



K系列斜齿轮-锥齿轮减速机

动力传动专业制造商

PROFESSIONAL MANUFACTURER OF POWER TRANSMISSION

设计理念: 遵循规律, 总是超越

DESIGN PHILOSOPHY: To follow the law, but always beyond.

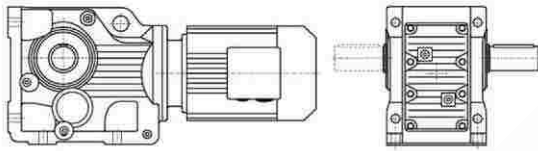
经营理念: 为客户需求而设计, 为客户满意而执着

BUSINESS PHILOSOPHY: Design for customer demand, dedication for customer satisfaction



K系列减速机有以下设计方案：

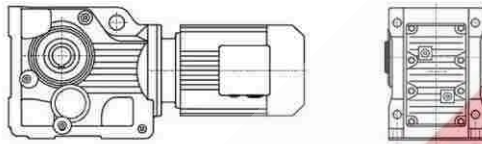
K series gear units are available in the following designs:



K.Y..

底脚轴伸式安装螺旋锥齿轮减速机

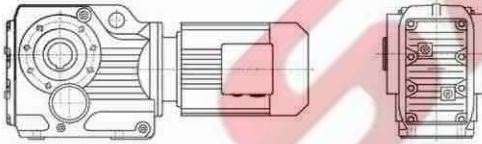
Foot-mounted helical-bevel gear units with solid shaft



K.AB...Y..

底脚空心轴安装螺旋锥齿轮减速机

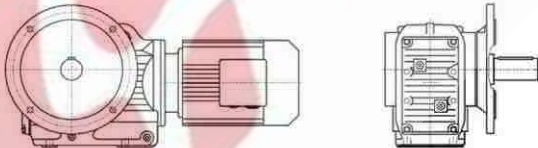
Foot-mounted helical-bevel gear units with hollow shaft



K.A...Y..

空心轴安装螺旋锥齿轮减速机

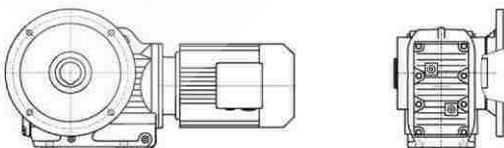
Helical-bevel gear units with hollow shaft



K.F...Y..

法兰轴伸式安装螺旋锥齿轮减速机

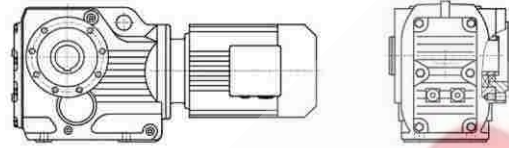
Flange-mounted helical-bevel gear units with solid shaft



K.AF...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



K.AZ...Y..

小法兰空心轴安装螺旋锥齿轮减速机

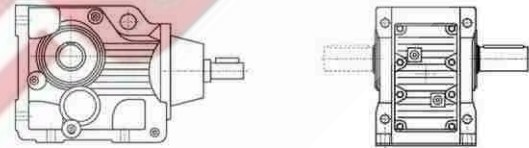
Short-flange-mounted helical-bevel gear units with hollow shaft



K.AT...Y..

带防转臂空心轴安装螺旋锥齿轮减速机

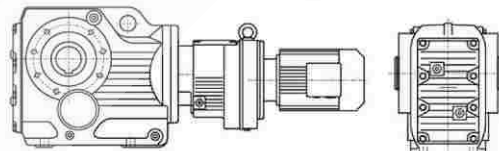
Torque-arm-mounted helical-bevel gear units with hollow shaft



K (K.F, K.A, K.AF, K.AB, K.AZ) S...

轴输入的螺旋锥齿轮减速机

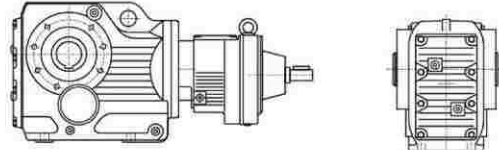
Shaft input helical-bevel gear units



K.A (K, K.F, K.AF, K.AB, K.AZ) ...R...Y...

组合式螺旋锥齿轮减速机

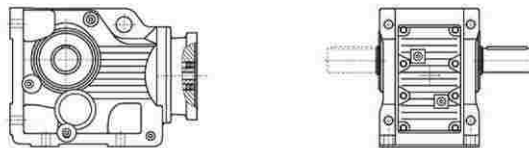
Combinatorial helical-bevel gear units



K.A (K, K.F, K.AF, K.AB, K.AZ) S...R...

轴输入的组合式螺旋锥齿轮减速机

Shaft input combinatorial helical-bevel gear units



K.A (K, K.F, K.AF, K.AB, K.AZ) ...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

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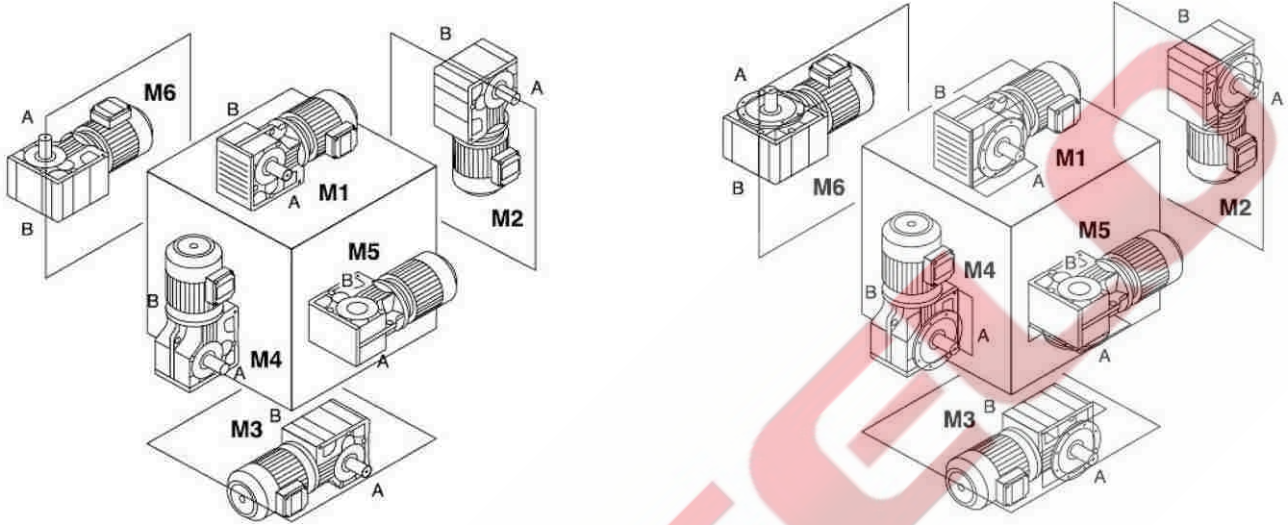
型号与标记:
Type Designations:

<p>K F 37-Y 0.55-4P-24.99-M1-180°-A-CW</p> <p>减速机类型 结构形式 机座号 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 输出轴旋转方向</p>	<p>K F 37-Y 0.55-4P-24.99-M1-180°-A-CW</p> <p>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 flange Rotate direction of output shaft</p>
<p>减速机类型: 斜齿-螺旋锥齿轮减速机</p>	<p>Gear units type: Helical-bevel gear units</p>
<p>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)</p>	<p>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)</p>
<p>规格: (见选型参数表)</p>	<p>Size: (see selection table)</p>
<p>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</p>	<p>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</p>
<p>电机功率、极数: (见选型参数表)</p>	<p>Motor power, pole : (see selection table)</p>
<p>传动比: (见选型参数表)</p>	<p>Ratio: (see selection table)</p>
<p>安装形式: M1、M2、M3、M4、M5、M6 (见第93页)</p>	<p>Mounting position: M1、M2、M3、M4、M5、M6(see page 93)</p>
<p>电机接线盒位置: 0°、90°、180°、270° (见第93页)</p>	<p>Position of the motor thermal box: 0°、90°、180°、270° (see page 93)</p>
<p>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</p>	<p>Position of output shaft or flange: viewing on motor end:left side -A, right side-B,both sides-A+B(see mounting position)</p>
<p>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</p>	<p>Rotate direction of output shaft (viewing on output shaft): Clockwise CW Counter clockwise CCW</p>

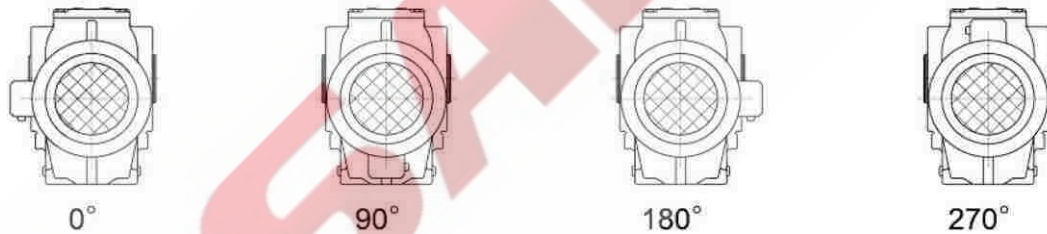
*带锁紧盘式, 详见393-394页。

*Hollow shaft output with shrink disk, see P393-394 for detail.

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.

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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

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	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						0.18kW					
0.09	16482	14975	0.74			1.5	994	903	0.78		
0.11	13692	12440	0.89			1.8	873	793	0.88		
0.13	12013	10914	1.0			2.0	767	697	1.0		
0.14	10807	9819	1.1			2.3	675	613	1.1	K 67R37	4
0.16	9293	8443	1.3	K 127R77	4	2.6	597	542	1.3	KF 67R37	4
0.19	8236	7483	1.5	KF 127R77	4	3.0	518	471	1.5	KA 67R37	4
0.21	7226	6565	1.7	KA 127R77	4	3.3	462	420	1.7	KAF67R37	4
0.24	6388	5804	1.9	KAF127R77	4	3.9	397	361	1.9		
0.28	5533	5027	2.2			4.3	356	323	2.2		
0.31	4868	4423	2.5			5.1	299	272	2.6		
0.37	4184	3801	2.9								
0.43	3563	3237	3.4								
0.17	9037	8211	0.8			2.3	677	615	0.8		
0.19	7888	7167	1.0			2.6	599	544	0.9		
0.23	6711	6097	1.1			2.9	521	473	1.1		
0.25	6144	5582	1.2			3.3	463	421	1.2		
0.27	5575	5065	1.3	K 107R77	4	3.8	398	362	1.4	K 57R37	4
0.32	4732	4299	1.6	KF 107R77	4	4.4	351	319	1.6	KF 57R37	4
0.37	4135	3757	1.8	KA 107R77	4	5.1	300	273	1.9	KA 57R37	4
0.43	3562	3236	2.1	KAF107R77	4	5.8	264	240	2.1	KAF57R37	4
0.48	3158	2869	2.4			6.5	237	215	2.4		
0.56	2756	2504	2.7			7.2	211	192	2.7		
0.63	2425	2203	3.1			8.4	183	166	3.1		
0.30	5139	4669	0.79			3.7	413	375	0.9		
0.34	4493	4082	0.90			4.3	359	326	1.0		
0.39	3944	3583	1.0			4.8	318	289	1.2	K 47R37	4
0.45	3421	3108	1.2			5.6	275	250	1.4	KF 47R37	4
0.50	3035	2757	1.3			6.2	248	225	1.5	KA 47R37	4
0.57	2662	2419	1.5			7.0	218	198	1.7	KAF47R37	4
0.65	2337	2123	1.7	K 97R57	4	8.3	184	167	2.0		
0.75	2043	1856	2.0	KF 97R57	4	9.3	164	149	2.3		
0.86	1789	1625	2.3	KA 97R57	4	11	141	128	2.7		
0.97	1574	1430	2.6	KAF97R57	4						
1.1	1388	1261	2.9			6.8	226	205	0.83	K 37R17	4
1.3	1213	1102	3.3			7.7	199	181	0.94	KF 37R17	4
1.5	1053	957	3.8			8.7	176	160	1.07	KA 37R17	4
1.6	941	855	4.3			10	150	136	1.26	KAF37R17	4
1.9	818	743	4.9			11	140	127	1.34		
2.1	717	651	5.6								
0.45	3420	3107	0.74			5.9	275	144.79	2.8	K 67	6
0.51	3003	2728	0.85			6.9	235	123.54	3.3	KF 67	6
0.59	2610	2371	0.97			7.9	205	108.03	3.8	KA 67	6
0.67	2298	2088	1.1			8.3	195	102.62	4.0	KAF67	6
0.75	2041	1854	1.2	K 87R57	4						
0.84	1825	1658	1.4	KF 87R57	4	9.6	168	144.79	4.6	K 67	4
1.0	1557	1415	1.6	KA 87R57	4	11	144	123.54	5.4	KF 67	4
1.1	1353	1229	1.9	KAF87R57	4	13	126	108.03	6.1	KA 67	4
1.3	1187	1078	2.1								
1.5	1047	951	2.4			5.9	276	145.14	2.0	K 57	6
1.7	921	837	2.8			6.9	235	123.85	2.4	KF 57	6
1.9	799	726	3.2			7.8	206	108.29	2.7	KA 57	6
						8.3	196	102.88	2.9	KAF57	6
						9.4	172	90.26	3.3		
0.9	1666	1514	0.9								
1.0	1528	1388	1.0			9.6	169	145.14	3.3		
1.1	1341	1218	1.1			11	144	123.85	3.9	K 57	4
1.3	1159	1053	1.3			13	126	108.29	4.5	KF 57	4
1.5	1017	924	1.4	K 77R37	4	14	120	102.88	4.7	KA 57	4
1.7	897	815	1.6	KF 77R37	4	15	105	90.26	5.4	KAF57	4
2.0	780	709	1.9	KA 77R37	4	18	89	76.56	6.3		
2.2	685	622	2.1	KAF77R37	4						
2.5	608	552	2.4			6.4	251	131.87	1.50	K 47	6
2.9	534	485	2.7			7.0	231	121.48	1.63	KF 47	6
3.2	471	428	3.1			8.1	198	104.37	1.90	KA 47	6
3.8	404	367	3.6			9.4	173	90.86	2.2	KAF47	6
						10	162	85.12	2.3		

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选型参数表

SELECTION TABLE

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	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						0.25kW					
11	153	131.87	2.5	K 47	4	0.86	2484	1625	1.6		
12	141	121.48	2.7	KF 47	4	1.0	2186	1430	1.8	K 97R57	4
13	121	104.37	3.1	KA 47	4	1.1	1928	1261	2.1	KF 97R57	4
15	106	90.86	3.6	KAF47	4	1.3	1685	1102	2.4	KA 97R57	4
16	99	85.12	3.8			1.5	1463	957	2.8	KAF97R57	4
8.0	202	106.38	0.93	K 37	6	1.6	1307	855	3.1		
8.7	186	97.81	1.01	KF 37	6	0.7	3192	2088	0.80		
10	159	83.69	1.18	KA 37	6	0.7	2834	1854	0.90		
12	138	72.54	1.36	KAF37	6	0.8	2535	1658	1.0		
13	124	106.38	1.52			1.0	2163	1415	1.2	K 87R57	4
14	114	97.81	1.65			1.1	1879	1229	1.4	KF 87R57	4
17	97	83.69	1.93			1.3	1648	1078	1.5	KA 87R57	4
19	84	72.54	2.2			1.5	1454	951	1.7	KAF87R57	4
21	79	67.80	2.4			1.7	1280	837	2.0		
24	68	58.60	2.8			1.9	1110	726	2.3		
28	58	49.79	3.2			2.2	975	638	2.6		
31	52	44.46	3.6			1.3	1610	1053	0.9		
37	44	37.97	4.3			1.5	1413	924	1.0		
39	41	35.57	4.5	K 37	4	1.7	1246	815	1.2		
46	35	29.96	5.4	KF 37	4	2.0	1084	709	1.3		
48	34	28.83	5.6	KA 37	4	2.2	951	622	1.5		
56	29	24.99	6.5	KAF37	4	2.5	844	552	1.7	K 77R37	4
60	27	23.36	6.7			2.9	741	485	2.0	KF 77R37	4
69	23	20.19	7.4			3.2	654	428	2.2	KA 77R37	4
81	20	17.15	8.5			3.9	547	358	2.7	KAF77R37	4
91	18	15.31	9.2			4.3	489	320	3.0		
106	15	13.08	10			4.9	433	283	3.4		
114	14	12.14	11			5.7	376	246	3.9		
133	12	10.49	12			6.4	330	216	4.4		
156	10	8.91	15			7.3	292	191	5.0		
175	9	7.96	16			8.2	260	170	5.6		
0.25kW						0.25kW					
0.14	15010	9819	0.81			2.3	937	613	0.8		
0.16	12907	8443	0.95			2.6	829	542	0.9		
0.19	11438	7482	1.07			3.0	720	471	1.1	K 67R37	4
0.21	10036	6565	1.2	K 127R77	4	3.3	642	420	1.2	KF 67R37	4
0.24	8872	5804	1.4	KF 127R77	4	3.9	552	361	1.4	KA 67R37	4
0.28	7685	5027	1.6	KA 127R77	4	4.3	494	323	1.6	KAF67R37	4
0.31	6761	4423	1.8	KAF127R77	4	5.1	416	272	1.9		
0.37	5811	3801	2.1			5.8	367	240	2.1		
0.43	4948	3237	2.5			6.4	332	217	2.3		
0.23	9320	6097	0.81			3.3	644	421	0.9		
0.25	8533	5582	0.88			3.8	553	362	1.0		
0.27	7743	5065	1.0			4.4	488	319	1.2		
0.32	6572	4299	1.1			5.1	417	273	1.4		
0.37	5743	3757	1.3			5.8	367	240	1.5	K 57R37	4
0.43	4947	3236	1.5	K 107R77	4	6.5	329	215	1.7	KF 57R37	4
0.48	4386	2869	1.7	KF 107R77	4	7.2	294	192	1.9	KA 57R37	4
0.56	3828	2504	2.0	KA 107R77	4	8.4	254	166	2.2	KAF57R37	4
0.63	3368	2203	2.2	KAF107R77	4	9.9	216	141	2.6		
0.74	2857	1869	2.6			11	193	126	2.9		
0.82	2582	1689	2.9			13	165	108	3.4		
0.91	2343	1533	3.2			15	145	95	3.9		
1.06	2013	1317	3.7			4.2	536	154.02	2.7	K 77	8
0.45	4751	3108	0.9	K 97R57	4	4.8	471	135.28	3.1	KF 77	8
0.50	4215	2757	1.0	KF 97R57	4	5.0	447	128.52	3.3	KA 77	8
0.57	3698	2419	1.1	KA 97R57	4	5.7	395	113.56	3.7	KAF77	8
0.65	3245	2123	1.2	KAF97R57	4	4.4	507	192.18	2.9	K 77	6
0.75	2837	1856	1.4			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

