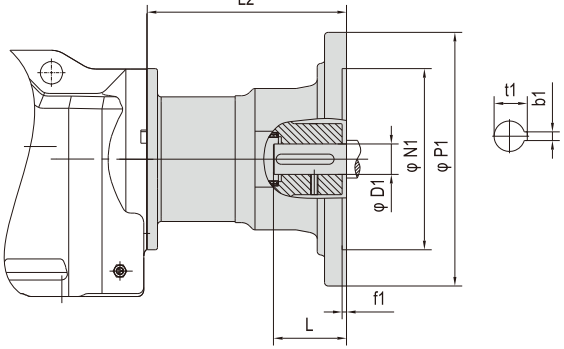
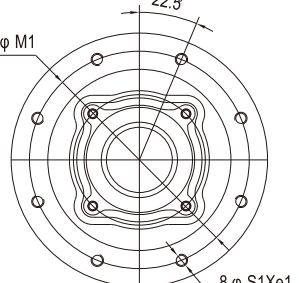
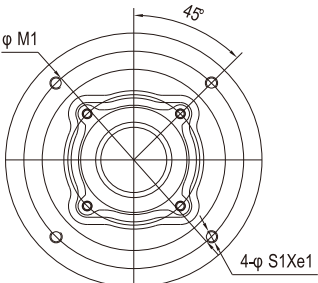
9.5 K Series Dimensions of AG Connection Flange:

规格 Size	法兰 型号 Flange	e1	D1	N1	M1	P1	f1	b1	t1	L	S1	L2	重量 (kg) Weight
37	AG 63	14	11H7	95H7	115	140	4	4	12.8	23	M8	59	4.5
	AG 71	14	14H7	110H7	130	160	4	5	16.3	30	M8	59	4.5
	AG 80	18	19H7	130H7	165	200	4	6	21.8	40	M10	74	7.3
47 67	AG 63	14	11H7	95H7	115	140	4	4	12.8	23	M8	61	4.6
	AG 71	14	14H7	110H7	130	160	4	5	16.3	30	M8	61	4.6
	AG 80	18	19H7	130H7	165	200	4	6	21.8	40	M10	76	8
	AG 90	18	24H7	130H7	165	200	4	8	27.3	50	M10	81	9.1
	AG 100\112	21	28H7	180H7	215	250	5	8	31.3	60	M12	96	13.1
77	AG 71	14	14H7	110H7	130	160	4	5	16.3	30	M8	53	5.5
	AG 80	18	19H7	130H7	165	200	4	6	21.8	40	M10	68	9.7
	AG 90	18	24H7	130H7	165	200	4	8	27.3	50	M10	73	10.6
	AG 100\112	21	28H7	180H7	215	250	5	8	31.3	60	M12	86	13.9
	AG 132	21	38H7	230H7	265	300	5	10	41.3	80	M12	103	19.7
87	AG 80	18	19H7	130H7	165	200	4	6	21.8	40	M10	65	10.2
	AG 90	18	24H7	130H7	165	200	4	8	27.3	50	M10	70	11.1
	AG 100\112	21	28H7	180H7	215	250	5	8	31.3	60	M12	83	15.8
	AG 132	21	38H7	230H7	265	300	5	10	41.3	80	M12	96	22.6
	AG 160	28	42H7	250H7	300	350	6	12	45.3	110	M16	143	37.2
97	AG 180	28	48H7	250H7	300	350	6	14	51.8	110	M16	143	37.2
	AG 90	18	24H7	130H7	165	200	4	8	27.3	50	M10	64	14.1
	AG 100\112	21	28H7	180H7	215	250	5	8	31.3	60	M12	78	17
	AG 132	21	38H7	230H7	265	300	5	10	41.3	80	M12	94	24.5
	AG 160	28	42H7	250H7	300	350	6	12	45.3	110	M16	137	40.4
	AG 180	28	48H7	250H7	300	350	6	14	51.8	110	M16	137	40.4
107	AG 200	28	55H7	300H7	350	400	6	16	59.3	110	M16	167	51.9
	AG 100\112	21	28H7	180H7	215	250	5	8	31.3	60	M12	69	19.6
	AG 132	21	38H7	230H7	265	300	5	10	41.3	80	M12	83	25.4
	AG 160	28	42H7	250H7	300	350	6	12	45.3	110	M16	124	43.4
	AG 180	28	48H7	250H7	300	350	6	14	51.8	110	M16	124	43.4
	AG 200	28	55H7	300H7	350	400	6	16	59.3	110	M16	154	52.4
127	AG 225	28	60H7	350H7	400	450	7	18	64.4	140	M16	182	89
	AG 132	21	38H7	230H7	265	300	5	10	41.3	80	M12	71	33.1
	AG 160	28	42H7	250H7	300	350	6	12	45.3	110	M16	110	50
	AG 180	28	48H7	250H7	300	350	6	14	51.8	110	M16	110	50
	AG 200	28	55H7	300H7	350	400	6	16	59.3	110	M16	138	60.3
	AG 225	28	60H7	350H7	400	450	6	18	64.4	140	M16	166	98.6
	AG 250	28	65H7	450H7	500	550	7	18	69.4	140	M16	171	122.6
157 167 187	AG 280	28	75H7	450H7	500	550	7	20	79.9	140	M16	171	122.6
	AG 160	28	42H7	250H7	300	350	6	12	45.3	110	M16	100	59.7
	AG 180	28	48H7	250H7	300	350	6	14	51.8	110	M16	100	59.7
	AG 200	28	55H7	300H7	350	400	6	16	59.3	110	M16	120	70.7
	AG 225	28	60H7	350H7	400	450	7	18	64.4	140	M16	148	100.9
	AG 250	28	65H7	450H7	500	550	7	18	69.4	140	M16	153	133.8
187	AG 280	28	75H7	450H7	500	550	7	20	79.9	140	M16	153	133.8
	AG 315	35	80H7	550H7	600	660	7	22	85.4	170	M20	200	221.7