选型参数表

SELECTION TABLE

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	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						0.37kW					
5.2	430	123.54	1.8	K 67	8	0.19	16930	7483	0.72		
6.0	376	108.03	2.1	KF 67	8	0.21	14853	6565	0.82		
6.3	357	102.62	2.2	KA 67	8	0.24	13131	5804	0.93		
7.2	313	90.04	2.5	KAF67	8	0.28	11373	5027	1.07		
5.9	382	144.79	2.0	K 67	6	0.31	10007	4423	1.22	K 127R77	4
6.9	326	123.54	2.4	KF 67	6	0.37	8600	3801	1.42	KF 127R77	4
7.9	285	108.03	2.7	KA 67	6	0.43	7324	3237	1.67	KA 127R77	4
8.3	271	102.62	2.8	KAF67	6	0.72	4357	1926	2.80	KAF127R77	4
9.6	234	144.79	3.3	K 67	4	0.79	3975	1757	3.07		
11	199	123.54	3.9	KF 67	4	0.90	3486	1541	3.51		
13	174	108.03	4.4	KA 67	4	0.37	8500	3757	0.88		
14	166	102.62	4.7	KAF67	4	0.43	7321	3236	1.03		
5.9	383	145.14	1.5	K 57	6	0.48	6491	2869	1.16		
6.9	327	123.85	1.7	KF 57	6	0.56	5665	2504	1.33	K 107R77	4
7.8	286	108.29	2.0	KA 57	6	0.63	4984	2203	1.51	KF 107R77	4
8.3	272	102.88	2.1	KAF57	6	0.74	4229	1869	1.78	KA 107R77	4
9.4	238	90.26	2.4			0.82	3821	1689	1.97	KAF107R77	4
11	202	76.56	2.8			0.91	3468	1533	2.2		
9.6	234	145.14	2.4			1.06	2980	1317	2.5		
11	200	123.85	2.8	K 57	4	1.21	2602	1150	2.9		
13	175	108.29	3.2	KF 57	4	0.65	4803	2123	0.84		
14	166	102.88	3.4	KA 57	4	0.75	4199	1856	0.96		
15	146	90.26	3.9	KAF57	4	0.86	3676	1625	1.10		
18	124	76.56	4.6			0.97	3235	1430	1.25	K 97R57	4
6.4	348	131.87	1.08	K 47	6	1.1	2853	1261	1.42	KF 97R57	4
7.0	321	121.48	1.17	KF 47	6	1.3	2493	1102	1.62	KA 97R57	4
8.1	276	104.37	1.36	KA 47	6	1.5	2165	957	1.87	KAF97R57	4
9.4	240	90.86	1.57	KAF47	6	1.6	1934	855	2.1		
10	225	85.12	1.67			1.9	1681	743	2.4		
11	213	131.87	1.77	K 47	4	2.1	1473	651	2.7		
11	196	121.48	1.92	KF 47	4	2.4	1296	573	3.1		
13	169	104.37	2.2	KA 47	4	1.0	3201	1415	0.79		
15	147	90.86	2.6	KAF47	4	1.1	2781	1229	0.91		
16	137	85.12	2.7			1.3	2439	1078	1.04		
10	221	83.69	0.9	K 37	6	1.5	2152	951	1.18	K 87R57	4
12	192	72.54	1.0	KF 37	6	1.7	1894	837	1.34	KF 87R57	4
13	179	67.80	1.1	KA 37	6	1.9	1643	726	1.55	KA 87R57	4
15	155	58.60	1.2	KAF37	6	2.2	1443	638	1.76	KAF87R57	4
17	131	49.79	1.4			2.5	1272	562	2.0		
13	172	106.38	1.1			2.9	1072	474	2.4		
14	158	97.81	1.2			3.3	964	426	2.6		
17	135	83.69	1.4			3.7	844	373	3.0		
19	117	72.54	1.6			1.7	1844	815	0.79		
21	109	67.80	1.7			2.0	1604	709	0.91		
24	95	58.60	2.0			2.2	1407	622	1.04		
28	80	49.79	2.3			2.5	1249	552	1.17		
31	72	44.46	2.6			2.9	1097	485	1.33	K 77R37	4
37	61	37.97	3.1			3.2	968	428	1.50	KF 77R37	4
39	57	35.57	3.3			3.9	810	358	1.80	KA 77R37	4
46	48	29.96	3.9	K 37	4	4.3	724	320	2.0	KAF77R37	4
48	47	28.83	4.0	KF 37	4	4.9	640	283	2.3		
56	40	24.99	4.7	KA 37	4	5.7	557	246	2.6		
60	38	23.36	4.9	KAF37	4	6.4	489	216	3.0		
69	33	20.19	5.3			7.3	432	191	3.4		
81	28	17.15	6.1			8.2	385	170	3.8		
91	25	15.31	6.7			9.3	339	150	4.3		
106	21	13.08	7.3			3.3	950	420	0.81		
114	20	12.14	7.7			3.9	817	361	0.94		
133	17	10.49	8.9			4.3	731	323	1.05		
156	14	8.91	10			5.1	615	272	1.25	K 67R37	4
175	13	7.96	11			5.8	543	240	1.42	KF 67R37	4
204	11	6.80	13			6.4	491	217	1.57	KA 67R37	4
218	10	6.37	13			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		

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选型参数表

SELECTION TABLE

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	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						0.37kW					
5.1	618	273	0.91			8.5	392	104.37	0.96	K 47	6
5.8	543	240	1.04			9.7	341	90.86	1.10	KF 47	6
6.5	486	215	1.16	K 57R37	4	10	319	85.12	1.18	KA 47	6
7.2	434	192	1.30	KF 57R37	4	12	282	75.2	1.33	KAF47	6
8.4	376	166	1.50	KA 57R37	4						
9.9	319	141	1.77	KAF57R37	4	11	315	131.87	1.19		
11	285	126	1.98			12	290	121.48	1.30		
13	244	108	2.3			13	249	104.37	1.51	K 47	4
15	215	95	2.6			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
3.8	868	174.99	2.9	K 87	8	20	167	69.84	2.3		
4.1	813	164.05	3.1	KF 87	8	22	151	63.30	2.5		
4.6	729	147.09	3.5	KA 87	8						
				KAF87	8	14	234	97.81	0.80		
						17	200	83.69	0.94		
4.5	740	197.27	3.4	K 87	6	19	173	72.54	1.08		
5.1	657	174.99	3.9	KF 87	6	21	162	67.80	1.16		
				KA 87	6	24	140	58.60	1.34		
				KAF87	6	28	119	49.79	1.58		
5.0	671	135.28	2.2	K 77	8	31	106	44.46	1.77		
5.2	637	128.52	2.3	KF 77	8	37	91	37.97	2.07		
5.9	563	113.56	2.6	KA 77	8	39	85	35.57	2.21		
6.9	481	97.05	3.0	KAF77	8	46	72	29.96	2.63	K 37	4
						48	69	28.83	2.73	KF 37	4
5.7	578	154.02	2.5	K 77	6	56	60	24.99	3.15	KA 37	4
6.5	508	135.28	2.9	KF 77	6	60	56	23.36	3.28	KAF37	4
6.9	482	128.52	3.0	KA 77	6	69	48	20.19	3.60		
7.8	426	113.56	3.4	KAF77	6	81	41	17.15	4.13		
						91	37	15.31	4.5		
7.23	459	192.18	3.2	K 77	4	106	31	13.08	5.0		
7.75	429	179.37	3.4	KF 77	4	114	29	12.14	5.2		
9.02	368	154.02	4.0	KA 77	4	133	25	10.49	6.0		
				KAF77	4	156	21	8.91	7.1		
						175	19	7.96	7.7		
6.2	536	108.03	1.44	K 67	8	204	16	6.80	8.7		
6.5	509	102.62	1.52	KF 67	8	218	15	6.37	9.0		
7.4	446	90.04	1.73	KA 67	8	259	13	5.56	10		
				KAF67	8						
7.2	464	123.54	1.66	K 67	6	0.55kW					
8.2	405	108.03	1.90	KF 67	6	0.08	57099	16978	0.82		
8.6	385	102.62	2.0	KA 67	6	0.10	47998	14272	0.98	K 187R97	4
9.8	338	90.04	2.3	KAF67	6	0.11	44111	13116	1.07	KA 187R97	4
						0.12	39170	11647	1.20		
9.6	346	144.79	2.2			0.19	24662	7333	1.9		
11	295	123.54	2.6	K 67	4						
13	258	108.03	3.0	KF 67	4	0.12	38783	11532	0.78		
15	215	90.04	3.6	KA 67	4	0.14	34395	10227	0.87		
18	182	76.37	4.2	KAF67	4	0.16	28913	8597	1.04	K 167R97	4
						0.21	21988	6538	1.37	KA 167R97	4
7.1	465	123.85	1.2			0.26	18046	5366	1.67		
8.2	406	108.29	1.4	K 57	6	0.34	13651	4059	2.2		
8.6	386	102.88	1.5	KF 57	6						
10	339	90.26	1.7	KA 57	6	0.20	23142	6881	0.73	K 157R97	4
12	287	76.56	2.0	KAF57	6	0.23	19947	5931	0.85	KF 157R97	4
13	259	69.12	2.2			0.35	13365	3974	1.27	KA 157R97	4
						0.46	10247	3047	1.65	KAF157R97	4
9.6	347	145.14	1.6								
11	296	123.85	1.9	K 57	4	0.31	14875	4423	0.82		
13	259	108.29	2.2	KF 57	4	0.37	12783	3801	0.96		
14	246	102.88	2.3	KA 57	4	0.43	10886	3237	1.12		
15	216	90.26	2.6	KAF57	4	0.47	9891	2941	1.24		
18	183	76.56	3.1			0.55	8569	2548	1.43	K 127R77	4
20	165	69.12	3.4			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		

选型参数表

SELECTION TABLE

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	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						0.55kW					
0.48	9649	2869	0.78			3.8	1290	174.99	2.0	K 87	8
0.56	8421	2504	0.89			4.1	1209	164.05	2.1	KF 87	8
0.63	7409	2203	1.01			4.5	1084	147.09	2.3	KA 87	8
0.74	6286	1869	1.20							KAF87	8
0.82	5680	1689	1.32	K 107R77	4	4.5	1101	197.27	2.3	K 87	6
0.91	5156	1533	1.46	KF 107R77	4	5.1	976	174.99	2.6	KF 87	6
1.1	4429	1317	1.70	KA 107R77	4	5.4	915	164.05	2.8	KA 87	6
1.2	3868	1150	1.94	KAF107R77	4	6.0	821	147.09	3.1	KAF87	6
1.4	3414	1015	2.2			6.5	755	135.28	1.9	K 77	8
1.6	2929	871	2.6			6.9	717	128.52	2.0	KF 77	8
1.8	2630	782	2.9			7.8	634	113.56	2.3	KA 77	8
2.0	2307	686	3.3			9.1	541	97.05	2.7	KAF77	8
2.3	2038	606	3.7			5.7	859	154.02	1.70	K 77	6
1.0	4809	1430	0.8			6.5	755	135.28	1.93	KF 77	6
1.1	4241	1261	1.0			6.9	717	128.52	2.0	KA 77	6
1.3	3706	1102	1.1			7.8	634	113.56	2.3	KAF77	6
1.5	3218	957	1.3			9.0	547	154.02	2.7	K 77	4
1.6	2875	855	1.4	K 97R57	4	10	481	135.28	3.0	KF 77	4
1.9	2499	743	1.6	KF 97R57	4	11	457	128.52	3.2	KA 77	4
2.1	2189	651	1.8	KA 97R57	4	12	403	113.56	3.6	KAF77	4
2.4	1927	573	2.1	KAF97R57	4	14	345	97.05	4.2		
2.8	1695	504	2.4			7.2	689	123.54	1.12	K 67	6
3.2	1470	437	2.8			8.2	603	108.03	1.28	KF 67	6
3.6	1285	382	3.1			8.6	573	102.62	1.35	KA 67	6
4.6	1026	305	3.9			10	502	90.04	1.53	KAF67	6
1.5	3198	951	0.79			12	426	76.37	1.81		
1.7	2815	837	0.90			11	439	123.54	1.76	K 67	4
1.9	2442	726	1.04			13	384	108.03	2.0	KF 67	4
2.2	2146	638	1.18			15	320	90.04	2.4	KA 67	4
2.5	1890	562	1.34			18	271	76.37	2.8	KAF67	4
2.9	1594	474	1.59	K 87R57	4	8.2	604	108.29	0.93		
3.3	1433	426	1.77	KF 87R57	4	8.6	574	102.88	0.98		
3.7	1254	373	2.0	KA 87R57	4	9.8	504	90.26	1.12	K 57	6
4.2	1110	330	2.3	KAF87R57	4	12	427	76.56	1.32	KF 57	6
4.7	985	293	2.6			13	386	69.12	1.46	KA 57	6
5.6	841	250	3.0			14	339	60.81	1.66	KAF57	6
5.9	794	236	3.2			15	320	57.42	1.76		
6.9	676	201	3.8			11	440	123.85	1.28		
2.5	1856	552	0.78			13	385	108.29	1.47		
2.9	1631	485	0.89			14	365	102.88	1.54	K 57	4
3.2	1439	428	1.01			15	321	90.26	1.76	KF 57	4
3.9	1204	358	1.21	K 77R37	4	18	272	76.56	2.1	KA 57	4
4.3	1076	320	1.35	KF 77R37	4	20	246	69.12	2.3	KAF57	4
4.9	952	283	1.53	KA 77R37	4	23	216	60.81	2.6		
5.7	827	246	1.76	KAF77R37	4	24	204	57.42	2.8		
6.4	726	216	2.0			13	371	104.37	1.01		
7.3	642	191	2.3			15	323	90.86	1.17		
8.2	572	170	2.5			16	302	85.12	1.24	K 47	4
9.3	504	150	2.9			18	267	75.20	1.41	KF 47	4
5.1	915	272	0.84			20	248	69.84	1.52	KA 47	4
5.8	807	240	0.95			22	225	63.30	1.67	KAF47	4
6.4	730	217	1.1	K 67R37	4	24	202	56.83	1.86		
7.3	642	191	1.2	KF 67R37	4	28	174	48.95	2.2		
8.4	558	166	1.4	KA 67R37	4	30	164	46.03	2.3		
9.7	484	144	1.6	KAF67R37	4	24	208	58.6	0.90	K 37	4
12	400	119	1.9			28	177	49.79	1.06	KF 37	4
7.2	646	192	0.87			31	158	44.46	1.19	KA 37	4
8.4	558	166	1.0	K 57R37	4	37	135	37.97	1.39	KAF37	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								