9.6 K 系列 AP 连接法兰尺寸图表:

9.6 K Series Dimensions of AP Connection Flange :

 AP100-AP200AP225-AP280													
规格 Size	法兰型号 Flange	e1	D1	N1	M1	P1	f1	b1	t1	L	S1	L2	重量 (kg) Weight
47、67	AP100\112	21	28H7	180H7	215	250	5	8	31.3	60	M12	191	15.5
77	AP100\112	21	28H7	180H7	215	250	5	8	31.3	60	M12	181	16.5
	AP132	21	38H7	230H7	265	300	5	10	41.3	80	M12	210	24.6
87	AP100\112	21	28H7	180H7	215	250	5	8	31.3	60	M12	171	17.9
	AP132	21	38H7	230H7	265	300	5	10	41.3	80	M12	203	26.3
	AP160	28	42H7	250H7	300	350	6	12	45.3	110	M16	272	48.5
	AP180	28	48H7	250H7	300	350	6	14	51.8	110	M16	272	48.5
97	AP100\112	21	28H7	180H7	215	250	5	8	31.3	60	M12	172	19.9
	AP132	21	38H7	230H7	265	300	5	10	41.3	80	M12	202	28.8
	AP160	28	42H7	250H7	300	350	6	12	45.3	110	M16	270	49.7
	AP180	28	48H7	250H7	300	350	6	14	51.8	110	M16	270	49.7
	AP200	28	55H7	300H7	350	400	6	16	59.3	110	M16	327	83.5
107	AP100\112	21	28H7	180H7	215	250	5	8	31.3	60	M12	161	21.9
	AP132	21	38H7	230H7	265	300	5	10	41.3	80	M12	189	31.1
	AP160	28	42H7	250H7	300	350	6	12	45.3	110	M16	257	52.2
	AP180	28	48H7	250H7	300	350	6	14	51.8	110	M16	257	52.2
	AP200	28	55H7	300H7	350	400	6	16	59.3	110	M16	327	82.7
	AP225	28	60H7	350H7	400	450	7	18	64.4	140	M16	354	90.4
127	AP132	21	38H7	230H7	265	300	5	10	41.3	80	M12	175	35.5
	AP160	28	42H7	250H7	300	350	6	12	45.3	110	M16	243	60.4
	AP180	28	48H7	250H7	300	350	6	14	51.8	110	M16	243	60.4
	AP200	28	55H7	300H7	350	400	6	16	59.3	110	M16	316	89.1
	AP225	28	60H7	350H7	400	450	7	18	64.4	140	M16	343	96.8
	AP250	28	65H7	450H7	500	550	7	18	69.4	140	M16	361	130.7
	AP280	28	75H7	450H7	500	550	7	20	79.9	140	M16	361	130.7
157 167 187	AP160	28	42H7	250H7	300	350	6	12	45.3	110	M16	233	71.9
	AP180	28	48H7	250H7	300	350	6	14	51.8	110	M16	233	71.9
	AP200	28	55H7	300H7	350	400	6	16	59.3	110	M16	298	97.9
	AP225	28	60H7	350H7	400	450	7	18	64.4	140	M16	325	105.6
	AP250	28	65H7	450H7	500	550	7	18	69.4	140	M16	343	140.5
	AP280	28	75H7	450H7	500	550	7	20	79.9	140	M16	343	140.5

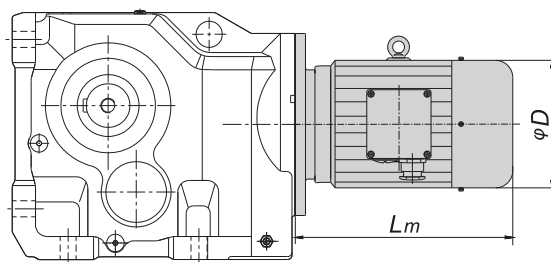
注：推荐用于化工搅拌等需24h连续运转或电机频繁正反转等负载冲击场合。
如需AP315请来电咨询。

Note: The recommended applications would be load impactive occasions, e.g. chemical mixing industry etc, where equipments keep working 24h a day and motors run with positive and reverse direction frequently. For AP315 flange please consult us.



9.7 K系列直联电机尺寸图表:

9.7 K series straight motor size chart:



4极功率/Power of 4P (kW)		0.12	0.18	0.25	0.37	0.55	0.75	1.1	1.5	2.2	3	4	5.5	7.5	11	15	18.5	22	30	37	45	55	75	90
Lm (mm)	M	249	249	249	249	313	313	358	358	409	409	454	482	517	594	637	652	652	710	797	797	836	946	946
	MH	/	/	/	/	/	291	309	341	387	407	429	522	558	584	629	642	688	725	732	757	/	/	/
	MP	/	/	/	/	/	311	341	369	407	442	464	522	558	629	659	642	688	725	732	757	/	/	/
	ME	287	287	287	287	358	358	403	403	474	474	519	555	592	689	734	747	747	805	887	887	966	1081	1081
	MEE	/	/	/	/	/	/	/	413	479	479	529	582	617	679	724	757	757	800	/	/	/	/	/
	MV	338	338	338	338	408	408	443	443	514	514	564	602	637	709	754	782	782	825	922	922	976	1091	1091
	MVE	338	338	338	338	408	408	443	443	514	514	564	602	637	709	754	782	830	870	872	897	941	1061	1061
D(mm)		147	147	147	147	159	159	176	176	200	200	220	259	259	314	314	356	356	397	446	446	485	547	547
重量 Weight (kg)	M	12	12	15	15	22	22	29	29	42	42	64	115	115	182	182	220	220	303	463	463	482	731	731
	MH	/	/	/	/	/	30	32	36	56	61	70	78	93	139	161	237	244	288	332	362	/	/	/
	MP	/	/	/	/	/	32	35	44	63	68	73	91	102	160	179	243	249	292	342	372	/	/	/
	ME	13	13	16	16	25	25	35	30	47	47	69	123	123	211	211	240	240	332	501	501	520	769	769
	MEE	/	/	/	/	/	/	/	39	55	55	76	134	134	223	223	260	260	358	521	521	540	800	800
	MV	13	13	16	16	24	24	40	30	44	44	66	117	117	184	184	223	223	307	394	394	489	742	742
	MVE	14	14	17	17	26	26	45	35	59	59	71	125	125	203	203	240	240	336	423	423	527	780	780

4极功率/Power of 4P (kW)		0.12	0.18	0.25	0.37	0.55	0.75	1.1	1.5	2.2	3	4	5.5	7.5	11	15	18.5	22	30	37	45	55	75	90
Lm (mm)	YZ	/	/	/	/	/	/	/	/	432	432	434	517	547	649	649	657	657	721	/	/	/	/	/
	YZE	/	/	/	/	/	/	/	/	507	507	509	592	652	744	744	743	743	803	/	/	/	/	/
	YZP	/	/	/	/	/	/	/	/	552	552	554	637	672	764	764	778	778	821	922	922	976	1091	1091
	YZPE	/	/	/	/	/	/	/	/	552	552	554	637	672	764	764	778	778	821	922	922	976	1091	1091
	YPG	/	/	/	/	/	/	/	/	432	432	434	517	547	649	649	657	657	721	797	797	836	946	946
D(mm)		/	/	/	/	/	/	/	/	259	259	259	259	259	314	314	356	356	356	446	446	485	547	547
重量 Weight (kg)	YZ	/	/	/	/	/	/	/	/	47	47	69	120	120	187	187	228	228	311	/	/	/	/	/
	YZE	/	/	/	/	/	/	/	/	52	52	74	128	128	216	216	248	248	340	/	/	/	/	/
	YZP	/	/	/	/	/	/	/	/	49	49	71	122	122	189	189	231	231	315	402	402	497	750	750
	YZPE	/	/	/	/	/	/	/	/	54	54	76	130	130	208	208	248	248	344	431	431	535	788	788
	YPG	/	/	/	/	/	/	/	/	47	47	69	120	120	187	187	228	228	311	463	463	482	731	731