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选型参数表

SELECTION TABLE

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	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						0.75kW					
39	126	35.57	1.49			1.9	3329	726	0.76		
46	106	29.96	1.77			2.2	2926	638	0.87		
48	102	28.83	1.84			2.5	2577	562	0.98		
56	89	24.99	2.1	K 37	4	2.9	2174	474	1.17	K 87R57	4
60	83	23.36	2.2	KF 37	4	3.3	1954	426	1.30	KF 87R57	4
69	72	20.19	2.4	KA 37	4	3.7	1711	373	1.48	KA 87R57	4
81	61	17.15	2.8	KAF37	4	4.2	1513	330	1.68	KAF87R57	4
91	54	15.31	3.0			4.7	1344	293	1.89		
106	46	13.08	3.3			5.6	1147	250	2.2		
114	43	12.14	3.5			5.9	1082	236	2.3		
133	37	10.49	4.0			6.9	922	201	2.8		
156	32	8.91	4.8								
175	28	7.96	5.2			3.9	1642	358	0.89	K 77R37	4
204	24	6.80	5.8			4.3	1468	320	0.99	KF 77R37	4
218	23	6.37	6.0			4.9	1298	283	1.12	KA 77R37	4
259	19	5.36	6.9			5.7	1128	246	1.29	KAF77R37	4
						6.4	991	216	1.47		
0.75kW						0.75kW					
0.11	60151	13116	0.78			3.9	1737	175.47	2.3	K 97	8
0.12	53414	11647	0.88			4.4	1508	152.31	2.7	KF 97	8
0.19	33630	7333	1.40	K 187R97	4	4.8	1389	140.28	2.9	KA 97	8
0.21	30901	6738	1.52	KA 187R97	4					KAF97	8
0.23	27443	5984	1.71			4.6	1456	147.09	1.7	K 87	8
0.16	39426	8597	0.76			5.4	1254	126.68	2.0	KF 87	8
0.21	29984	6538	1.00	K 167R97	4	5.9	1140	115.16	2.2	KA 87	8
0.26	24609	5366	1.22	KA 167R97	4	6.6	1017	102.71	2.5	KAF87	8
0.34	18615	4059	1.62								
0.41	15405	3359	1.95			5.2	1295	174.99	2.0	K 87	6
0.35	18225	3974	0.93	K 157R97	4	5.5	1214	164.05	2.1	KF 87	6
0.46	13974	3047	1.21	KF 157R97	4	6.2	1088	147.09	2.3	KA 87	6
0.83	7705	1680	2.2	KA 157R97	4	7.2	937	126.68	2.7	KAF87	6
1.02	6260	1365	2.7	KAF157R97	4						
0.43	14845	3237	0.82			7.0	956	197.27	2.7	K 87	4
0.47	13488	2941	0.91			8.0	848	174.99	3.0	KF 87	4
0.55	11685	2548	1.05			8.5	795	164.05	3.2	KA 87	4
0.72	8833	1926	1.38	K 127R77	4	9.4	712	147.09	3.6	KAF87	4
0.79	8058	1757	1.52	KF 127R77	4						
0.90	7067	1541	1.73	KA 127R77	4	6.7	1001	135.28	1.46	K 77	6
1.0	6154	1342	1.99	KAF127R77	4	7.1	951	128.52	1.53	KF 77	6
1.2	5398	1177	2.3			8.0	840	113.56	1.73	KA 77	6
1.4	4701	1025	2.6			9.4	718	97.05	2.0	KAF77	6
1.5	4123	899	3.0			10	658	88.97	2.2		
0.82	7746	1689	0.97								
0.91	7030	1533	1.07			9.0	746	154.02	1.95	K 77	4
1.1	6040	1317	1.25	K 107R77	4	10	655	135.28	2.2	KF 77	4
1.2	5274	1150	1.43	KF 107R77	4	11	623	128.52	2.3	KA 77	4
1.4	4655	1015	1.62	KA 107R77	4	12	550	113.56	2.6	KAF77	4
1.6	3994	871	1.88	KAF107R77	4	14	470	97.05	3.1		
1.8	3586	782	2.1								
2.0	3146	686	2.4			11	598	123.54	1.29		
2.3	2779	606	2.7			13	523	108.03	1.47	K 67	4
1.3	5054	1102	0.8			15	436	90.04	1.77	KF 67	4
1.5	4389	957	0.9			18	370	76.37	2.1	KA 67	4
1.6	3921	855	1.0			20	334	68.95	2.3	KAF67	4
1.9	3407	743	1.2	K 97R57	4	23	294	60.66	2.6		
2.1	2986	651	1.4	KF 97R57	4	24	277	57.28	2.8		
2.4	2628	573	1.5	KA 97R57	4						
2.8	2311	504	1.7	KAF97R57	4	11	600	123.85	0.9		
3.2	2004	437	2.0			13	525	108.29	1.1		
3.6	1752	382	2.3			14	498	102.88	1.1		
4.6	1399	305	2.9			15	437	90.26	1.3	K 57	4
5.4	1183	258	3.4			18	371	76.56	1.5	KF 57	4
6.0	1064	232	3.8			20	335	69.12	1.7	KA 57	4
7.0	913	199	4.4			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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选型参数表

SELECTION TABLE

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	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						1.1kW					
18	364	75.2	1.03			1.5	6047	899	2.0		
20	338	69.84	1.11			1.8	5314	790	2.3	K 127R77	4
22	307	63.30	1.23	K 47	4	2.0	4641	690	2.6	KF 127R77	4
24	275	56.83	1.37	KF 47	4	2.3	4029	599	3.0	KA 127R77	4
28	237	48.95	1.59	KA 47	4	2.6	3625	539	3.4	KAF127R77	4
30	223	46.03	1.69	KAF47	4	3.0	3148	468	3.9		
35	192	39.61	1.96			1.2	7735	1150	1.0		
39	171	35.39	2.2			1.4	6827	1015	1.1		
45	151	31.19	2.5			1.6	5859	871	1.3		
31	215	44.46	0.87			1.8	5260	782	1.4	K 107R77	4
37	184	37.97	1.02			2.0	4614	686	1.6	KF 107R77	4
39	172	35.57	1.09			2.3	4076	606	1.8	KA 107R77	4
46	145	29.96	1.30			2.7	3464	515	2.2	KAF107R77	4
48	140	28.83	1.35			3.1	3060	455	2.5		
56	121	24.99	1.55			3.5	2704	402	2.8		
60	113	23.36	1.62			4.0	2361	351	3.2		
69	98	20.19	1.78	K 37	4	4.5	2065	307	3.6		
81	83	17.15	2.0	KF 37	4	1.9	4998	743	0.81		
91	74	15.31	2.2	KA 37	4	2.1	4379	651	0.92		
106	63	13.08	2.4	KAF37	4	2.4	3854	573	1.05	K 97R57	4
114	59	12.14	2.6			2.8	3390	504	1.19	KF 97R57	4
133	51	10.49	3.0			3.2	2939	437	1.38	KA 97R57	4
156	43	8.91	3.5			3.6	2569	382	1.57	KAF97R57	4
175	39	7.96	3.8			4.1	2300	342	1.76		
204	33	6.80	4.3			2.9	3188	474	0.80		
218	31	6.37	4.4			3.3	2865	426	0.89		
259	26	5.36	5.1			3.7	2509	373	1.01	K 87R57	4
1.1kW						1.1kW					
0.15	62528	9363	0.75			4.2	2220	330	1.14	KF 87R57	4
0.17	54267	8126	0.87			4.7	1971	293	1.29	KA 87R57	4
0.19	48971	7333	0.96	K 187R97	4	5.6	1682	250	1.51	KAF87R57	4
0.21	44998	6738	1.04	KA 187R97	4	5.9	1587	236	1.60		
0.23	39962	5984	1.18			6.9	1352	201	1.88		
0.26	35728	5350	1.32			3.9	2548	175.47	1.6	K 97	8
0.29	32122	4810	1.46			4.4	2212	152.31	1.8	KF 97	8
0.32	29144	4364	1.61			4.8	2037	140.28	2.0	KA 97	8
0.26	35835	5366	0.84			5.5	1810	124.61	2.2	KAF97	8
0.29	32042	4798	0.94			5.2	1904	175.47	2.1	K 97	6
0.34	27107	4059	1.11			5.9	1653	152.31	2.4	KF 97	6
0.42	22432	3359	1.34	K 167R97	4	6.5	1522	140.28	2.7	KA 97	6
0.51	18305	2741	1.64	KA 167R97	4	7.3	1352	124.61	3.0	KAF97	6
0.64	14518	2174	2.1			8.0	1238	175.47	3.3	K 97	4
0.82	11340	1698	2.7			9.1	1074	152.31	3.7	KF 97	4
1.00	9363	1402	3.2			10	989	140.28	4.1	KA 97	4
1.08	8622	1291	3.5							KAF97	4
0.40	23480	3516	0.72			5.2	1899	174.99	1.34	K 87	6
0.46	20375	3051	0.83			5.5	1780	164.05	1.42	KF 87	6
0.54	17430	2610	0.97			6.2	1596	147.09	1.59	KA 87	6
0.60	15507	2322	1.09	K 157R97	4	7.2	1375	126.68	1.84	KAF87	6
0.83	11219	1680	1.51	KF 157R97	4	8.0	1234	174.99	2.1	K 87	4
1.0	9116	1365	1.86	KA 157R97	4	8.5	1157	164.05	2.2	KF 87	4
1.1	8207	1229	2.1	KAF157R97	4	9.5	1037	147.09	2.4	KA 87	4
1.3	7299	1093	2.3			11	894	126.68	2.8	KA 87	4
1.5	6291	942	2.7			12	812	115.16	3.1	KAF87	4
1.6	5703	854	3.0			6.7	1468	135.28	0.99	K 77	6
0.72	12955	1926	0.9			7.1	1395	128.52	1.04	KF 77	6
0.79	11818	1757	1.0	K 127R77	4	8.0	1232	113.56	1.18	KA 77	6
0.90	10365	1541	1.2	KF 127R77	4	9.4	1053	97.05	1.38	KAF77	6
1.0	9027	1342	1.4	KA 127R77	4						
1.2	7917	1177	1.5	KAF127R77	4						
1.4	6894	1025	1.8								

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选型参数表

SELECTION TABLE

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	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						1.5kW					
10	954	135.28	1.53			0.21	61360	6738	0.77		
11	906	128.52	1.61	K 77	4	0.23	54494	5984	0.86		
12	801	113.56	1.82	KF 77	4	0.26	48720	5350	0.96		
14	685	97.05	2.1	KA 77	4	0.29	43803	4810	1.07	K 187R97	4
16	628	88.97	2.3	KAF77	4	0.32	39741	4364	1.18	KA 187R97	4
18	551	78.07	2.6			0.39	32866	3609	1.43		
19	522	73.99	2.8			0.46	27884	3062	1.69		
13	762	108.03	1.01			0.56	22940	2519	2.0		
14	724	102.62	1.06			0.62	20654	2268	2.3		
16	635	90.04	1.21			0.34	36964	4059	0.81		
18	539	76.37	1.43	K 67	4	0.42	30589	3359	0.98		
20	486	68.95	1.58	KF 67	4	0.51	24961	2741	1.21		
23	428	60.66	1.80	KA 67	4	0.64	19798	2174	1.52	K 167R97	4
24	404	57.28	1.91	KAF67	4	0.82	15463	1698	1.95	KA 167R97	4
29	344	48.77	2.2			1.0	12767	1402	2.4		
32	313	44.32	2.5			1.1	11757	1291	2.6		
36	271	38.39	2.8			0.6	21118	2319	0.8		
16	637	90.26	0.89			0.8	15299	1680	1.1		
18	540	76.56	1.04			1.0	12431	1365	1.4	K 157R97	4
20	488	69.12	1.16			1.1	11192	1229	1.5	KF 157R97	4
23	429	60.81	1.31			1.3	9954	1093	1.7	KA 157R97	4
24	405	57.42	1.39			1.5	8578	942	2.0	KAF157R97	4
29	345	48.89	1.64			1.6	7777	854	2.2		
32	313	44.43	1.80			2.5	5145	565	3.3		
36	271	38.49	2.1			2.8	4581	503	3.7		
39	252	35.70	2.2			2.6	4881	536	2.5	K 127R87	4
46	214	30.28	2.6			3.3	3807	418	3.2	KF 127R87	4
51	193	27.34	2.9	K 57	4	3.8	3342	367	3.7	KA 127R87	4
58	170	24.05	3.3	KF 57	4					KAF127R87	4
62	160	22.71	3.5	KA 57	4						
72	136	19.34	4.0	KAF57	4						
80	124	17.57	4.2			0.80	16000	1757	0.76		
92	107	15.22	4.6			0.91	14033	1541	0.87		
106	93	13.25	4.7			1.0	12221	1342	1.00		
117	84	11.92	4.9			1.2	10718	1177	1.14		
124	79	11.26	5.1			1.4	9334	1025	1.31	K 127R77	4
146	68	9.59	5.6			1.6	8187	899	1.49	KF 127R77	4
161	61	8.71	6.0			1.8	7194	790	1.70	KA 127R77	4
185	53	7.55	6.4			2.0	6284	690	1.94	KAF127R77	4
213	46	6.57	7.0			2.3	5455	599	2.2		
25	401	56.83	0.94			2.6	4908	539	2.5		
29	345	48.95	1.09			3.0	4262	468	2.9		
30	325	46.03	1.16			3.4	3734	410	3.3		
35	279	39.61	1.35	K 47	4	1.4	9243	1015	0.8		
40	250	35.39	1.51	KF 47	4	1.6	7932	871	0.9		
45	220	31.19	1.71	KA 47	4	1.8	7121	782	1.1		
48	207	29.32	1.82	KAF47	4	2.0	6247	686	1.2	K 107R77	4
54	183	25.91	2.1			2.3	5519	606	1.4	KF 107R77	4
64	154	21.81	2.4			2.7	4690	515	1.6	KA 107R77	4
72	138	19.58	2.7			3.1	4144	455	1.8	KAF107R77	4
47	211	29.96	0.89			3.5	3661	402	2.1		
56	176	24.99	1.07			4.0	3196	351	2.4		
60	165	23.36	1.11			4.6	2796	307	2.7		
69	142	20.19	1.22			2.4	5218	573	0.8		
82	121	17.15	1.40			2.8	4590	504	0.9		
91	108	15.31	1.52	K 37	4	3.2	3980	437	1.0		
107	92	13.08	1.68	KF 37	4	3.7	3479	382	1.2	K 97R57	4
115	86	12.14	1.76	KA 37	4	4.1	3114	342	1.3	KF 97R57	4
133	74	10.49	2.0	KAF37	4	4.6	2778	305	1.5	KA 97R57	4
157	63	8.91	2.4			5.4	2350	258	1.7	KAF97R57	4
176	56	7.96	2.6			6.0	2113	232	1.9		
206	48	6.80	2.9			7.0	1812	199	2.2		
220	45	6.37	3.0								
261	38	5.36	3.5								

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选型参数表

SELECTION TABLE

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	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						1.5kW					
4.2	3005	330	0.84	K 87R57	4	23	585	60.81	0.96		
4.8	2668	293	0.95	KF 87R57	4	24	552	57.42	1.02		
5.6	2277	250	1.11	KA 87R57	4	29	470	48.89	1.20		
5.9	2149	236	1.18	KAF87R57	4	32	427	44.43	1.32	K 57	4
7.0	1830	201	1.39			36	370	38.49	1.52	KF 57	4
7.7	1667	183	1.52			39	343	35.70	1.64	KA 57	4
						46	291	30.28	1.94	KAF57	4
4.9	2770	141.93	2.7	K 107	8	51	263	27.34	2.1		
5.8	2334	119.58	3.2	KF 107	8	58	231	24.05	2.4		
6.2	2163	110.83	3.5	KA 107	8	62	218	22.71	2.6		
				KAF107	8	72	186	19.34	2.9		
4.5	2972	152.31	1.36	K 97	8	35	381	39.61	0.99		
4.9	2738	140.28	1.48	KF 97	8	40	340	35.39	1.10		
5.5	2432	124.61	1.66	KA 97	8	45	300	31.19	1.25		
				KAF97	8	48	282	29.32	1.33	K 47	4
5.2	2569	175.47	1.57	K 97	6	54	249	25.91	1.51	KF 47	4
6.0	2229	152.31	1.81	KF 97	6	64	210	21.81	1.79	KA 47	4
6.6	2053	140.28	1.97	KA 97	6	72	188	19.58	2.0	KAF47	4
7.4	1824	124.61	2.2	KAF97	6	83	162	16.86	2.2		
8.0	1688	175.47	2.4	K 97	4	88	153	15.86	2.3		
9.2	1465	152.31	2.7	KF 97	4	103	131	13.65	2.6		
10	1349	140.28	3.0	KA 97	4	115	117	12.19	2.8		
11	1199	124.61	3.4	KAF97	4	119	113	11.77	3.0		
6.3	2153	147.09	1.18	K 87	6	60	225	23.36	0.82		
7.2	1854	126.68	1.37	KF 87	6	69	194	20.19	0.90		
7.9	1686	115.16	1.50	KA 87	6	82	165	17.15	1.03		
9.0	1503	102.71	1.69	KAF87	6	91	147	15.31	1.12	K 37	4
8.0	1683	174.99	1.51			107	126	13.08	1.23	KF 37	4
8.5	1578	164.05	1.61			115	117	12.14	1.29	KA 37	4
9.5	1415	147.09	1.79	K 87	4	133	101	10.49	1.49	KAF37	4
11	1218	126.68	2.1	KF 87	4	157	86	8.91	1.75		
12	1108	115.16	2.3	KA 87	4	176	77	7.96	1.90		
14	988	102.71	2.6	KAF87	4	206	65	6.80	2.2		
16	830	86.34	3.1			220	61	6.37	2.2		
						261	52	5.36	2.6		
8.0	1680	113.56	0.87	K 77	6	2.2kW					
9.4	1436	97.05	1.01	KF 77	6	0.33	57466	4364	0.82		
10	1317	88.97	1.11	KA 77	6	0.39	47524	3609	0.99		
12	1155	78.07	1.26	KAF77	6	0.46	40321	3062	1.17		
10	1301	135.28	1.12			0.50	37108	2818	1.27		
11	1236	128.52	1.18			0.56	33171	2519	1.42	K 187R97	4
12	1092	113.56	1.33			0.63	29866	2268	1.57	KA 187R97	4
14	933	97.05	1.56			0.69	27048	2054	1.74		
16	856	88.97	1.70	K 77	4	0.78	23979	1821	1.96		
18	751	78.07	1.94	KF 77	4	0.88	21135	1605	2.2		
19	712	73.99	2.0	KA 77	4						
22	623	64.75	2.3	KAF77	4	0.52	36094	2741	0.83		
24	561	58.34	2.6			0.63	29655	2252	1.01		
27	492	51.18	3.0			0.65	28628	2174	1.05		
31	434	45.16	3.4			0.84	22360	1698	1.35	K 167R97	4
35	385	40.04	3.8			1.0	18462	1402	1.63	KA 167R97	4
						1.1	17000	1291	1.77		
16	866	90.04	0.89			1.3	14498	1101	2.1		
18	735	76.37	1.05			1.5	12431	944	2.4		
20	663	68.95	1.16								
23	583	60.66	1.32	K 67	4	0.85	22123	1680	0.76		
24	551	57.28	1.40	KF 67	4	1.0	17975	1365	0.94	K 157R97	4
29	469	48.77	1.64	KA 67	4	1.2	16184	1229	1.05	KF 157R97	4
32	426	44.32	1.81	KAF67	4	1.3	14393	1093	1.18	KA 157R97	4
36	369	38.39	2.1			1.5	12404	942	1.36	KAF157R97	4
39	343	35.62	2.2			1.7	11246	854	1.50		
46	291	30.22	2.7			1.9	9955	756	1.70		
51	262	27.28	2.9								
58	231	24.00	3.3								

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选型参数表

SELECTION TABLE

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	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						3.0kW					
0.46	54983	3062	0.85			10	2692	141.93	2.8	K 107	4
0.5	50602	2818	0.93			12	2268	119.58	3.3	KF 107	4
0.56	45233	2519	1.04							KA 107	4
0.63	40726	2268	1.15	K 187R97	4					KAF107	4
0.69	36883	2054	1.27	KA 187R97	4	7.7	3496	124.61	1.16	K 97	6
0.78	32699	1821	1.44			9.3	2911	103.78	1.39	KF 97	6
0.88	28820	1605	1.63			9.9	2716	96.80	1.49	KA 97	6
1.0	25050	1395	1.88			11	2427	86.52	1.67	KAF97	6
1.2	21476	1196	2.2			8.1	3328	175.47	1.21		
0.84	30490	1698	0.99			9.3	2889	152.31	1.40		
1.0	25175	1402	1.2			10	2660	140.28	1.52		
1.1	23182	1291	1.3	K 167R97	4	11	2363	124.61	1.71		
1.3	19770	1101	1.52	KF 167R97	4	14	1968	103.78	2.05	K 97	4
1.5	16951	944	1.77	KA 167R97	4	15	1836	96.80	2.20	KF 97	4
1.7	15137	843	1.99	KAF167R97	4	16	1646	86.52	2.46	KA 97	4
1.9	13593	757	2.2			18	1477	77.89	2.74	KAF97	4
1.2	22069	1229	0.77			20	1338	70.54	3.02		
1.3	19627	1093	0.86			23	1186	62.55	3.41		
1.5	16915	942	1.00	K 157R97	4	25	1072	56.55	3.77		
1.7	15335	854	1.10	KF 157R97	4	9.6	2790	147.09	0.91		
1.9	13575	756	1.25	KA 157R97	4	11	2403	126.68	1.06		
2.5	10146	565	1.67	KAF157R97	4	12	2184	115.16	1.16		
2.8	9032	503	1.87			14	1948	102.71	1.30		
2.6	9625	536	1.27			16	1637	86.34	1.55	K 87	4
3.0	8494	473	1.44	K 127R87	4	18	1505	79.34	1.69	KF 87	4
3.4	7506	418	1.63	KF 127R87	4	20	1336	70.46	1.90	KA 87	4
3.9	6590	367	1.85	KA 127R87	4	23	1195	63.00	2.1	KAF87	4
4.3	5926	330	2.1	KAF127R87	4	25	1074	56.64	2.4		
4.9	5207	290	2.3			29	932	49.16	2.7		
1.8	14186	790	0.86			32	835	44.02	2.9		
2.1	12390	690	0.99	K 127R77	4	39	693	36.52	3.4		
2.4	10756	599	1.14	KF 127R77	4	16	1687	88.97	0.86		
2.6	9679	539	1.26	KA 127R77	4	18	1481	78.07	0.98		
3.0	8404	468	1.45	KAF127R77	4	19	1403	73.99	1.04		
3.5	7362	410	1.66			22	1228	64.75	1.19	K 77	4
3.1	8170	455	0.92			24	1106	58.34	1.32	KF 77	4
3.5	7219	402	1.04			28	971	51.18	1.50	KA 77	4
4.0	6303	351	1.19			31	856	45.16	1.70	KAF77	4
4.6	5513	307	1.36			35	759	40.04	1.92		
5.1	4974	277	1.51	K 107R77	4	40	668	35.20	2.2		
5.8	4363	243	1.72	KF 107R77	4	46	586	30.89	2.5		
6.6	3861	215	1.95	KA 107R77	4	32	841	44.32	0.92		
7.5	3394	189	2.2	KAF107R77	4	37	728	38.39	1.06		
8.5	3017	168	2.5			40	676	35.62	1.14		
9.5	2676	149	2.8			47	573	30.22	1.34		
10	2496	139	3.0			52	517	27.28	1.49		
5.5	4893	258	0.83	K 97R57	4	59	455	24.00	1.65	K 67	4
6.1	4400	232	0.92	KF 97R57	4	63	430	22.66	1.71	KF 67	4
7.1	3774	199	1.07	KA 97R57	4	74	366	19.30	1.95	KA 67	4
5.0	5366	141.46	1.40			81	333	17.54	2.1	KAF67	4
5.9	4543	119.76	1.66			93	288	15.19	2.3		
6.4	4204	110.83	1.79	K 107	8	107	251	13.22	2.5		
7.1	3768	99.34	2.0	KF 107	8	116	232	12.24	2.1		
7.9	3402	89.68	2.2	KA 107	8	136	198	10.42	2.4		
6.8	3968	141.46	1.9			150	180	9.47	2.5		
8.0	3360	119.76	2.2			47	574	30.28	0.98		
8.7	3109	110.83	2.4	K 107	6	52	519	27.34	1.09	K 57	4
9.7	2787	99.34	2.7	KF 107	6	59	456	24.05	1.24	KF 57	4
				KA 107	6	63	431	22.71	1.31	KA 57	4
				KAF107	6	73	367	19.34	1.47	KAF57	4
						81	333	17.57	1.57		

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选型参数表

SELECTION TABLE

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	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						4.0kW					
93	289	15.22	1.74			4.0	8404	351	0.89		
107	251	13.25	1.9			4.6	7350	307	1.02		
119	226	11.92	1.7	K 57	4	5.1	6632	277	1.13	K 107R77	4
126	214	11.26	1.8	KF 57	4	5.8	5818	243	1.29	KF 107R77	4
148	182	9.59	2.1	KA 57	4	6.6	5148	215	1.46	KA 107R77	4
163	165	8.71	2.2	KAF57	4	7.5	4525	189	1.66	KAF107R77	4
188	143	7.55	2.4			8.5	4022	168	1.68		
216	125	6.57	2.6			9.5	3567	149	1.9		
						11	3232	135	2.1		
73	371	19.58	1.01			7.1	5032	199	0.80	K 97R57	4
84	320	16.86	1.12							KF 97R57	4
90	301	15.86	1.19							KA 97R57	4
104	259	13.65	1.31							KAF97R57	4
116	231	12.19	1.42	K 47	4	5.3	6825	134.94	1.8	K 127	8
121	223	11.77	1.18	KF 47	4	5.8	6202	122.60	2.0	KF 127	8
134	200	10.56	1.31	KA 47	4	6.4	5570	110.13	2.2	KA 127	8
156	173	9.1	1.53	KAF47	4					KAF127	8
166	162	8.56	1.56			6.6	5464	146.07	2.2	K 127	6
193	140	7.36	1.68			7.1	5047	134.94	2.4	KF 127	6
216	125	6.58	1.81			7.8	4587	122.60	2.7	KA 127	6
244	110	5.81	1.96			8.7	4119	110.13	3.0	KAF127	6
159	169	8.91	0.89	K 37	4	6.4	5605	110.83	1.34	K 107	8
178	151	7.96	0.97	KF 37	4	7.1	5024	99.34	1.50	KF 107	8
209	129	6.8	1.09	KA 37	4	7.9	4536	89.68	1.66	KA 107	8
223	121	6.37	1.13	KAF37	4	8.7	4120	81.46	1.83	KAF107	8
265	102	5.36	1.29			6.8	5309	141.93	1.42	K 107	6
4.0kW						8.0	4473	119.58	1.68	KF 107	6
1.7	19697	825	2.4	K 187R107	4	8.7	4146	110.83	1.81	KA 107	6
2.8	12272	514	3.8	KA 187R107	4	9.7	3716	99.34	2.0	KAF107	6
0.57	59473	2510	0.79			11	3354	89.68	2.2		
0.63	53547	2268	0.88			10	3527	141.46	2.1		
0.70	48494	2054	0.97			12	2986	119.76	2.5		
0.79	42993	1821	1.09	K 187R97	4	13	2764	110.83	2.7	K 107	4
0.90	37894	1605	1.24	KA 187R97	4	14	2477	99.34	3.0	KF 107	4
1.0	32936	1395	1.43			16	2236	89.68	3.4	KA 107	4
1.2	28237	1196	1.66			18	2031	81.46	3.7	KAF107	4
1.4	24696	1046	1.90			20	1802	72.27	4.2		
1.5	22240	942	2.1			10	3498	140.28	1.16		
1.0	33101	1402	0.91			12	3107	124.61	1.30	K 97	4
1.1	30480	1291	0.99			14	2588	103.78	1.56	KF 97	4
1.3	25994	1101	1.16	K 167R97	4	15	2414	96.80	1.67	KA 97	4
1.5	22288	944	1.35	KA 167R97	4	17	2157	86.52	1.87	KAF97	4
1.7	19903	843	1.51			18	1942	77.89	2.1		
1.9	17873	757	1.68			20	1759	70.54	2.3		
2.3	14874	630	2.0			13	2872	115.16	0.88		
1.7	20163	854	0.84	K 157R97	4	14	2561	102.71	0.99		
1.9	17849	756	0.95	KF 157R97	4	17	2153	86.34	1.18		
2.5	13339	565	1.27	KA 157R97	4	18	1978	79.34	1.28	K 87	4
2.9	11876	503	1.42	KAF157R97	4	20	1757	70.46	1.44	KF 87	4
3.3	10223	433	1.66			23	1571	63.00	1.62	KA 87	4
2.7	12655	536	0.97			25	1412	56.64	1.80	KAF87	4
3.0	11167	473	1.09	K 127R87	4	29	1226	49.16	2.1		
3.4	9869	418	1.24	KF 127R87	4	33	1098	44.02	2.3		
3.9	8665	367	1.41	KA 127R87	4	39	911	36.52	2.8		
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						

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选型参数表

SELECTION TABLE

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	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						5.5kW					
22	1615	64.75	0.90			3.4	13570	418	0.90		
25	1455	58.34	1.00			3.9	11914	367	1.03		
28	1276	51.18	1.14			4.4	10713	330	1.14	K 127R87	4
32	1126	45.16	1.29	K 77	4	5.0	9414	290	1.30	KF 127R87	4
36	998	40.04	1.46	KF 77	4	5.7	8213	253	1.49	KA 127R87	4
38	957	38.39	1.52	KA 77	4	6.7	6980	215	1.75	KAF127R87	4
41	878	35.20	1.66	KAF77	4	7.1	6590	203	1.71		
47	770	30.89	1.89			8.6	5454	168	2.1		
49	730	29.27	2.0			9.7	4805	148	2.3		
56	639	25.62	2.3			6.7	6980	215	1.08	K 107R77	4
62	576	23.08	2.5			7.6	6136	189	1.23	KF 107R77	4
71	505	20.25	2.9			8.6	5454	168	1.38	KA 107R77	4
48	754	30.22	1.02			9.7	4837	149	1.55	KAF107R77	4
53	680	27.28	1.13			11	4383	135	1.72		
60	598	24.00	1.26			4.8	10288	150.03	1.64	K 157	8
64	565	22.66	1.30			5.9	8423	122.83	2.0	KF 157	8
75	481	19.30	1.48	K 67	4	7.2	6833	99.65	2.5	KA 157	8
82	437	17.54	1.59	KF 67	4	7.8	6338	92.42	2.7	KAF157	8
95	379	15.19	1.74	KA 67	4	5.3	9253	134.94	1.3	K 127	8
109	330	13.22	1.91	KAF67	4	5.9	8399	122.60	1.5	KF 127	8
118	305	12.24	1.63			6.5	7556	110.13	1.6	KA 127	8
138	260	10.42	1.81			8.1	6143	89.43	2.0	KAF127	8
152	236	9.47	1.91			7.1	6940	134.94	1.76	K 127	6
176	204	8.20	2.02			7.8	6299	122.60	1.94	KF 127	6
202	178	7.14	2.2			8.7	5667	110.13	2.2	KA 127	6
60	600	24.05	0.94			11	4599	89.43	2.7	KAF127	6
63	566	22.71	1.00			8.7	5700	110.83	1.32	K 107	6
74	482	19.34	1.12			9.7	5109	99.34	1.47	KF 107	6
82	438	17.57	1.19			11	4612	89.68	1.63	KA 107	6
95	380	15.22	1.33	K 57	4	12	4190	81.46	1.79	KAF107	6
109	330	13.25	1.45	KF 57	4	10	4866	141.93	1.55		
121	297	11.92	1.31	KA 57	4	12	4100	119.58	1.83	K 107	4
128	281	11.26	1.39	KAF57	4	13	3800	110.83	1.98	KF 107	4
150	239	9.59	1.59			14	3406	99.34	2.2	KA 107	4
165	217	8.71	1.69			16	3075	89.68	2.4	KAF107	4
191	188	7.55	1.82			18	2793	81.46	2.7		
219	164	6.57	1.98			12	4273	124.61	0.95		
5.5kW						14	3558	103.78	1.1		
0.79	59116	1821	0.80			15	3319	96.80	1.2	K 97	4
0.90	52104	1605	0.90			17	2967	86.52	1.35	KF 97	4
1.0	45286	1395	1.04	K 187R97	4	18	2671	77.89	1.5	KA 97	4
1.2	38826	1196	1.21	KA 187R97	4	20	2419	70.54	1.65	KAF97	4
1.4	33957	1046	1.38			23	2145	62.55	1.85		
1.5	30580	942	1.54			25	1939	56.55	2.1		
2.0	23926	737	2.0			30	1643	47.93	2.4		
2.3	20095	619	2.3			17	2960	86.34	0.85		
1.31	35742	1101	0.84			18	2720	79.34	0.95		
1.5	30645	944	0.98			20	2416	70.46	1.05		
1.7	27367	843	1.10			23	2160	63.00	1.15	K 87	4
1.9	24575	757	1.22			25	1942	56.64	1.3	KF 87	4
2.3	20452	630	1.47	K 167R97	4	29	1686	49.16	1.5	KA 87	4
2.6	18212	561	1.65	KA 167R97	4	33	1509	44.02	1.6	KAF87	4
3.0	15550	479	1.93			39	1252	36.52	1.85		
3.4	13700	422	2.2			46	1076	31.39	2.3		
2.2	21458	661	0.79			52	956	27.88	2.5		
2.5	18342	565	0.92	K 157R97	4	32	1548	45.16	0.94	K 77	4
2.9	16329	503	1.04	KF 157R97	4	36	1373	40.04	1.06	KF 77	4
3.3	14057	433	1.20	KA 157R97	4	47	1059	30.89	1.38	KA 77	4
3.8	12271	378	1.38	KAF157R97	4	49	1004	29.27	1.45	KAF77	4
4.3	10778	332	1.57			56	878	25.62	1.66		

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选型参数表

SELECTION TABLE

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	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						11kW					
1.8	52831	825	0.89			20	4888	72.27	1.54		
2.0	46107	720	1.02	K 187R107	4	22	4435	65.58	1.70	K 107	4
2.4	39319	614	1.20	KA 187R107	4	26	3813	56.37	1.97	KF 107	4
2.8	32915	514	1.43			30	3328	49.2	2.2	KA 107	4
3.3	28753	449	1.63			35	2823	41.74	2.5	KAF107	4
4.0	23374	365	2.0			40	2467	36.48	2.7		
2.0	47196	737	1.00	K 187R97	4	21	4771	70.54	0.85		
2.4	39639	619	1.19	KA 187R97	4	23	4231	62.55	0.96		
2.8	33556	524	1.40			26	3825	56.55	1.06		
4.7	20044	313	1.50			30	3242	47.93	1.25	K 97	4
5.3	17482	273	1.72	K 167R107	4	35	2832	41.87	1.43	KF 97	4
5.8	16009	250	1.88	KA 167R107	4	38	2590	38.3	1.56	KA 97	4
6.7	13960	218	2.2			43	2315	34.23	1.75	KAF97	4
7.2	13000	203	2.3			47	2085	30.82	1.94		
2.6	35925	561	0.84			52	1888	27.91	2.1		
3.0	30674	479	0.98	K 167R97	4	59	1674	24.75	2.4		
3.5	27024	422	1.11	KA 167R97	4	65	1513	22.37	2.7		
4.0	23502	367	1.28			33	2977	44.02	0.82		
4.4	21260	332	0.80	K 157R97	4	40	2470	36.52	0.95		
5.0	18571	290	0.91	KF 157R97	4	47	2123	31.39	1.20		
				KA 157R97	4	52	1886	27.88	1.30		
				KAF157R97	4	59	1685	24.92	1.39		
6.8	13768	215	0.89	K 127R87	4	65	1516	22.41	1.43	K 87	4
7.2	13000	203	0.94	KF 127R87	4	75	1315	19.45	1.64	KF 87	4
8.7	10758	168	1.14	KA 127R87	4	84	1178	17.42	1.76	KA 87	4
9.9	9478	148	1.29	KAF127R87	4	92	1079	15.95	1.57	KAF87	4
5.4	18313	135.38	1.64	K 167	8	101	977	14.45	1.9		
6.6	14932	110.38	2.0	KA 167	8	116	849	12.56	2.0		
5.9	16740	164.44	1.80	K 167	6	131	753	11.13	2.1		
7.2	13782	135.38	2.2	KA 167	6	147	674	9.96	2.2		
8.9	11122	164.44	2.7	K 167	4	177	559	8.27	2.4		
11	9158	135.38	3.3	KA 167	4	203	486	7.19	2.5		
5.9	16615	122.83	1.02	K 157	8	63	1561	23.08	0.93		
7.3	13480	99.65	1.26	KF 157	8	72	1370	20.25	1.03		
7.9	12502	92.42	1.35	KA 157	8	82	1209	17.87	1.13		
9.1	10788	79.75	1.57	KAF157	8	92	1071	15.84	1.23	K 77	4
6.5	15273	150.03	1.11	K 157	6	108	914	13.52	1.38	KF 77	4
7.9	12504	122.83	1.35	KF 157	6	118	836	12.36	1.12	KA 77	4
9.7	10144	99.65	1.67	KA 157	6	135	731	10.81	1.27	KAF77	4
10	9408	92.42	1.80	KAF157	6	153	645	9.54	1.37		
12	8119	79.75	2.1			173	572	8.46	1.46		
9.7	10147	150.03	1.67	K 157	4	202	488	7.22	1.57		
12	8308	122.83	2.0	KF 157	4	15kW					
15	6740	99.65	2.5	KA 157	4	2.4	53617	614	0.88		
16	6251	92.42	2.7	KAF157	4	2.8	44884	514	1.05	K 187R107	4
11	9127	134.94	1.34			3.3	39208	449	1.20	KA 187R107	4
12	8295	122.60	1.47	K 127	4	4.0	31873	365	1.47		
13	7449	110.13	1.64	KF 127	4	5.4	23403	268	2.0		
16	6049	89.43	2.0	KA 127	4	4.7	27332	313	1.10		
18	5581	82.52	2.2	KAF127	4	5.3	23839	273	1.26		
21	4799	70.95	2.5			5.8	21831	250	1.38		
13	7496	110.83	1.00	K 107	4	6.7	19037	218	1.58	K 167R107	4
15	6719	99.34	1.12	KF 107	4	7.2	17727	203	1.70	KA 167R107	4
16	6066	89.68	1.24	KA 107	4	7.9	16155	185	1.86		
18	5510	81.46	1.36	KAF107	4	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		