注: (1) 表中Lm尺寸为直联减速机时专用电机参考长度;

(2) 表中YB数据为标准防爆电机参考值;

(3) 若MV、MVE、YZP、YZPE配编码器时, "Lm" 尺寸相应加长80mm;

(4) 电机未注明外形尺寸按IEC标准。

(1) Lm size is specific motor reference length for directly-connected gear units.

(2) The above data of explosion-proof motor is reference value of standard

explosion-proof motor.

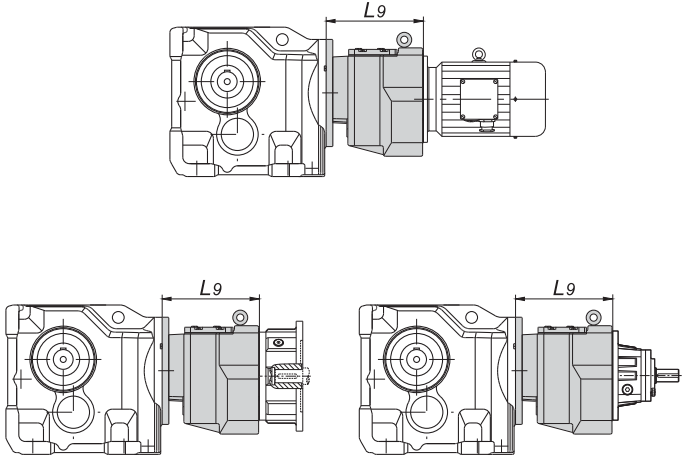
(3) If MV or MVE is equipped with encoder, "Lm" size should be respectively added 80mm.

(4) Unspecified dimension size for motor complies with IEC standards.



10 组合尺寸图表

10 Combi-type Dimensions:

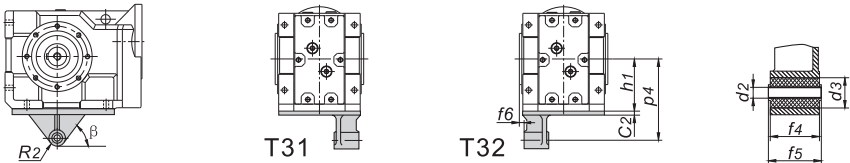
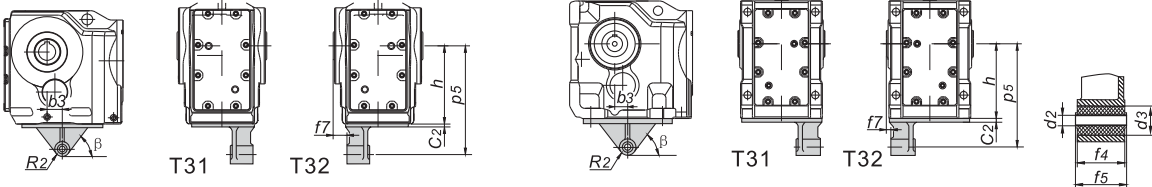
	型号/Type	L9
	K..37/CRL37	181
	K..47/CRL37 K..67/CRL37	183
	K..77/CRL37	173
	K..87/CRL47	182
	K..97/CRL67	225
	K..107/CRL77	238.5
	K..127/CRL87	281
	K..127/CRL77	227
	K..157/CRL97	322
	K..157/CRL107	361
	K..167/CRL97	322
	K..167/CRL107	361
	K..187/CRL97	322
	K..187/CRL107	361

11 附件

11 Accessories:

11.1 扭力臂附件(附件代号T31、T32):

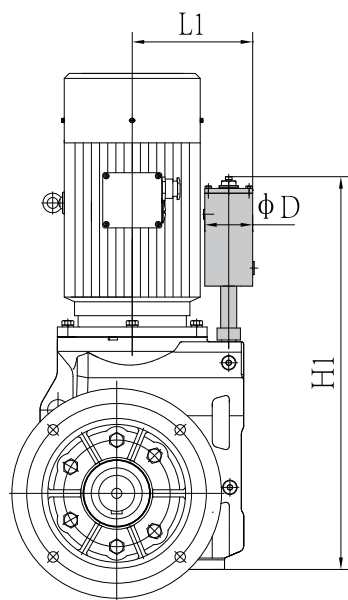
11.1 Torque-arm(Accessory code T31,T32):

KYW67-KYW127 									
									
KA37-KA107 KNA37-KNA107									
KA127、KA157									
型号 Type	K.A/T37	K.A/T47 KYW/T67	K.A/T67 KYW/T77	K.A/T77 KYW/T87	K.A/T87 KYW/T97	K.A/T97 KYW/T107	K.A/T107 KYW/T127	K.A/T127	K.A/T157
b3	23.5	30	45	52.5	60	70	74	60	50
C2	10	12	13	14	16	17	20	45	45
d2	10.4	10.4	16.4	16.4	25	25	25	40	40
d3	25	25	36	36	52	52	52	103	103
f4	31	31	54	54	72	92	92	110	110
f5	36	36	60	60	80	100	100	126	126
f6	/	/	34.5	40	37	56	61	75	/
f7	20	20	25	25	30.5	40	45	7	10
h	100	112	140	180	212	265	315	375	450
h1	/	/	112	140	160	180	240	280	/
p4	/	/	160	200	230	268	325	415	/
p5	140	160	200	250	300	350	450	550	700
R2	22.5	22.5	29	29	41	41	41	70	70
β	60°	55°	55°	65°	60°	50°	55°	55°	70°



11.2 润滑方式（附件代号US34/US35）：

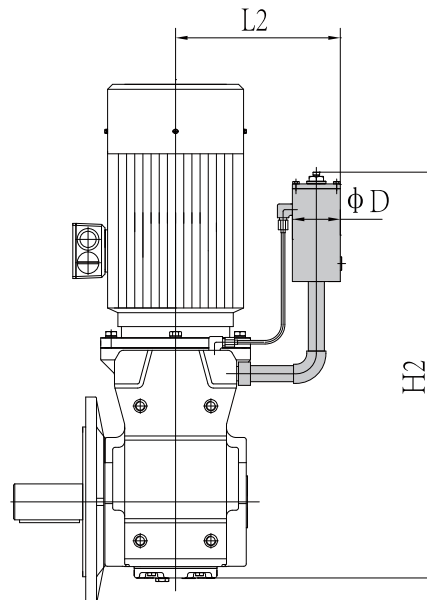
安装方位为B31/B62/B52/B56/H4/H41时，
建议采用补偿油箱润滑方式；



US34

11.2 Lubrication（Accessory codeUS34/US35）：

The installation position is B31/B62/B52/B56/H4/H41，
recommended compensation tank lubrication；



US35

规格 Size	L1	L2	H1	H2	D	直连电机范围/Directly connected motor range(KW)	
						US34	US35
K37	/	169	/	383	42	/	0.12-2.2
K47	/	180	/	411	42	/	0.12-3
K67	121	215	469	469	42	0.12-0.37	0.55-5.5
K77	145	231	519	512	42	0.25-3	4-11
K87	201	273	660	685	80	0.55-4	5.5-22
K97	245	293	707	732	80	0.75-7.5	11-30
K107	288	333	867	1012	120	1.5-15	18.5-45
K127	342	363	1021	1080	120	2.2-45	55-90
K157	384	/	1151	/	120	7.5-90	/

注：在减速机竖直安装条件下，减速机内油位较高，通气帽与油面较近，为了防止减速机在长时间运行后润滑油从透气帽喷出，导致减速机润滑不良出现问题，必须增加补偿油箱，如上图所示，油箱的实际尺寸和最终位置在订货时商定。其他安装方位请来电咨询。

Note: In case of vertical position, the oil level is higher above the breather. A compensation is a necessary to prevent the oil erupting from the gearbox after a long term running, which could lead insufficient lubrication. The actual dimension and final position of the compensation tank will be decided when the product is ordered. Other positions on request.



11.3 润滑油

11.3 Oil

KY..

油量表/Oil level (L)						
安装方位 Mounting position 规格/Size	B3 、 B61 B51 、 B55 H1 、 H11	B63 、 B81 B53 、 B57 H3 、 H31	B8 B54 、 B58 H2 、 H21	B31 、 B62 B52 、 B56 H4 、 H41	V5 、 V51 V1 、 V11 H6 、 H61	V6 、 V61 V3 、 V31 H5 、 H51
KY67	1.3	2.3	2.5	4	2.8	2.8
KY77	3.2	5.2	5.4	8.5	6.6	6.6
KY87	4	6.9	7.2	11.5	8.9	8.9
KY97	7.4	14	14.6	22	17.9	17.9
KY107	15	23.9	24.3	40	30.4	30.4
KY127	23.5	37.2	36.2	63.5	46.6	46.6

注:在环境温度-15℃~+35℃时,GL-5重负荷车辆双曲线齿轮油,SAE黏度等级为85W/90, 附件代号V23。

Note: When ambient temperature -15℃~+35℃, GL-5 heavy-load vehicle hyperbolic gear oil SAE viscosity class, 85w/90; accessory code is V23.

K..

油量表/Oil level (L)						
安装方位 Mounting position 规格/Size	B3 、 B61 B51 、 B55 H1 、 H11	B63 、 B81 B53 、 B57 H3 、 H31	B8 B54 、 B58 H2 、 H21	B31 、 B62 B52 、 B56 H4 、 H41	V5 、 V51 V1 、 V11 H6 、 H61	V6 、 V61 V3 、 V31 H5 、 H51
37	0.5	1.1	1.1	1.5	1	1
47	0.8	1.3	1.7	2.2	1.6	1.6
67	1.1	2.4	2.8	3.6	2.7	2.7
77	2.2	4.1	4.6	6	4.5	4.5
87	3.7	8.2	9	11.9	8.4	8.4
97	7	14.7	17.3	21.5	15.7	16.5
107	10	22	26	35	25	25
127	21	41.5	46	55	41	41
157	31	66	69	92	62	62
167	35	100	100	125	85	85
187	60	170	170	205	130	130

注: 在环境温度 -10℃~+40℃ 时,

- 1) K37~K127系列润滑油牌号为VG220(ISO粘度等级),附件代号V22;
- 2) K157~K187系列润滑油牌号为VG320(ISO粘度等级),附件代号V32。

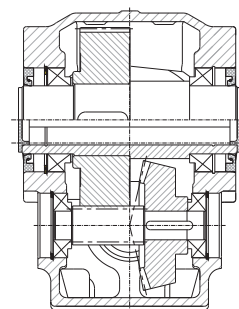
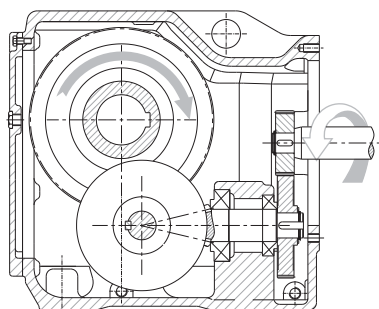
Note: When ambient temperature is -10℃~+40℃,

- 1) For k37~K127 series products, lubricant brand is VG220(ISO Viscosity class), accessory code is V22;
- 2) For K157~K187 Series products, lubricant brand is VG320(ISO Viscosity class), accessory code is V32.

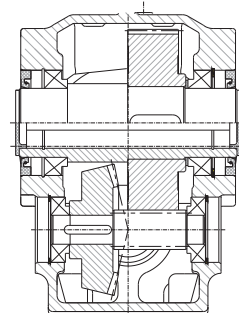
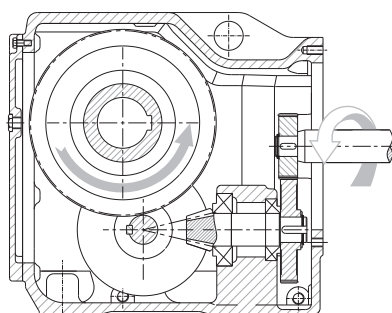


11.4 齿轮非常规安装（附件代号）：

11.4 Gear Non-standard Installation (Accessory Code G11)：



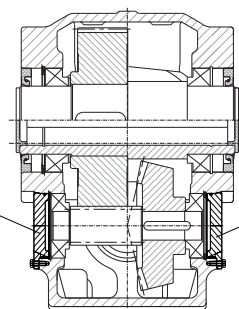
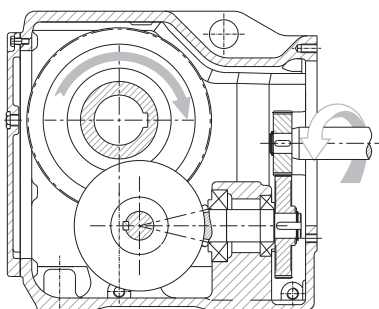
常规供货无需说明。
Standard installation



此种齿轮非常规安装形式,订货时请注明**G11**特殊代号。
For this gear of non-standard installation, please indicate code **G11** when ordering.