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选型参数表

SELECTION TABLE

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	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						18.5kW					
5.4	25096	180.78	1.87	K 187	6	2.9	54981	514	0.85		
6.0	22285	160.53	2.1	KA 187	6	3.3	48028	449	0.98	K 187R107	4
7.2	18793	135.38	1.60	K 167	6	4.0	39043	365	1.20	KA 187R107	4
8.8	15324	110.39	1.96	KA 167	6	5.5	28667	268	1.64		
8.9	15166	164.44	1.12	K 167	4	6.5	24281	227	1.9		
11	12486	135.38	1.36	KA 167	4	4.7	33481	313	0.90		
7.9	16990	122.39	1.00	K 157	6	5.4	29202	273	1.03		
9.7	13833	99.65	1.22	KF 157	6	5.9	26742	250	1.12		
10	12830	92.42	1.32	KA 157	6	6.7	23319	218	1.29	K 167R107	4
12	11071	79.75	1.53	KAF157	6	7.2	21714	203	1.39	KA 167R107	4
14	9770	70.35	1.73			7.9	19789	185	1.52		
9.7	13837	150.03	1.22	K 157	4	9.0	17436	163	1.73		
12	11329	122.83	1.49	KF 157	4	11	14868	139	2.0		
15	9191	99.65	1.84	KA 157	4	12	12943	121	2.3		
16	8524	92.42	2.0	KAF157	4	8.0	19682	184	0.86	K 157R107	4
18	7355	79.75	2.3			9.5	16580	155	1.02	KF 157R107	4
11	12445	134.94	0.97			12	13478	126	1.26	KA 157R107	4
12	11307	122.60	1.08			13	11766	110	1.44	KAF157R107	4
13	10157	110.13	1.20	K 127	4	5.4	30951	180.78	1.52		
16	8248	89.43	1.48	KF 127	4	6.0	27484	160.53	1.71	K 187	6
18	7611	82.52	1.61	KA 127	4	6.7	24745	144.53	1.9	KA 187	6
21	6544	70.95	1.87	KAF127	4	7.4	22317	130.35	2.1		
23	5774	62.60	2.1			8.1	20424	180.78	2.3		
27	4987	54.07	2.5			9.2	18136	160.53	2.6	K 187	4
31	4410	47.82	2.8			10	16328	144.53	2.9	KA 187	4
16	8271	89.68	0.91			11	14726	130.35	3.2		
18	7513	81.46	1.00			11	15195	134.5	1.98	K 167	4
20	6665	72.27	1.13			13	12471	110.39	2.4	KA 167	4
22	6048	65.58	1.24			17	9851	87.20	3.1		
26	5199	56.37	1.45	K 107	4	10	17061	99.65	0.99	K 157	6
30	4538	49.2	1.62	KF 107	4	11	15823	92.42	1.08	KF 157	6
35	3850	41.74	1.80	KA 107	4	12	13654	79.75	1.24	KA 157	6
40	3365	36.48	2.0	KAF107	4	14	12050	70.38	1.4	KAF157	6
45	2972	32.22	2.2			12	13827	122.39	1.22		
47	2844	30.84	2.3			15	11258	99.65	1.50		
51	2637	28.59	2.6			16	10441	92.42	1.62	K 157	4
30	4421	47.93	0.91			18	9010	79.75	1.88	KF 157	4
35	3862	41.87	1.05			21	7951	70.38	2.1	KA 157	4
38	3532	38.3	1.14			24	6894	61.02	2.5	KAF157	4
43	3157	34.23	1.28	K 97	4	27	6133	54.29	2.8		
47	2843	30.82	1.42	KF 97	4	31	5286	46.79	3.2		
52	2574	27.91	1.57	KA 97	4	39	4295	38.02	3.9		
59	2283	24.75	1.77	KAF97	4	13	12442	110.13	0.98		
65	2063	22.37	1.96			16	10103	89.43	1.21		
77	1749	18.96	2.3			18	9323	82.52	1.31		
88	1527	16.56	2.6			21	8016	70.95	1.52	K 127	4
47	2895	31.39	0.88			23	7072	62.60	1.73	KF 127	4
52	2571	27.88	0.99			27	6109	54.07	2.0	KA 127	4
59	2298	24.92	1.10			31	5403	47.82	2.3	KAF127	4
65	2067	22.41	1.23			37	4540	40.19	2.7		
75	1794	19.45	1.37	K 87	4	41	4121	36.48	3.0		
84	1607	17.42	1.41	KF 87	4	47	3544	31.36	3.4		
92	1471	15.95	1.48	KA 87	4	53	3127	27.67	3.9		
101	1333	14.45	1.5	KAF87	4	20	8165	72.27	0.92		
116	1158	12.56	1.53			22	7409	65.58	1.01	K 107	4
131	1027	11.13	1.58			26	6368	56.37	1.18	KF 107	4
147	919	9.96	1.73			30	5558	49.2	1.35	KA 107	4
177	763	8.27	1.84			35	4716	41.74	1.47	KAF107	4
203	663	7.19	2.2			40	4121	36.48	1.64		

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选型参数表

SELECTION TABLE

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	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						22kW					
46	3640	32.22	1.86			9.7	20289	99.65	0.83	K 157	6
48	3484	30.84	1.88	K 107	4	11	18817	92.42	0.90	KF 157	6
51	3230	28.59	2.1	KF 107	4	12	16237	79.75	1.04	KA 157	6
57	2931	25.94	2.3	KA 107	4	14	14330	70.38	1.18	KAF157	6
66	2519	22.30	2.7	KAF107	4	16	12424	61.02	1.36		
76	2199	19.46	3.1			12	16502	122.83	1.03		
89	1865	16.51	3.6			15	13388	99.65	1.26		
35	4730	41.87	0.85			16	12417	92.42	1.36		
48	3482	30.82	1.16			18	10714	79.75	1.58	K 157	4
53	3153	27.91	1.28	K 97	4	21	9456	70.38	1.79	KF 157	4
59	2796	24.75	1.45	KF 97	4	24	8198	61.02	2.1	KA 157	4
66	2527	22.37	1.60	KA 97	4	27	7294	54.29	2.3	KAF157	4
78	2142	18.96	1.9	KAF97	4	31	6286	46.79	2.7		
89	1871	16.56	2.2			39	5108	38.02	3.3		
106	1565	13.85	2.6			16	12015	89.43	1.02		
123	1355	11.99	2.7			18	11087	82.52	1.10		
59	2815	24.92	0.83			21	9532	70.95	1.28		
66	2532	22.41	0.85			23	8410	62.60	1.45		
76	2197	19.45	0.98			27	7264	54.07	1.68	K 127	4
84	1968	17.42	1.05	K 87	4	31	6425	47.82	1.90	KF 127	4
102	1633	14.45	1.12	KF 87	4	37	5400	40.19	2.3	KA 127	4
117	1419	12.56	1.21	KA 87	4	40	4901	36.48	2.5	KAF127	4
132	1257	11.13	1.25	KAF87	4	47	4215	31.36	2.9		
148	1125	9.96	1.32			53	3719	27.67	3.3		
178	934	8.27	1.41			61	3212	23.90	3.8		
204	812	7.19	1.50			70	2841	21.14	4.3		
22kW						26	7573	56.37	0.99		
3.3	57114	449	0.82			30	6610	49.20	1.11		
4.0	46429	365	1.01			35	5608	41.74	1.23		
5.5	34091	268	1.38	K 187R107	4	40	4901	36.48	1.38		
6.5	28875	227	1.63	KA 187R107	4	46	4329	32.22	1.56		
7.4	25313	199	1.86			48	4143	30.84	1.54		
8.8	21370	168	2.2			51	3841	28.59	1.76	K 107	4
5.4	34727	273	0.87			57	3485	25.94	1.94	KF 107	4
5.9	31801	250	0.95			66	2996	22.30	2.2	KA 107	4
6.7	27730	218	1.08			76	2614	19.46	2.3	KAF107	4
7.2	25822	203	1.16	K 167R107	4	89	2218	16.51	2.6		
7.9	23533	185	1.28	KA 167R107	4	102	1939	14.43	2.6		
9.0	20734	163	1.45			109	1815	13.51	2.9		
11	17681	139	1.70			125	1584	11.79	3.0		
12	15392	121	2.0			147	1343	10	3.3		
9.5	19717	155	0.86	K 157R107	4	48	4141	30.82	0.98		
12	16028	126	1.06	KF 157R107	4	53	3750	27.91	1.08		
13	13992	110	1.21	KA 157R107	4	59	3325	24.75	1.22		
5.4	36807	180.78	1.28			66	3005	22.37	1.34	K 97	4
6.0	32684	160.53	1.44			78	2547	18.96	1.59	KF 97	4
6.7	29427	144.53	1.60	K 187	6	89	2225	16.56	1.82	KA 97	4
7.4	26540	130.35	1.77	KA 187	6	106	1861	13.85	1.87	KAF97	4
8.6	23044	113.18	2.0			123	1611	11.99	2.1		
8.1	24288	180.78	1.94			137	1439	10.71	2.2		
9.2	21567	160.53	2.2	K 187	4	164	1202	8.95	2.3		
10	19418	144.53	2.4	KA 187	4	76	2613	19.45	0.83		
11	17512	130.35	2.7			84	2340	17.42	0.88		
11	18070	134.5	1.66			102	1941	14.45	0.94	K 87	4
13	14831	110.39	2.0			117	1687	12.56	1.02	KF 87	4
17	11715	87.20	2.6	K 167	4	132	1495	11.13	1.05	KA 87	4
19	10460	77.86	2.9	KA 167	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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选型参数表

SELECTION TABLE

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	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		
30kW						37kW							
5.5	49099	268	0.96			5.5	56947	268	0.83				
6.5	41587	227	1.13	K	187R107	4	6.5	48235	227	0.97	K	187R107	4
7.4	36458	199	1.29	KA	187R107	4	7.4	42285	199	1.11	KA	187R107	4
8.8	30778	168	1.5			8.8	35698	168	1.32				
6.7	39938	218	0.75			8.0	39310	185	0.77				
7.2	37190	203	0.81			9.1	34635	163	0.87	K	167R107	4	
7.9	33893	185	0.89	K	167R107	4	11	29536	139	1.02	KA	167R107	4
9.0	29862	163	1.01	KA	167R107	4	12	25711	121	1.17			
11	25465	139	1.18			8.2	40572	180.78	1.16				
12	22168	121	1.36			8.9	37268	166.06	1.26				
8.1	33120	180.78	1.42			10	32436	144.53	1.45	K	187	4	
8.9	30423	166.06	1.54			11	29395	130.98	1.60	KA	187	4	
10	26478	144.53	1.78	K	187	4	13	25400	113.18	1.85			
11	23996	130.98	1.96	KA	187	4	14	23046	102.69	2.0			
13	20735	113.18	2.3			17	19853	88.46	2.4				
14	18813	102.69	2.5			14	24559	109.43	1.22				
17	16206	88.46	2.9			17	19646	87.54	1.53				
13	20048	109.43	1.50			19	17828	78.44	1.69	K	167	4	
17	15975	87.20	1.88	K	167	4	22	15301	68.18	2.0	KA	167	4
19	14554	79.44	2.1	KA	167	4	24	13582	60.52	2.2			
22	12427	67.83	2.4			35	9592	42.74	3.1				
24	11088	60.52	2.7			16	20741	92.42	0.82				
15	18256	99.65	0.93			19	17898	79.75	0.95				
16	16932	92.42	1.00			21	15795	70.38	1.07	K	157	4	
18	14611	79.75	1.16			24	13694	61.02	1.24	KF	157	4	
21	12894	70.38	1.31	K	157	4	27	12184	54.29	1.39	KA	157	4
24	11179	61.02	1.51	KF	157	4	32	10501	46.79	1.61	KAF157	4	
27	9946	54.29	1.70	KA	157	4	39	8533	38.02	1.98			
31	8572	46.79	1.97	KAF157	4	47	7025	31.30	2.4				
39	6965	38.02	2.4			24	14049	62.60	0.87				
47	5734	31.30	3.0			27	12135	54.07	1.01				
21	12998	70.95	0.94			31	10732	47.82	1.14				
23	11469	62.60	1.07			37	9020	40.19	1.35				
27	9906	54.07	1.23	K	127	4	41	8187	36.48	1.49			
31	8761	47.82	1.39	KF	127	4	47	7040	31.36	1.74	K	127	4
37	7363	40.19	1.66	KA	127	4	53	6212	27.67	1.97	KF	127	4
40	6683	36.48	1.83	KAF127	4	62	5366	23.90	2.3	KA	127	4	
47	5747	31.36	2.1			70	4747	21.14	2.6	KAF127	4		
53	5071	27.67	2.4			83	3988	17.77	2.8				
61	4380	23.90	2.8			103	3220	14.35	3.1				
35	7647	41.74	0.90			116	2870	12.78	3.1				
40	6683	36.48	1.01			138	2410	10.74	3.5				
46	5903	32.22	1.08			171	1948	8.68	3.5				
51	5238	28.59	1.29			41	8187	36.48	0.83				
57	4752	25.94	1.42	K	107	4	48	6921	30.84	0.92			
66	4085	22.30	1.63	KF	107	4	52	6416	28.59	1.05			
76	3565	19.46	1.66	KA	107	4	57	5822	25.94	1.16			
89	3025	16.51	1.87	KAF107	4	66	5005	22.3	1.33	K	107	4	
102	2644	14.43	1.90			76	4367	19.46	1.35	KF	107	4	
109	2475	13.51	2.15			90	3705	16.51	1.53	KA	107	4	
125	2160	11.79	2.19			103	3238	14.43	1.55	KAF107	4		
147	1832	10.00	2.39			110	3032	13.51	1.75				
168	1601	8.74	2.45			126	2646	11.79	1.79				
59	4534	24.75	0.89			148	2244	10.00	1.82				
66	4098	22.37	0.99			169	1961	8.74	1.95				
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										

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选型参数表

SELECTION TABLE

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	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						55kW					
6.5	58664	227	0.80	K 187R107	4	17	29204	87.54	1.03		
7.4	51428	199	0.91	KA 187R107	4	19	25974	77.86	1.16		
8.8	43416	168	1.08			22	22745	68.18	1.32	K 167	4
						24	20263	60.74	1.48	KA 167	4
11	35922	139	0.84	K 167R107	4	29	17207	51.58	1.75		
12	31270	121	0.96	KA 167R107	4	35	14258	42.74	2.1		
						41	12170	36.48	2.5		
8.2	49344	180.78	0.95			24	20357	61.02	0.83		
8.9	45326	166.06	1.04			27	18111	54.29	0.93		
10	39449	144.53	1.19			32	15609	46.79	1.08		
11	35751	130.98	1.31	K 187	4	39	12684	38.02	1.33		
13	30892	113.18	1.52	KA 187	4	47	10442	31.30	1.62	K 157	4
14	28029	102.69	1.68			54	9214	27.62	1.84	KF 157	4
17	24145	88.46	1.9			62	7990	23.95	2.1	KA 157	4
20	20291	74.34	2.3			69	7109	21.31	2.4	KAF157	4
						81	6128	18.37	2.8		
14	29869	109.43	1.01			99	4977	14.92	3.4		
17	23894	87.54	1.26			117	4220	12.65	3.8		
19	21683	79.44	1.42	K 167	4	37	13408	40.19	0.91		
22	18610	68.18	1.62	KA 167	4	47	10465	31.36	1.17		
24	16519	60.52	1.82			53	9234	27.67	1.32		
29	14079	51.58	2.1			62	7976	23.90	1.53	K 127	4
35	11666	42.74	2.6			70	7056	21.14	1.73	KF 127	4
						83	5928	17.77	2.06	KA 127	4
21	19210	70.38	0.88			103	4787	14.35	2.38	KAF127	4
24	16655	61.02	1.02			116	4267	12.78	1.88		
27	14818	54.29	1.14			138	3583	10.74	2.1		
32	12771	46.79	1.32	K 157	4	171	2896	8.68	2.3		
39	10378	38.02	1.63	KF 157	4	75kW					
47	8543	31.30	2.0	KA 157	4	11	59298	130.35	0.79		
54	7539	27.62	2.2	KAF157	4	13	52224	114.80	0.90		
62	6537	23.95	2.6			14	47016	103.35	1.00	K 187	4
69	5817	21.31	2.9			17	40242	88.46	1.17	KA 187	4
81	5014	18.37	3.4			20	33818	74.34	1.39		
						23	29283	64.37	1.61		
31	13052	47.82	0.94			28	24402	53.64	1.9		
37	10970	40.19	1.11			32	20803	45.73	2.3		
41	9957	36.48	1.23			19	35420	77.86	0.85		
47	8562	31.36	1.43			22	30857	67.83	0.97		
53	7555	27.67	1.62	K 127	4	24	27531	60.52	1.09		
62	6526	23.90	1.87	KF 127	4	29	23496	51.65	1.28		
70	5773	21.14	2.1	KA 127	4	34	19598	43.08	1.53	K 167	4
83	4850	17.77	2.3	KAF127	4	41	16595	36.48	1.81	KA 167	4
103	3917	14.35	2.5			46	14616	32.13	2.1		
116	3491	12.78	2.6			52	13042	28.67	2.3		
138	2931	10.74	2.8			61	11114	24.43	2.7		
171	2369	8.68	2.9			39	17296	38.02	0.98		
						47	14239	31.30	1.19		
52	7804	28.59	0.87			54	12565	27.62	1.35	K 157	4
57	7080	25.94	0.96			62	10895	23.95	1.55	KF 157	4
66	6087	22.30	1.10			69	9694	21.31	1.75	KA 157	4
76	5312	19.46	1.11	K 107	4	81	8357	18.37	2.0	KAF157	4
90	4506	16.51	1.26	KF 107	4	99	6787	14.92	2.5		
103	3939	14.43	1.44	KA 107	4	117	5755	12.65	2.9		
110	3688	13.51	1.47	KAF107	4	47	14271	31.36	0.86		
126	3218	11.79	1.55			53	12592	27.67	0.97		
148	2729	10.00	1.60			62	10877	23.90	1.12	K 127	4
169	2386	8.74	1.64			70	9621	21.14	1.27	KF 127	4
						83	8084	17.77	1.36	KA 127	4
55kW						103	6528	14.35	1.51	KAF127	4
10	45904	145.33	1.02			114	5900	12.78	1.54		
11	41371	130.98	1.14			138	4886	10.74	1.72		
13	36261	114.80	1.30	K 187	4	171	3949	8.68	1.74		
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								

K

选型参数表

SELECTION TABLE

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

表上所配功率均有超载,按实际条件确定的转矩不得大于减速机额定转矩。

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

选型参数表

SELECTION TABLE

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	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	4.6	305	K 97R57	3.0	13000	1.5	899	K 127R77	3.0	
	5.4	258	KF 97R57			1.8	790			
	6.0	232	KA 97R57			2.0	690			
	7.1	199	KAF97R57	2.3		599	KF 127R77		4.0	
8000	0.13	10528	K 107R77	0.18		2.6	539	KA 127R77	4.0	
	0.15	9391				3.0	468			KAF127R77
	0.17	8211				3.4	410	K 127R87	4.0	
	0.19	7167				2.6	536			KF 127R87
	0.23	6097		KA 127R87		0.25	2.9	473	KAF127R87	7.5
	0.25	5582					3.3	418		
	0.27	5065				0.37	3.8	367		
	0.32	4299					4.2	330		
	0.37	3757		KAF107R77	0.55	4.8	290	K 157R97	1.1	
	0.43	3236				0.08	17679			
	0.48	2869	0.09		15729	0.55				
	0.56	2504	0.10		14721					
	0.63	2203	0.11		13097	0.12	11368			
	0.74	1869	0.12		11368					
	0.83	1689	1.1		0.14	10114	0.16			8718
	0.91	1533			0.18	7734				
	1.1	1317	1.5		0.27	5074	0.31			4514
	1.2	1150			0.35	3974				
	1.4	1015	2.2	0.40	3516	0.46	3047			
	1.6	871		0.48	2899			KF 157R97	1.5	
1.8	782	3.0	0.60	2319	0.69	2026				
2.0	686		0.77	1802			KA 157R97	2.2		
2.3	606	4.0	0.83	1680	1.0	1365				
2.7	515		1.1	1229			1.3	1093		
3.1	455	5.5	1.5	942	1.6	854				
3.6	402		1.8	756			2.1	661		
4.1	351	18000	2.1	661	2.5	565				
4.7	307		2.5	565			2.9	503		
5.2	277	32000	2.9	503	3.3	433				
5.9	243		3.3	433			5.0	290		
13000	0.08	17550	K 127R77	0.18	4.8	307			K 157R107	11
	0.09	16006			5.6	260	KF 157R107			
	0.10	14975		0.55	6.2	237	KA 157R107	15		
	0.11	12440			7.0	210			KAF157R107	
	0.13	10914		0.75	0.07	19653	K 167R97	0.55		
	0.14	9819			0.08	17345				
	0.16	8443		1.1	0.09	14945	KA 167R97	0.75		
	0.19	7483			0.11	13190				
	0.21	6565		1.5	0.12	11532	K 167R97	1.1		
	0.24	5804			0.14	10227				
	0.28	5027		2.2	0.16	8597	K 167R97	1.5		
	0.31	4423			0.21	6538				
0.37	3801	32000	0.26	5366	K 167R97	1.5				
0.43	3237		0.29	4798						
0.47	2941	0.75	0.34	4059	K 167R97	1.5				
0.55	2548		0.37	3757						
0.63	2218	1.1	0.43	3237	K 167R97	1.5				
0.72	1926		0.47	2941						
0.79	1757	1.5	0.55	2548	K 167R97	1.5				
0.90	1541		0.59	2218						
1.0	1342	2.2	0.63	2218	K 167R97	1.5				
1.2	1177		0.72	1926						
1.4	1025	32000	0.79	1757	K 167R97	1.5				
			0.90	1541						

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.

选型参数表

SELECTION TABLE

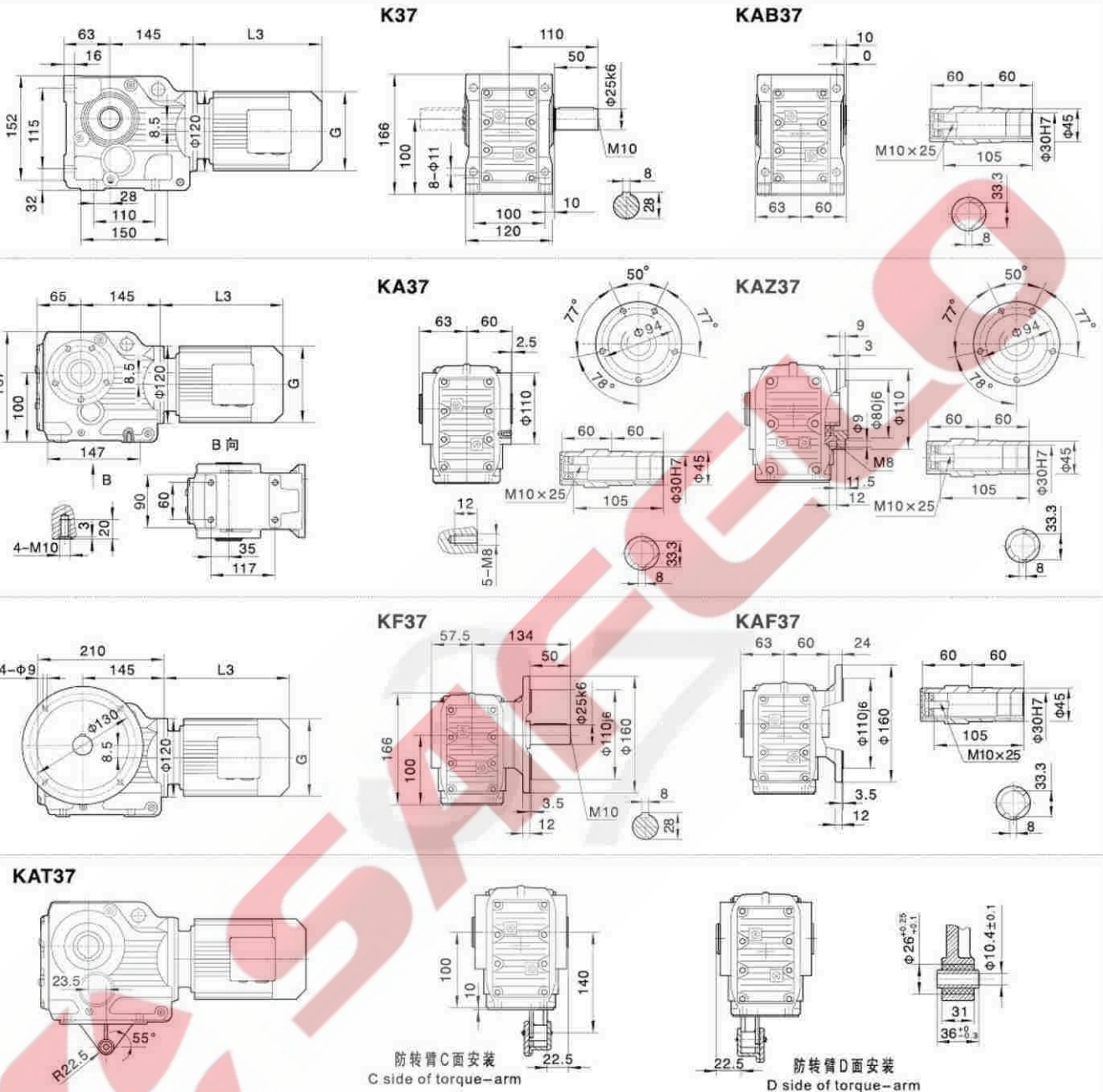
Mamax Permissible torque Nm	输出转速 Output speed r/min	传动比 Ratio i	机型号 Type Type	功率 Power kW/4p	Mamax Permissible torque Nm	输出转速 Output speed r/min	传动比 Ratio i	机型号 Type Type	功率 Power kW/4p
32000	0.42	3359	K 167R97 KA 167R97	2.2	50000	2.0	720	K 187R107 KA 187R107	15
	0.52	2741				2.4	614		
	0.63	2252		3		2.9	514		18.5
	0.65	2174				3.3	449		
	0.85	1698		4		4.0	365		30
	1.0	1402				5.5	268		
	1.1	1291		5.5		6.5	227		45
	1.3	1101				7.4	199		
	1.5	944		7.5		8.8	168		
	1.7	843				11			
	1.9	757		15					
	2.6	561				18.5			
	3.0	479		22					
	3.4	422				30			
	3.9	367		37					
	4.7	313				45			
	5.4	273		45					
	5.9	250							
	6.7	218		K 167R107					
	7.2	203		KA 167R107					
7.9	185								
9.0	163								
11	139								
12	121								
50000	0.04	32625	K 187R97 KA 187R97	0.55	50000	0.05	27165		0.75
	0.06	24353				0.07	19144		
	0.07	19144				0.08	16978		
	0.10	14272				0.11	13116		
	0.12	11647				0.13	10413		
	0.15	9363				0.17	8126		
	0.19	7333		1.5		0.21	6738		
	0.21	6738				0.24	5984		
	0.27	5350		2.2		0.30	4810		
	0.30	4810				0.33	4364		
	0.33	4364		3		0.39	3609		
	0.39	3609				0.46	3062		
	0.46	3062		4		0.56	2519		
	0.56	2519				0.63	2268		
	0.63	2268		5.5		0.69	2054		
	0.69	2054				0.78	1821		
	0.78	1821		7.5		0.88	1605		
	0.88	1605				1.0	1395		
	1.0	1395		15		1.2	1196		
	1.2	1196				2.0	737		
2.0	737	18.5	2.4	619					
2.4	619		2.8	524					
2.8	524								

表上所配功率均有超载,按实际条件确定的转矩不得大于减速机额定转矩。

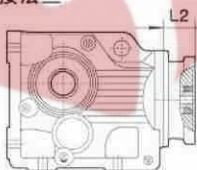
The power are all overload in the table.The decided torque according to operating condition should not more than gear units' nominal torque.

K

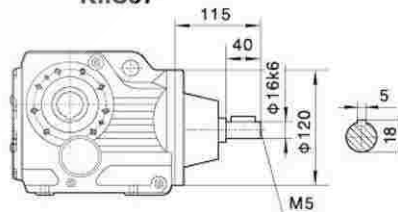
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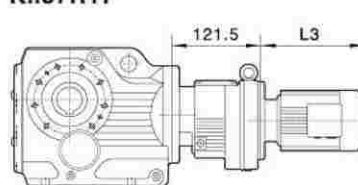
电机需方配或配特殊电机时需加联接法兰



K..S37



K..37R17



注:其余尺寸见相对应结构形式

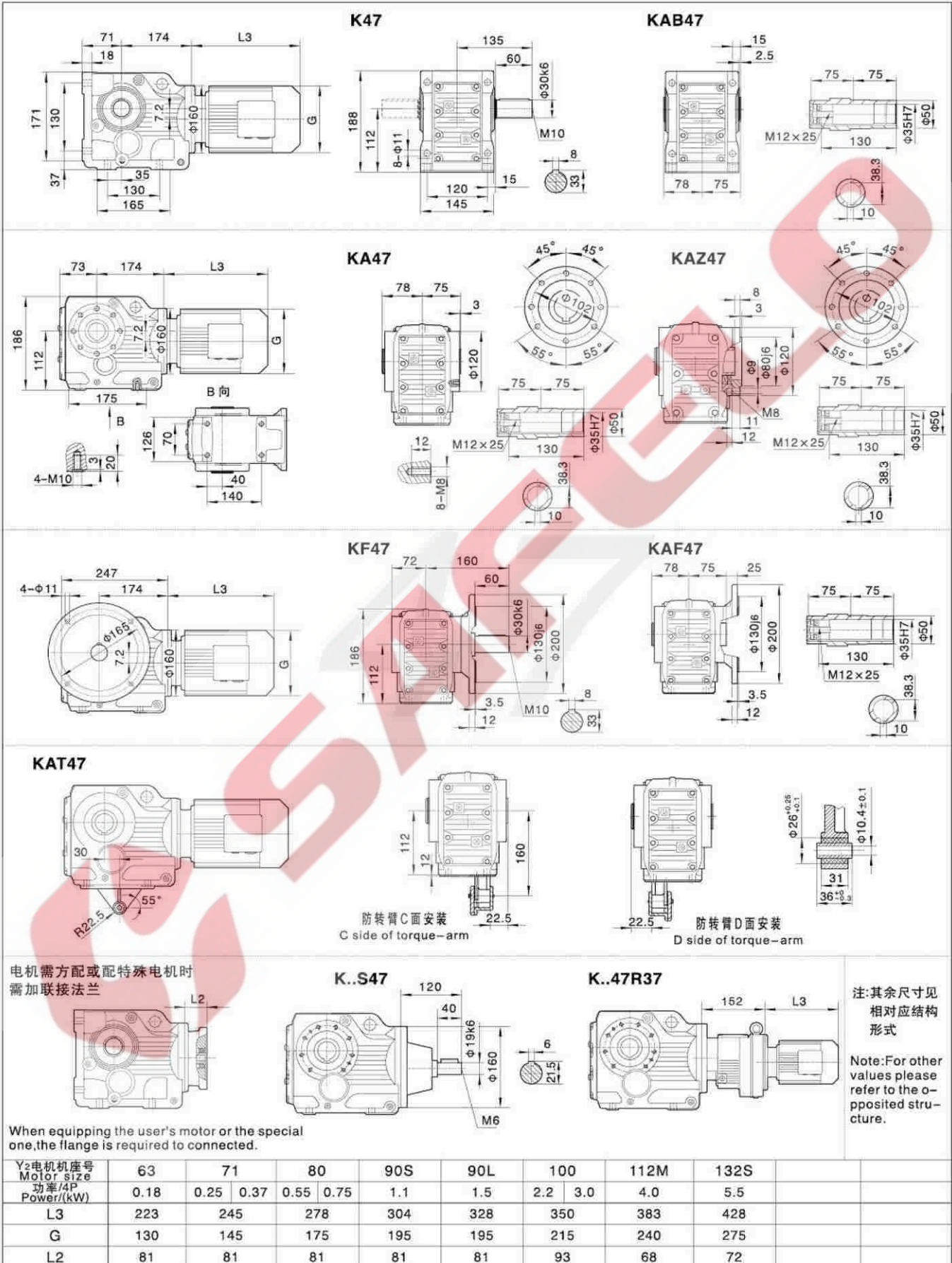
Note:For other values please refer to the opposed structure.