11.5 KA97~KA127加强齿轮轴闷盖（附件代号G01）：

11.5 KA97~KA127 with strengthen pinion shaft cover (Accessory Code G01)：



闷盖加强G01
Cover G01

闷盖加强G01
Cover G01

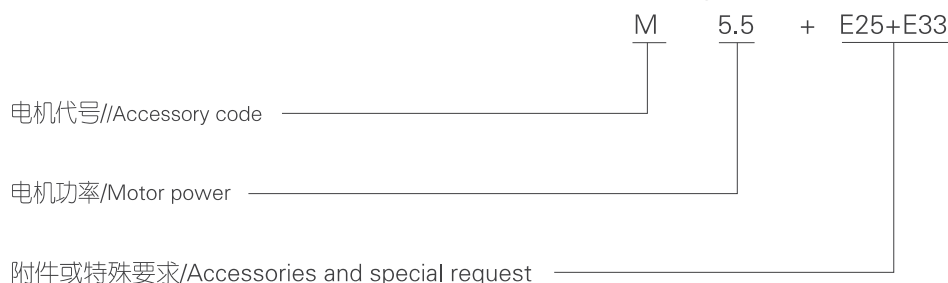
注：推荐用于门式起重机大车行走机构等有较大负载冲击场合。

Note: The recommended applications would be load impactive occasions, e.g. gantry crane long travel mechanism etc.



12 电机

12.1 型号表示方法



12 Motor

12.1 Type Designation

12.2 代号说明及标准配置

12.2 Code specification and standard allocation

系列 Series	电机种类 Motor type	标准配置参数/Standard configuration parameter		功率范围 Power
M	标准效率 三相异步电动机 (IE1) Standard efficiency various frequency speed-adjusting three-phase asynchronous motor	1.连续工作制 (S1) 2.绝缘等级: F 3.防护等级: IP55 4.额定电压: 400V (4kW及以下为“Y”接法, 5.5kW及以上为“Δ”接法) 5.额定频率: 50Hz (变频范围: 30~70 Hz) 6.冷却方式: IC411	1.Continuous working system(S1). 2.Class F insulation. 3.IP55 protecton degree. 4.Rated voltage:400V (“Y” conection for power less than 4kW,” Δ” connection for power more than 5.5kW) 5.Rated frequency:50Hz. (Frequency range:30~70Hz) 6.Cooling method:IC411.	0.12~90kW
MH	高效率 三相异步电动机 (IE2) High efficiency various frequency speed-adjusting three-phase asynchronous motor	1.连续工作制 (S1) 2.绝缘等级: F 3.防护等级: IP55 4.额定电压: 380V (3kW及以下为“Y”接法, 4kW及以上为“Δ”接法) 5.额定频率: 50Hz 6.冷却方式: IC411	1.Continuous working system(S1). 2.Class F insulation. 3.IP55 protecton degree. 4.Rated voltage:380V (“Y” conection for power less than 3kW,” Δ” connection for power more than 4kW) 5.Rated frequency:50Hz. 6.Cooling method:IC411.	0.75~45kW
MP	超高效率 三相异步电动机 (IE3) Premium efficiency various frequency speed-adjusting three-phase asynchronous motor	1.连续工作制 (S1) 2.绝缘等级: F 3.防护等级: IP55 4.额定电压: 380V (3kW及以下为“Y”接法, 4kW及以上为“Δ”接法) 5.额定频率: 50Hz 6.冷却方式: IC411	1.Continuous working system(S1). 2.Class F insulation. 3.IP55 protecton degree. 4.Rated voltage:380V (“Y” conection for power less than 3kW,” Δ” connection for power more than 4kW) 5.Rated frequency:50Hz. 6.Cooling method:IC411.	0.75~45kW
ME	电磁制动 三相异步电动机 Three phase asynchronous electric motor with electro magnetic brake	1.连续工作制 (S1) 2.绝缘等级: F 3.防护等级: IP55 4.额定电压: 400V (4kW及以下为“Y”接法, 5.5kW及以上为“Δ”接法) 5.额定频率: 50Hz 6.4kW及以下, 制动器额定电 压DC103V,整流器外接交流 电压AC230V; 5.5kW及以上, 制动器额定电压 DC180V,整流器外接交流电压 AC400V 7.冷却方式: IC411	1.Continuous working system(S1). 2.Class F insulation. 3.IP55 protecton degree. 4.Rated voltage:400V (“Y” conection for power less than 4kW,” Δ” connection for power more than 5.5kW) 5.Rated frequency:50Hz. 6.Forpower less than 4kW,brake rated voltage is DC103V,rectifier externam connection voltage is AC230V. For power more than 5.5kW,brake rated voltage is DC180V,rectifier external connection voltage is AC400V; 7.Cooling method:IC411.	0.12~90kW
MEE	双制动 三相异步电动机 Double-brake various frequency speed-adjusting three-phase asynchronous motor	1.断续工作制 (S3) 2.绝缘等级: F 3.防护等级: IP55 4.额定电压: 400V (4kW及以下为 “Y”接法, 5.5kW及以上为“Δ” 接法) 5.基准频率: 50Hz 6.4kW及以下, 制动器额定电压 DC103V; 整流器外接交流电压AC230V; 5.5kW及以上, 制动器额定电压 DC180V; 整流器外接交流电压AC400V 7.冷却方式: IC410	1.Intermittent cycle dut(S3). 2.Class F insulation. 3.IP55 protecton degree. 4.Rated voltage:400V (“Y” conection for power less than 4kW,” Δ” connection for power more than 5.5kW) 5.Reference frrequency:50Hz 6.Forpower less than 4kW,brake rated voltage is DC103V,rectifier externam connection voltage is AC230V. For power more than 5.5kW,brake rated voltage is DC180V,rectifier external connection voltage is AC400V; 7.Cooling method:IC410	1.5~30kW
MV	变频调速 三相异步电动机 Three phase asynchronous electric motor with variable frequency adjustable speed	1.连续工作制 (S1) 2.绝缘等级: F 3.防护等级: IP55 4.额定电压: 400V (4kW及以下为“Y”接法, 5.5kW及以上为“Δ”接法) 5.基准频率: 50Hz (变频范围: 5~100 Hz) 6.冷却方式: IC416 (轴流风机强制冷却)	1.Continuous working system(S1). 2.Class F insulation. 3.IP55 protecton degree. 4.Rated voltage:400V (“Y” conection for power less than 4kW,” Δ” connection for power more than 5.5kW) 5.Reference frrequency:50Hz (Frequency range:30~70Hz) 6.Cooling method:IC416(Forced cooling with axial-flow fan)	0.12~90kW