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

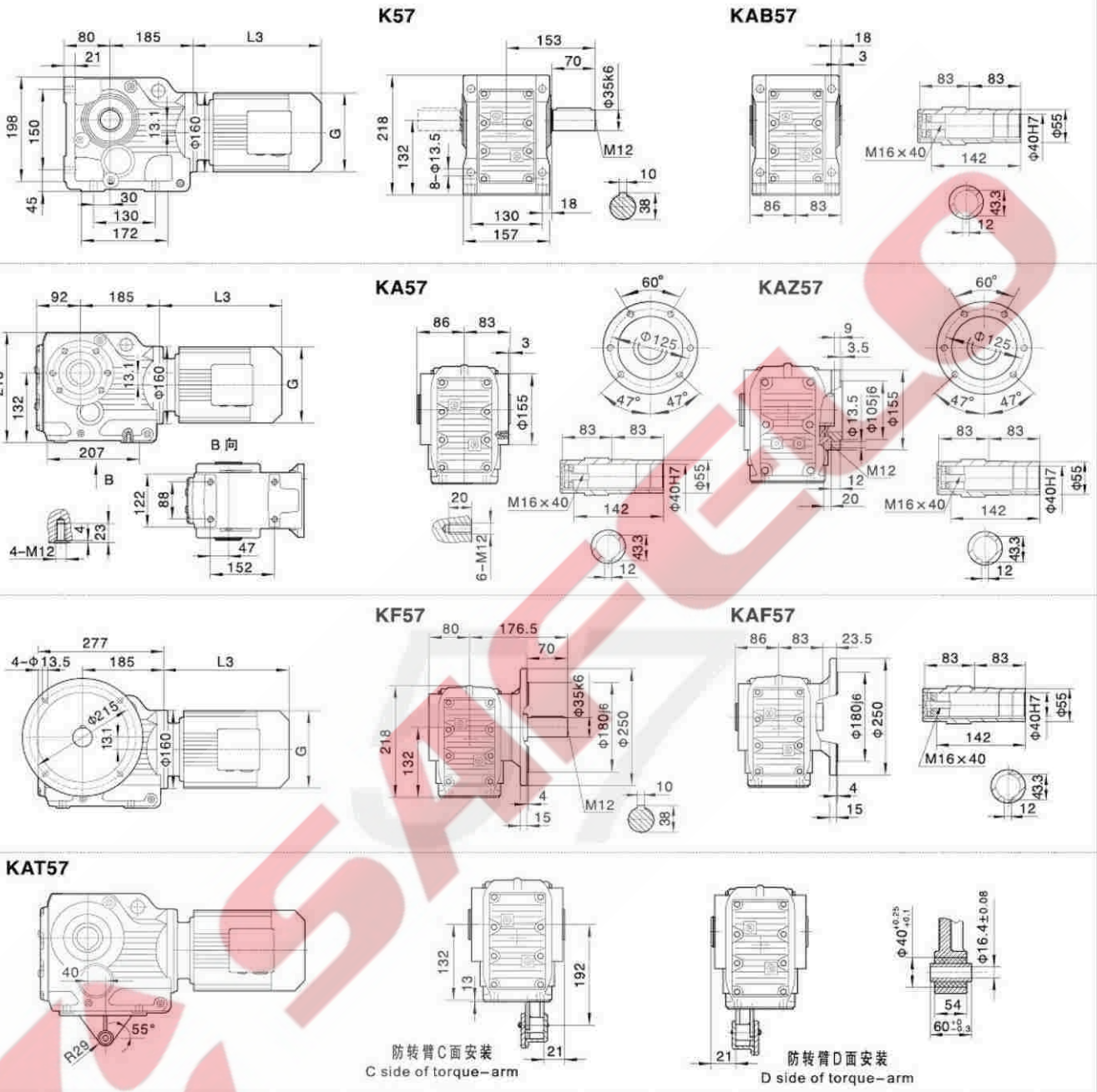
Y2电机座号 Motor size	63	71	80	90S	90L	100					
功率/4P Power/(kW)	0.18	0.25 0.37	0.55 0.75	1.1	1.5	2.2 3.0					
L3	235	245	278	304	328	340					
G	130	145	175	195	195	215					
L2	71	71	71	71	71	93					

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.

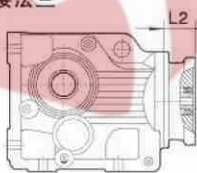
Note:1.The housings of KA, KF, KAF, KAZ are common parts.The mounting dimensions may consult each other. 2."K.."mean K, KA, KF, KAF, KAZ, KAB.



K

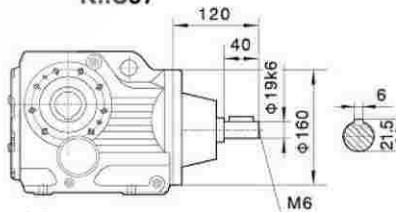


电机需方配或配特殊电机时需加联接法兰

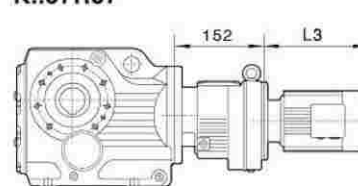


When equipping the user's motor or the special one, the flange is required to be connected.

K..S57



K..57R37



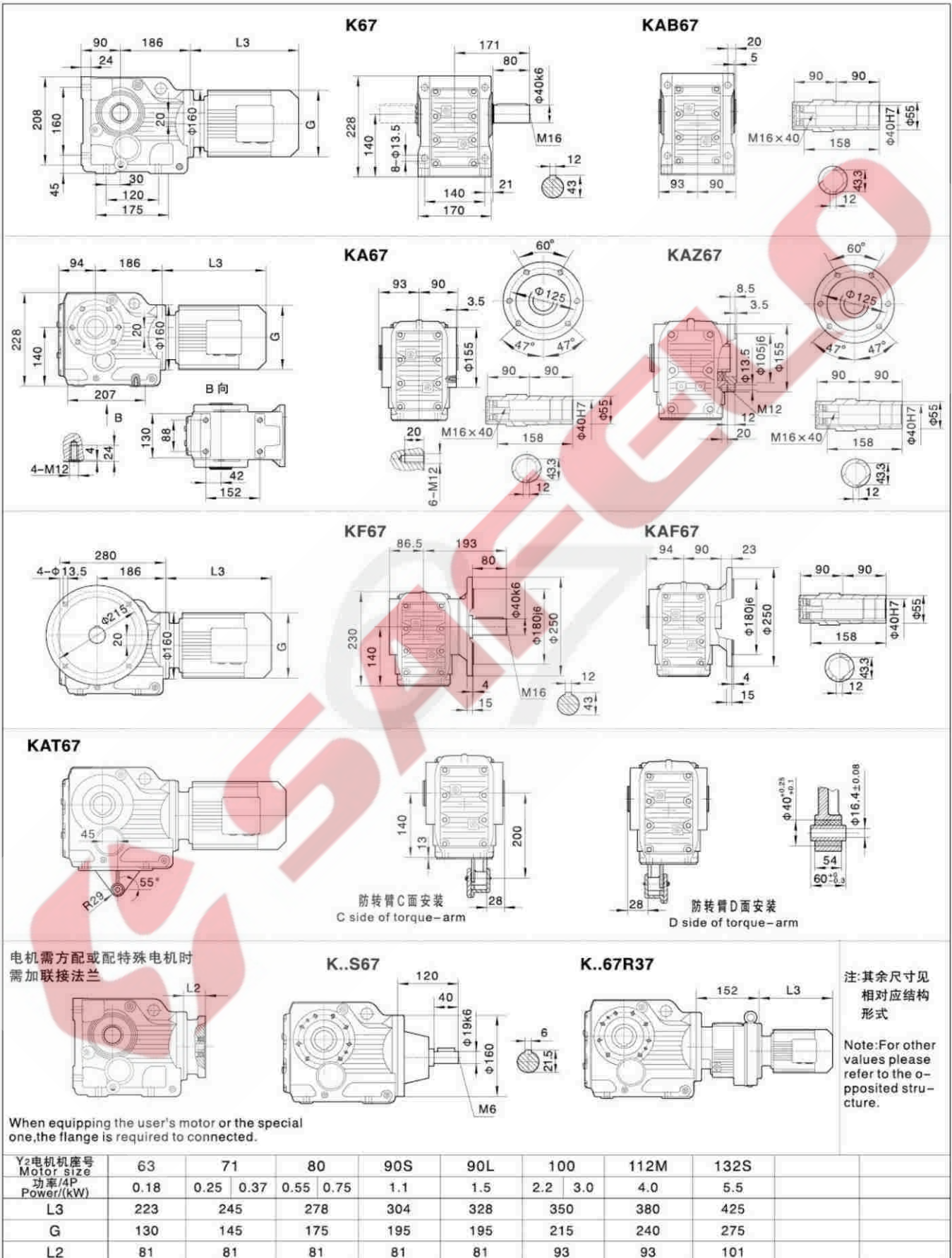
注:其余尺寸见相对应结构形式

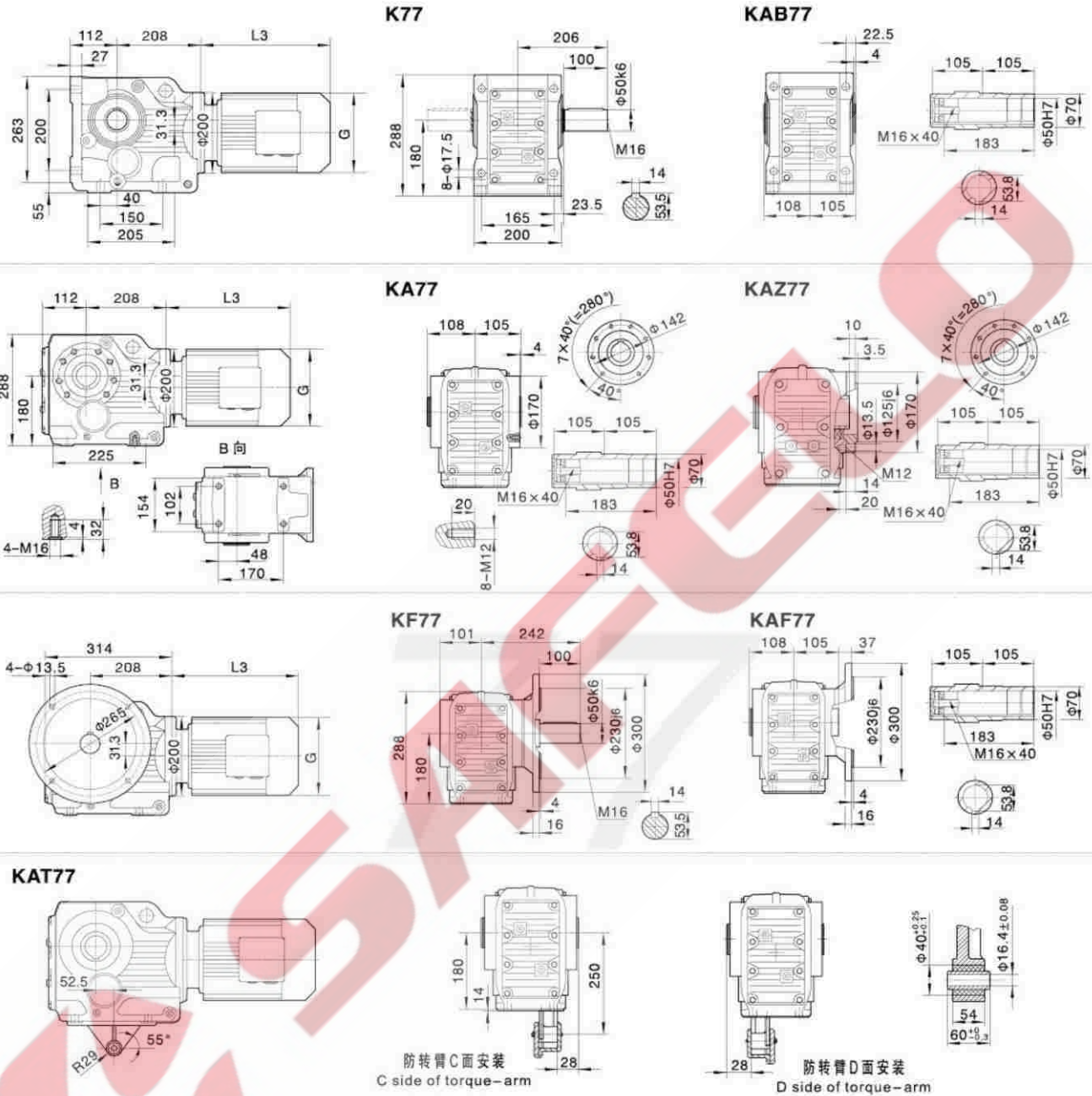
Note: For other values please refer to the opposite structure.

Y2电机座号 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	81	81	81	81	81	93	93	101

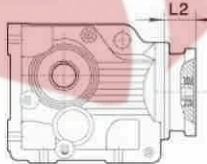
注:1.KA、KF、KAF、KAZ壳体为通用件,安装尺寸均可相互参照。 2."K.."表示K、KA、KF、KAF、KAZ、KAB。

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.

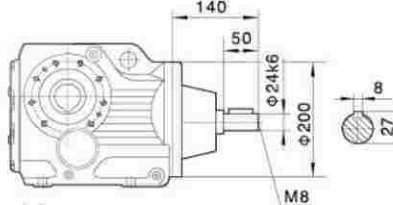

K



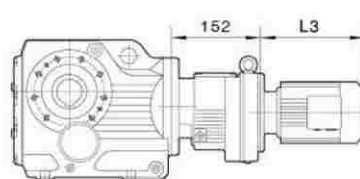
电机需方配或配特殊电机时需加联接法兰



K..S77



K..77R37



注:其余尺寸见
相对应结构
形式

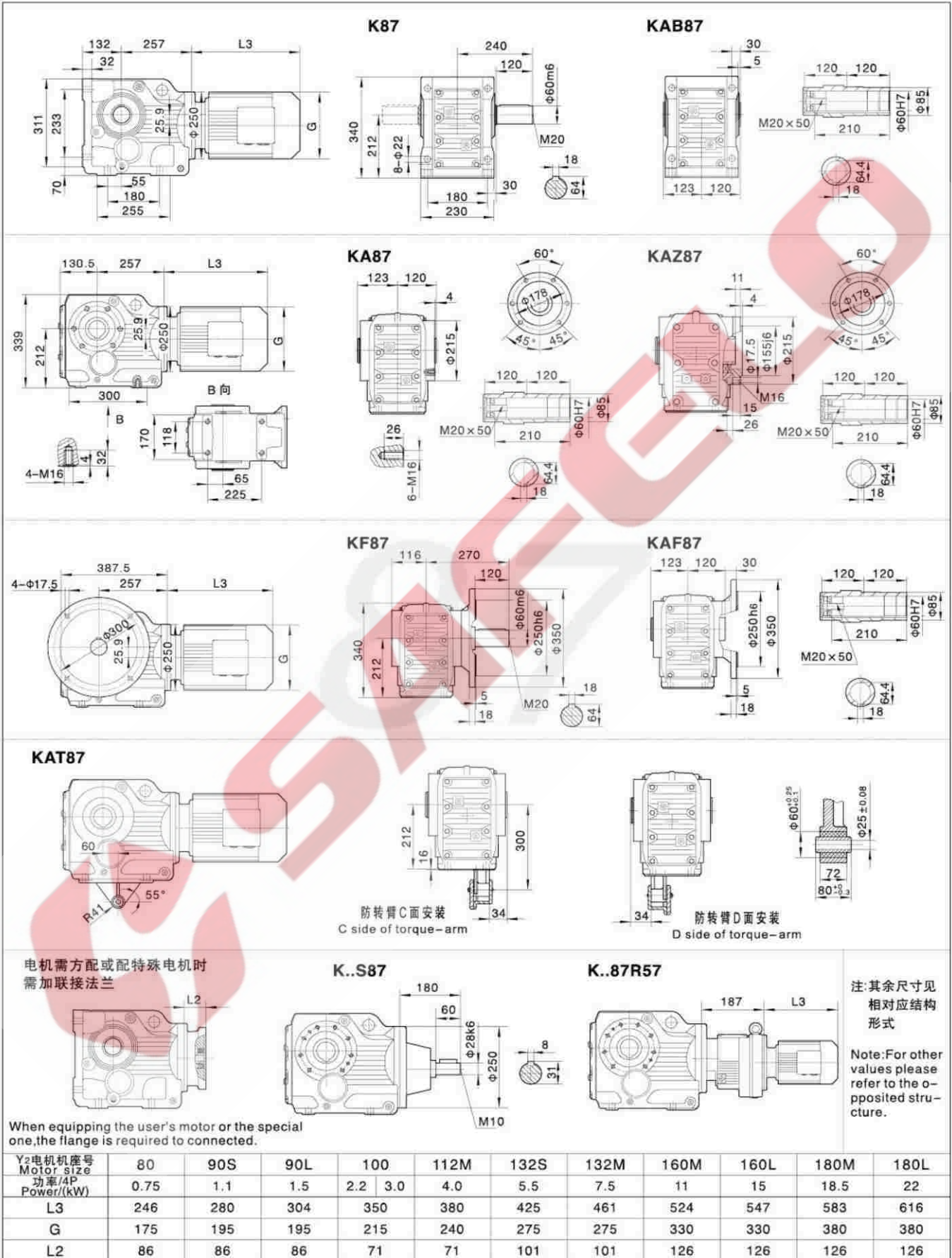
Note:For other
values please
refer to the
opposed stru-
cture.