系列 Series	电机种类 Motor type	标准配置参数/Standard configuration parameter		功率范围 Power
MVE	变频制动 三相异步电动机 Various frequency speed-adjusting electromagnetic brake three-phase asynchronous motor	1.连续工作制 (S1) 2.绝缘等级: F 3.防护等级: IP55 4.额定电压: 400V (4kW及以下为 “Y” 接法, 5.5kW及以上为 “Δ” 接法) 5.基准频率: 50Hz (变频范围: 5–100 Hz) 6. 4kW及以下, 制动器额定电压DC103V, 整流器外接交流电压AC230V; 5.5kW及以上, 制动器额定电压DC180V, 整流器外接交流电压AC400V 7.冷却方式: IC416 (轴流风机强制冷却)	1.Continuous working system(S1). 2.Class F insulation. 3.IP55 protection degree. 4.Rated voltage:400V (“Y” connection for power less than 4kW, “Δ” connection for power more than 5.5kW) 5.Reference frequency:50Hz (Frequency range:5–100Hz) 6.For power less than 4kW, brake rated voltage is DC103V, rectifier external connection voltage is AC230V. For power more than 5.5kW, brake rated voltage is DC180V, rectifier external connection voltage is AC400V; 7.Cooling method:IC416(Forced cooling with axial-flow fan)	0.12–90kW
YZ	起重及冶金 三相异步电动机 Common three-phase asynchronous motor for metallurgy and hoisting industries	1.断续周期工作制 (S3) 2.绝缘等级: F 3.防护等级: IP55 4.额定电压: 400V (“Δ” 接法) 5.额定频率: 50Hz 6.冷却方式: IC411	1.Intermittent cycle dut(S3) 2.Class F insulation. 3.IP55 protection degree. 4.Rated voltage:400V (“Δ” connection) 5.Rated frequency:50Hz. 6.Cooling method:IC411.	2.2–30kW
YZE	起重及冶金 电磁制动 三相异步电动机 Electromagnetic brake three-phase asynchronous motor for metallurgy and hoisting industries	1.断续周期工作制 (S3) 2.绝缘等级: F 3.防护等级: IP55 4.额定电压: 400V (“Δ” 接法) 5.额定频率: 50Hz 6.制动器额定电压DC180V, 整流器外接交流电压AC400V 7.冷却方式: IC411	1.Intermittent cycle dut(S3) 2.Class F insulation. 3.IP55 protection degree. 4.Rated voltage:400V (“Δ” connection) 5.Rated frequency:50Hz. 6.Brake rated voltage DC180V, rectifier external connection voltage AC400V. 7.Cooling method:IC411.	2.2–30kW
YZP	起重及冶金 变频调速 三相异步电动机 Three-phase asynchronous motor for metallurgy and hoisting industries	1.断续周期工作制 (S3) 2.绝缘等级: F 3.防护等级: IP55 4.额定电压: 400V (“Δ” 接法) 5.基准频率: 50Hz (变频范围: 5–100 Hz) 6.冷却方式: IC416 (轴流风机强制冷却)	1.Intermittent cycle dut(S3) 2.Class F insulation. 3.IP55 protection degree. 4.Rated voltage:400V (“Δ” connection) 5.Reference frequency:50Hz (Frequency range:5–100Hz) 6.Cooling method:IC416(Forced cooling with axial-flow fan)	2.2–90kW
YZPE	起重及冶金 变频制动 三相异步电动机 Three-phase asynchronous motor for metallurgy and hoisting industries	1. 断续周期工作制 (S3) 2.绝缘等级: F 3.防护等级: IP55 4.额定电压: 400V (“Δ” 接法) 5.基准频率: 50Hz (变频范围: 5–100 Hz) 6.制动器额定电压DC180V, 整流器外接交流电压AC400V 7.冷却方式: IC416 (轴流风机强制冷却)	1.Intermittent cycle dut(S3) 2.Class F insulation. 3.IP55 protection degree. 4.Rated voltage:400V (“Δ” connection) 5.Reference frequency:50Hz (Frequency range:5–50Hz) 6.Brake rated voltage DC180V, rectifier external connection voltage AC400V. 7.Cooling method:IC416(Forced cooling with axial-flow fan)	2.2–90kW
YPG	变频辊道 三相异步电动机 Various frequency speed-adjusting electromagnetic brake three-phase asynchronous motor for roller table	1.断续周期工作制 (S3) 2.绝缘等级: F 3.防护等级: IP55 4.额定电压: 400V (“Δ” 接法) 5.基准频率: 50Hz	1.Intermittent cycle dut(S3) 2.Class F insulation. 3.IP55 protection degree. 4.Rated voltage:400V (“Δ” connection) 5.Reference frequency:50Hz	2.2–90kW
YB	隔爆型 三相异步电动机 Explosion proof three phase asynchronous electric motor	1.连续工作制(S1); 2.绝缘等级:F级; 3.防护等级:IP55; 4.额定电压:380V (3kW及以下为 “Y” 接法, 4kW及以上为 “Δ” 接法); 5.额定频率: 50Hz 6. 防爆等级: d IIBT4 7. 冷却方式: IC411	1.Continuous working system(S1). 2.Class F insulation. 3.IP55 protection degree. 4.Rated voltage:380V (“Y” connection for power less than 3kW, “Δ” connection for power more than 4kW) 5.Rated frequency:50Hz. 6.Explosion proof class:d IIBT4 7.Cooling method:IC411.	0.18–90kW



12.3 附件及特殊要求代号表

12.3 Attachment and special requirements code table

代号/Code	说 明/Instruction	具体应用场合 Specified Applicable occasions
E01	防雨罩 /Rainproof cover	0.12kW~90kW
E02	防雨帽 /rainhat	0.12kW~90kW
E10	制动手柄释放/Brake with manual release	0.12kW~90kW (ME/MVE)
E11	螺栓释放/Bolt release	0.12kW~90kW (ME/MVE)
E13	微动开关/Microswitch	2.2kW~90kW (ME/MVE)
E25*	增量型编码器电源电压DC5~30V 防护等级IP54, 脉冲1024, 推挽输出 Incremental encoder power source voltage DC5~30V protection level IP54,pulsh 1024,Push-Pull output	0.12kW~90kW (MV/MVE)
E30	PTC热敏电阻 (120℃ ~ 135℃) / PTC thermistors (120℃ ~ 135℃)	0.12kW~90kW
E32	温度传感器 PT100 /Temperature sensor PT100	0.12kW~90kW
E33	加热带 /Heating belt	0.12kW~90kW
E34	热敏开关 /Thermal switch	0.12kW~90kW
E35	绝缘等级H级 /Insulation class H	0.12kW~90kW
E37	防尘、防盐雾、防霉三防要求, 已含防雨帽和加热带 Dustproof anti salt fog mildew Three proofing requirements, Already contains a rainhat and heating belt	0.12kW~90kW
E38	防护等级IP56 /Protection grade IP56	0.12kW~90kW
E60	风机电压单相220V /Fan single-phase voltage 220V	0.12kW~90kW (MV/MVE)
E62	制动器电压: AC400V /Brake external voltage: AC400V	0.12kW~4kW (ME/MVE)
E70	出线孔C号位 /Cable entry C	0.12kW~90kW
E71	出线孔B号位 /Cable entry B	0.12kW~7.5kW
E72	出线孔D号位 /Cable entry D	0.12kW~7.5kW

* M/ME/YZ/YZE 需配编码器请另咨询。

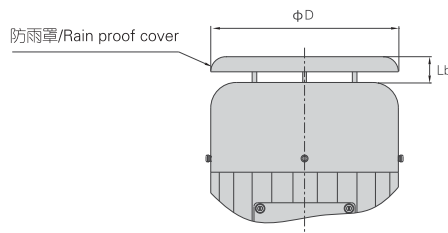
*其他特殊要求请另咨询。

*M / ME / YZ / YZE Please consult if you need encoder.

*Please consult if you have other special requirements.



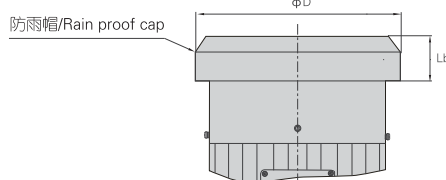
防雨罩（附件代号E01）



Rain proof cover(accessory code E01)

机座号	H71	H80	H90	H100	H112	H132	H160	H180	H200	H225	H250	H280
Lb	22	22	27	32	32	32	62	62	62	62	62	62
D	147	170	178	199	227	279	339	382	420	467	513	567

防雨帽（附件代号E02）

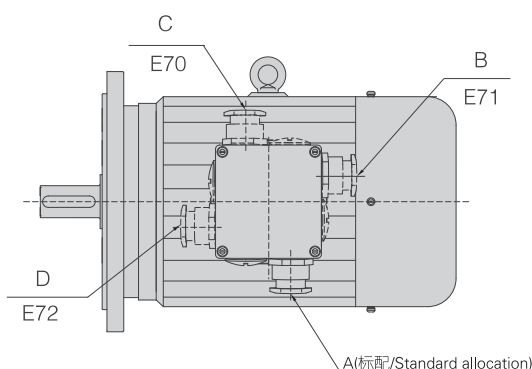
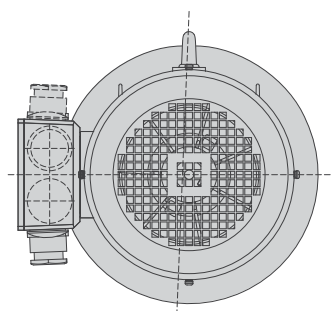


Rain proof cap(accessory code E02)

机座号	H71	H80	H90	H100	H112	H132	H160	H180	H200	H225	H250	H280
Lb	35	35	40	50	50	50	80	80	80	80	80	80
D	178	199	227	227	279	339	382	420	467	513	567	624

12.4 接线盒出线孔位置:

12.4 Terminal box and wiring outlet hole position:



注:电机接线盒出线孔一般以A号位供货,如图中所示(与减速机组合时)。

Note: In general, No.1 position wiring outlet hole for terminal box shall be supplied, as shown in the drawing. (when the motor combined with gear unit)

12.5 其它特殊电机另咨询。

12.5 Other specific motor on request.

12.6 客户自配电机:

12.6 Customers provided motor:

- 1) 购买带B5标准尺寸的联接法兰的产品时,电机自配。
- 2) 对于配CR系列的直联电机,本公司提供尺寸图,客户自购,本公司给予组装。

- 1) To buy the product with adapter flange of B5 standard size, customers can provide motors by themselves.
- 2) To directly connected motor with C/CR/F/K/S series products, we provide dimension drawing, and customers buy the motor by themselves, then we assemble them.



13 被驱动轴推荐尺寸:

13.1 锁紧盘:

13 Recommended dimensions for the driven machine:

13.1 Shrink Disk:

Technical drawing of a shrink disk assembly. The diagram shows a cross-section of the disk with dimensions W1, W2, D2, D3, L6, L7, L8, d4, and d5. A label '螺栓 Bolt' points to a bolt on the left. A label '被驱动轴 Driven machine shaft' points to the shaft on the right.

规格 Size	D2	D3	d4	d5	L6	L7	L8	W1	W2	型号 Model	螺栓 Bolt	重量 Weight (kg)
37	30H7	30H7	30h6	30h6	146	36	25	31	20	SP2-44X80	M6	0.6
47	35H7	35H7	35h6	35h6	177	37	25	32	20	SP2-44X80	M6	0.6
67	40H7	40H7	40h6	40h6	208	43	25	38	20	SP2-50X90	M6	0.8
77	50H7	50H7	50h6	50h6	241	41	35	36	30	SP2-62X110	M6	1.3
87	65H7	65H7	65h6	65h6	281	46	45	41	40	SP2-80X145	M8	1.9
97	75H7	75H7	75h6	75h6	345	60	55	55	50	SP2-90X155	M8	3.3
107	85H7	90H7	85h6	90h6	405	75	70	65	60	SP2-110X185	M10	5.9
127	105H7	105H7	105h6	105h6	485	95	80	85	70	SP2-140X230	M12	10
157	115H7	125H7	115h6	125h6	580	100	90	90	80	SP2-155X263	M12	15
167	135H7	140H7	135h6	140h6	728	130	100	122	90	SP2-175X300	M16	22
187	155H7	160H7	155h6	160h6	769	130	105	117	95	SP2-195X350	M16	41

13.2 花键轴:

13.2 Involute Spline:

规格 Size	D5	Dm	d9	Me	W3	W4	W5	S6
37	37	2.75	42	33.03	85	25	18	M10X30
47	37	4	42	38.92	115	32	18	M10X30
67	42	4	49	38.92	130	42	25	M10X30
77	55	4	62	54.13	160	52	23	M16X50
87	72	4	82	68.96	180	62	25	M20X60
97	72	4	90	74.15	240	72	25	M20X60
107	90	6	105	90.99	290	89	26	M20X60

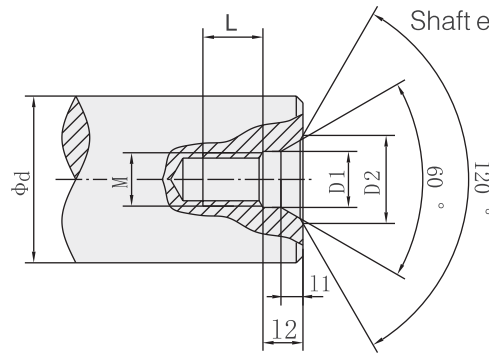


14 轴端中心孔:

14 Shaft end central hole:

轴端C型螺纹中心孔

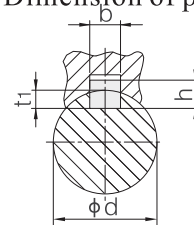
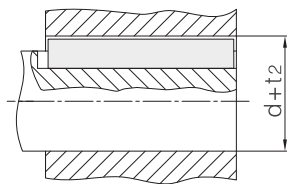
Shaft end C Type screw central hole



d	M	L	l2	l1	D1	D2
$7 < d \leq 10$	M3	10	2.6	1.8	3.2	5.8
$10 < d \leq 13$	M4	10	3.2	2.1	4.3	7.4
$13 < d \leq 16$	M5	10	4	2.4	5.3	8.8
$16 < d \leq 21$	M6	12	5	2.8	6.4	10.5
$21 < d \leq 24$	M8	12	6	3.3	8.4	13.2
$24 < d \leq 30$	M10	15	7.5	3.8	10.5	16.3
$30 < d \leq 38$	M12	20	9.5	4.4	13	19.8
$38 < d \leq 50$	M16	25	12	5.2	17	25.3
$50 < d \leq 85$	M20	30	15	6.4	21	31.3
$85 < d \leq 130$	M24	35	18	8	25	38
$130 < d \leq 225$	M30	45	18	11	31	48

15 平键与键槽的尺寸:

15 Dimension of parallel key and keyway:



d	b	h	t ₁	d + t ₂
$8 < d \leq 10$	3	3	1.8	d + 1.4
$10 < d \leq 12$	4	4	2.5	d + 1.8
$12 < d \leq 17$	5	5	3	d + 2.3
$17 < d \leq 22$	6	6	3.5	d + 2.8
$22 < d \leq 30$	8	7	4	d + 3.3
$30 < d \leq 38$	10	8	5	d + 3.3
$38 < d \leq 44$	12	8	5	d + 3.3
$44 < d \leq 50$	14	9	5.5	d + 3.8
$50 < d \leq 58$	16	10	6	d + 4.3
$58 < d \leq 65$	18	11	7	d + 4.4
$65 < d \leq 75$	20	12	7.5	d + 4.9
$75 < d \leq 85$	22	14	9	d + 5.4
$85 < d \leq 95$	25	14	9	d + 5.4
$95 < d \leq 110$	28	16	10	d + 6.4
$110 < d \leq 130$	32	18	11	d + 7.4
$130 < d \leq 150$	36	20	12	d + 8.4
$150 < d \leq 170$	40	22	13	d + 9.4
$170 < d \leq 200$	45	25	15	d + 10.4
$200 < d \leq 230$	50	28	17	d + 11.4
$230 < d \leq 260$	56	32	20	d + 12.4

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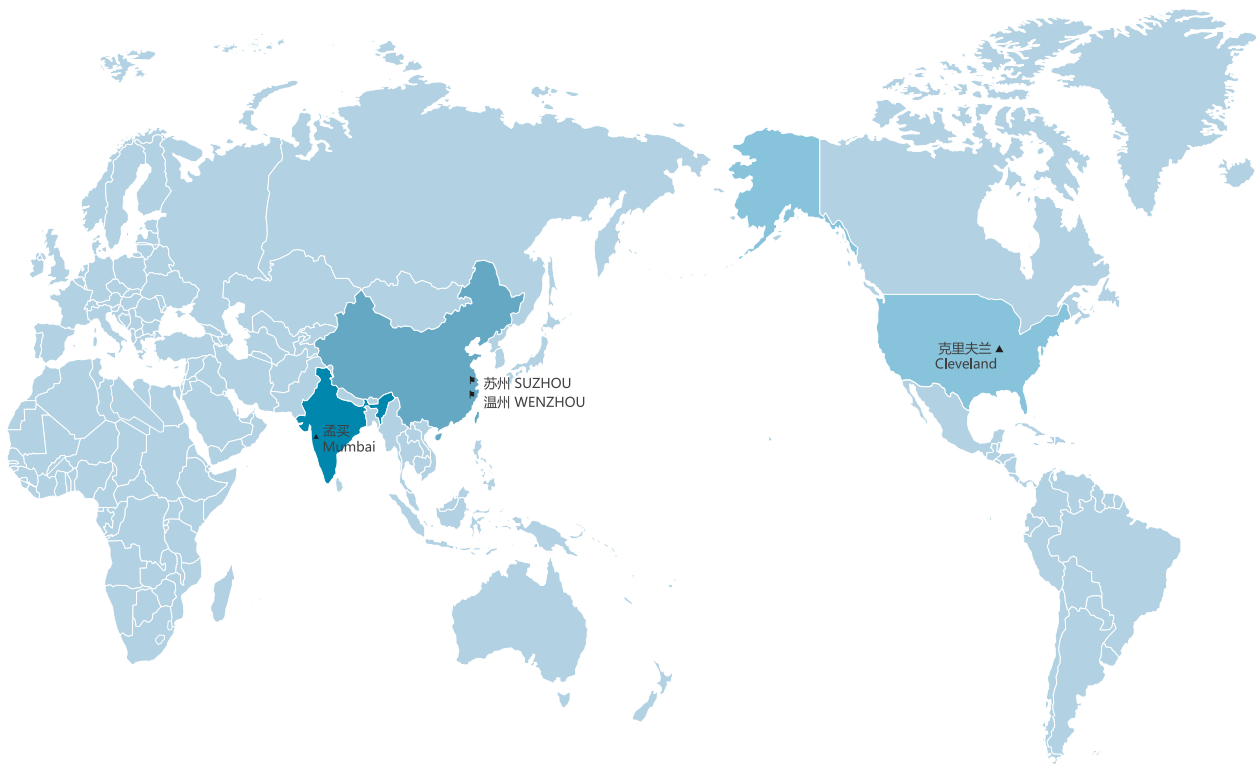
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