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

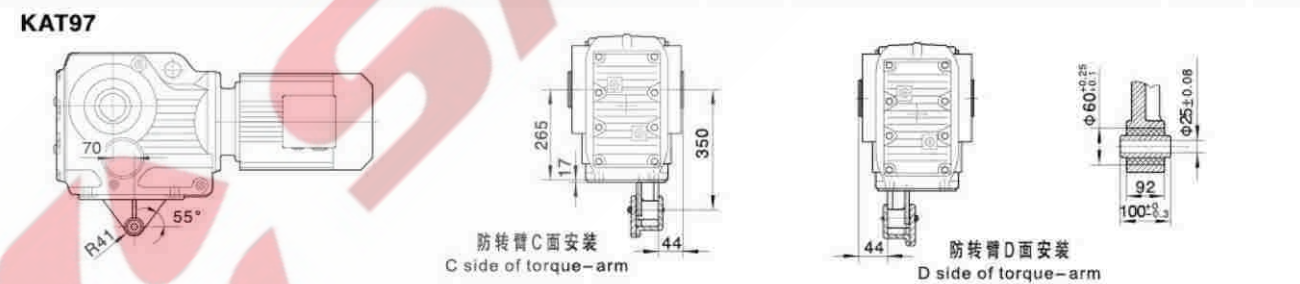
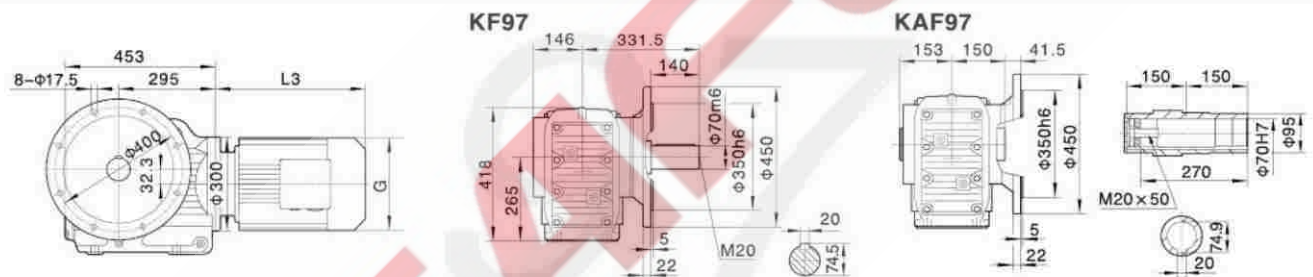
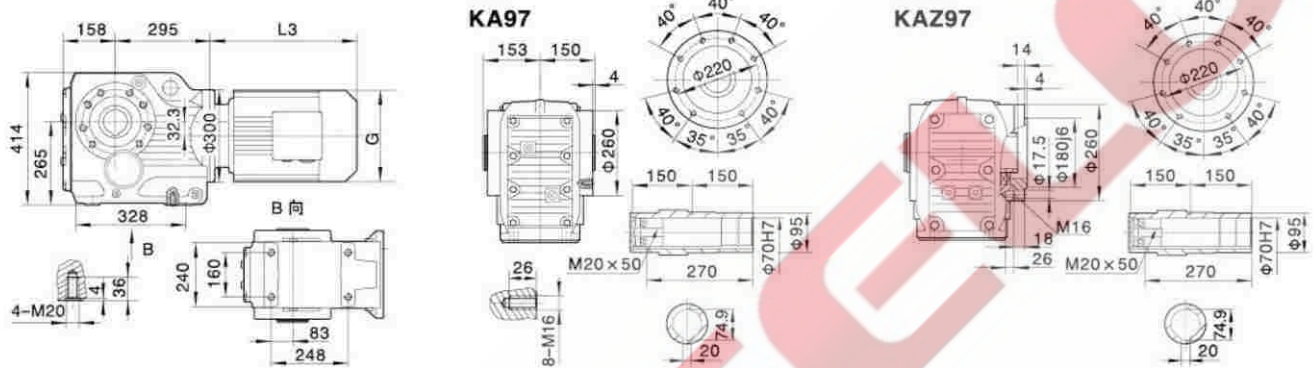
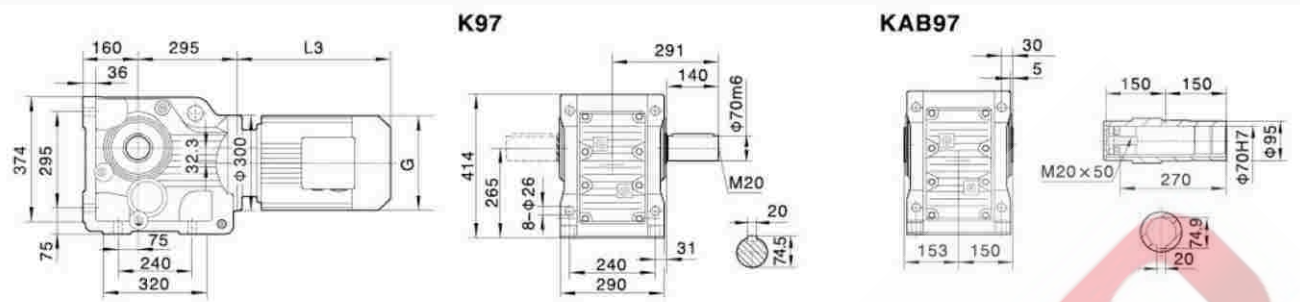
Yz电机机座号 Motor size	71	80	90S	90L	100	112M	132S	132M	160M
功率/4P Power/(kW)	0.37	0.55 0.75	1.1	1.5	2.2 3.0	4.0	5.5	7.5	11
L3	233	278	304	328	350	380	425	461	524
G	145	175	195	195	215	240	275	275	330
L2	81	81	81	81	93	93	101	101	126

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.

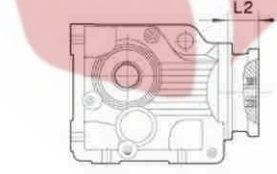
Note:1.The housings of KA, KF, KAF, KAZ are common parts.The mounting dimensions may consult each other. 2."K.."mean K, KA, KF, KAF, KAZ, KAB.



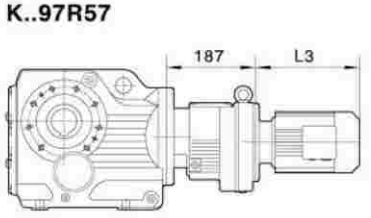
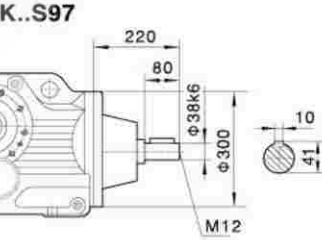
K



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 be connected.

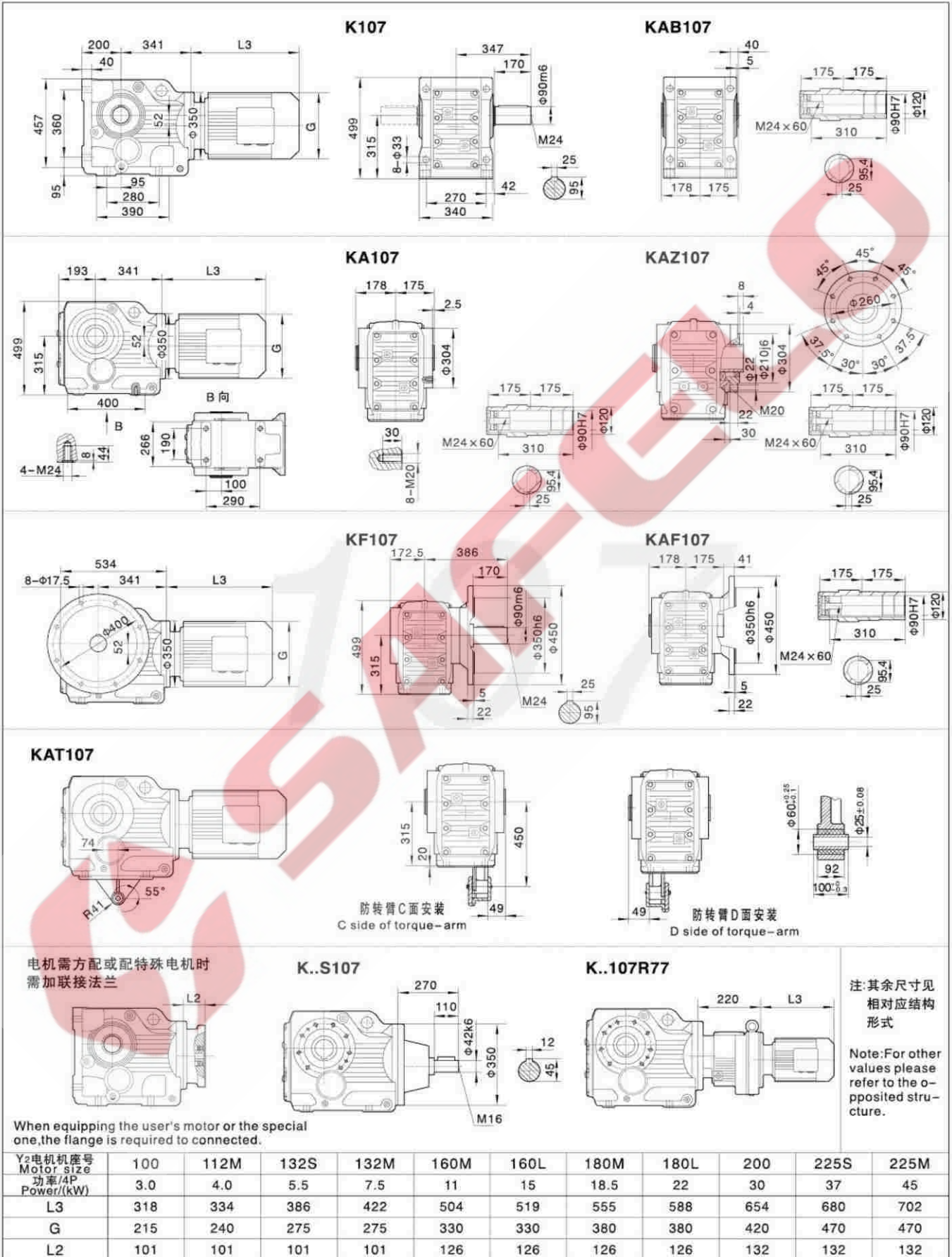


注:其余尺寸见相对应结构形式

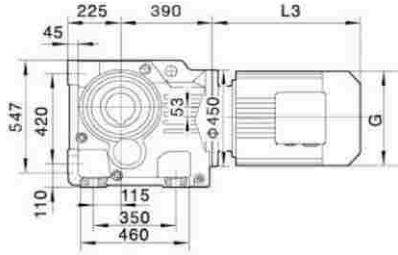
Note: For other values please refer to the opposite structure.

Yz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	101	101	101	101	126	126	126	126	132	

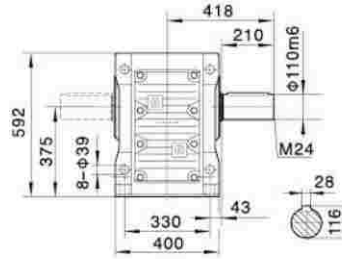
注:1.KA, KF, KAF, KAZ壳体为通用件,安装尺寸均可相互参照。 2."K.."表示K, KA, KF, KAF, KAZ, KAB。
Note:1.The housings of KA, KF, KAF, KAZ are common parts.The mounting dimensions may consult each other. 2."K.."mean K, KA, KF, KAF, KAZ, KAB.



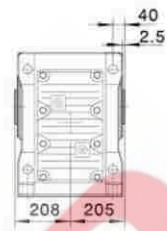
K



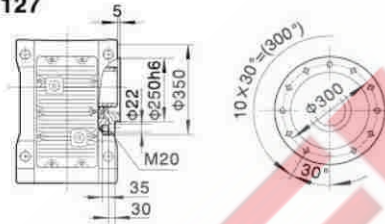
K127



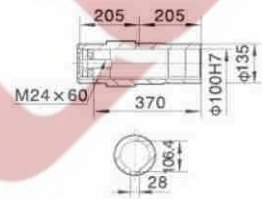
KA(KAB)127



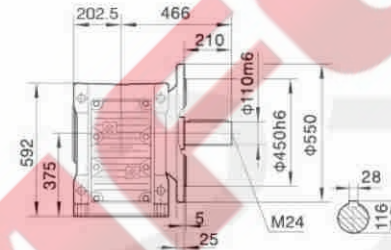
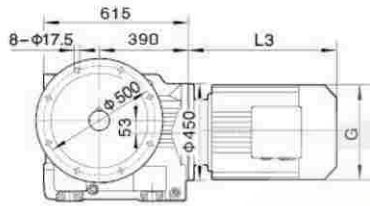
KAZ127



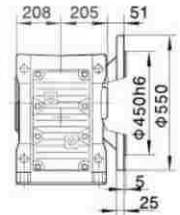
KA127/KAF127/KAZ127
空心轴/Hollow shaft



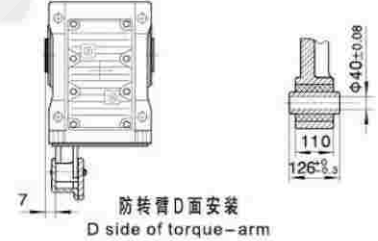
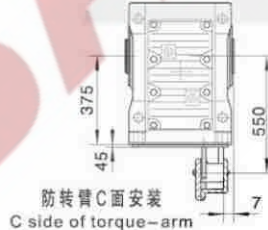
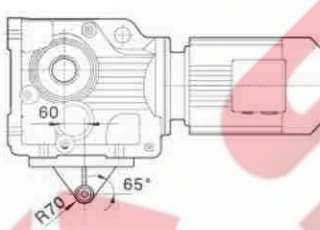
KF127



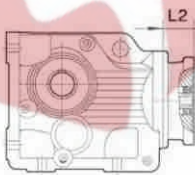
KAF127



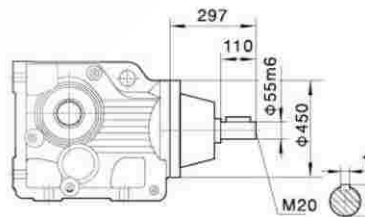
KAT127



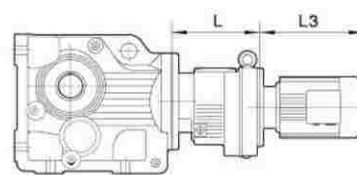
电机需方配或配特殊电机时需加联接法兰



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 opposite structure.

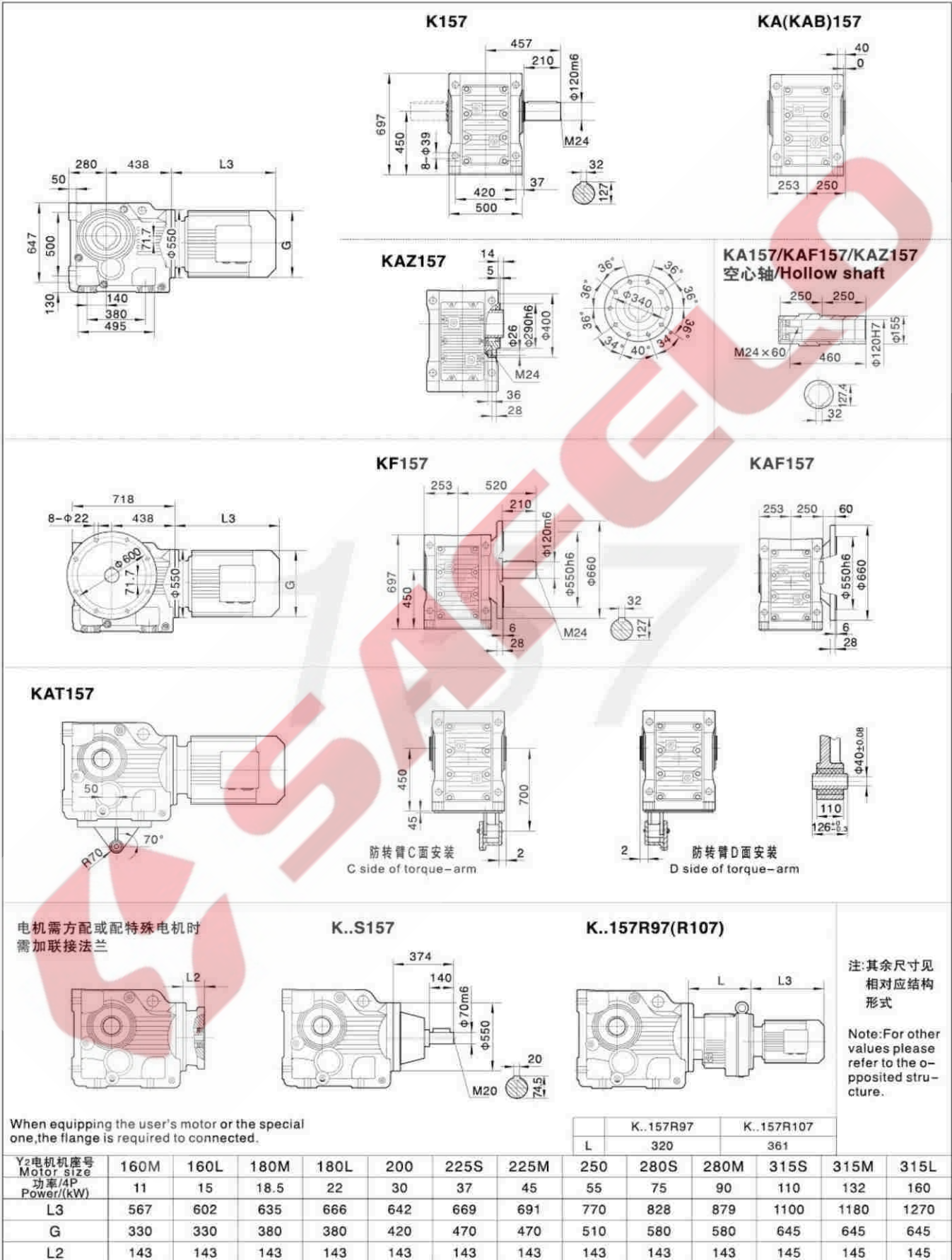
When equipping the user's motor or the special one, the flange is required to be connected.

Yz电机座号 Motor size 功率/4P Power/(kW)	132M	160M	160L	180M	180L	200	K..127R77		K..127R87		280S	280M
							L	220	272			
L3	424	567	602	583	616	654	674	696	775	847	847	847
G	275	330	330	380	380	420	470	470	510	580	580	580
L2	132	132	132	132	132	132	143	143	174	174	174	174

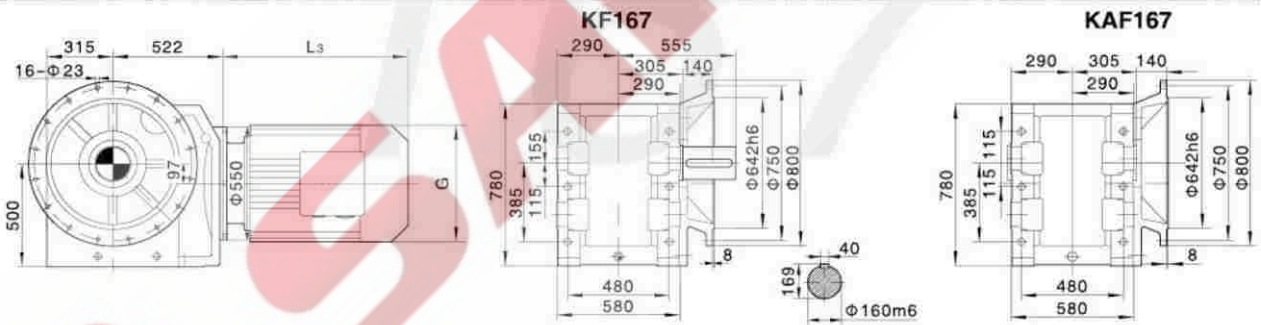
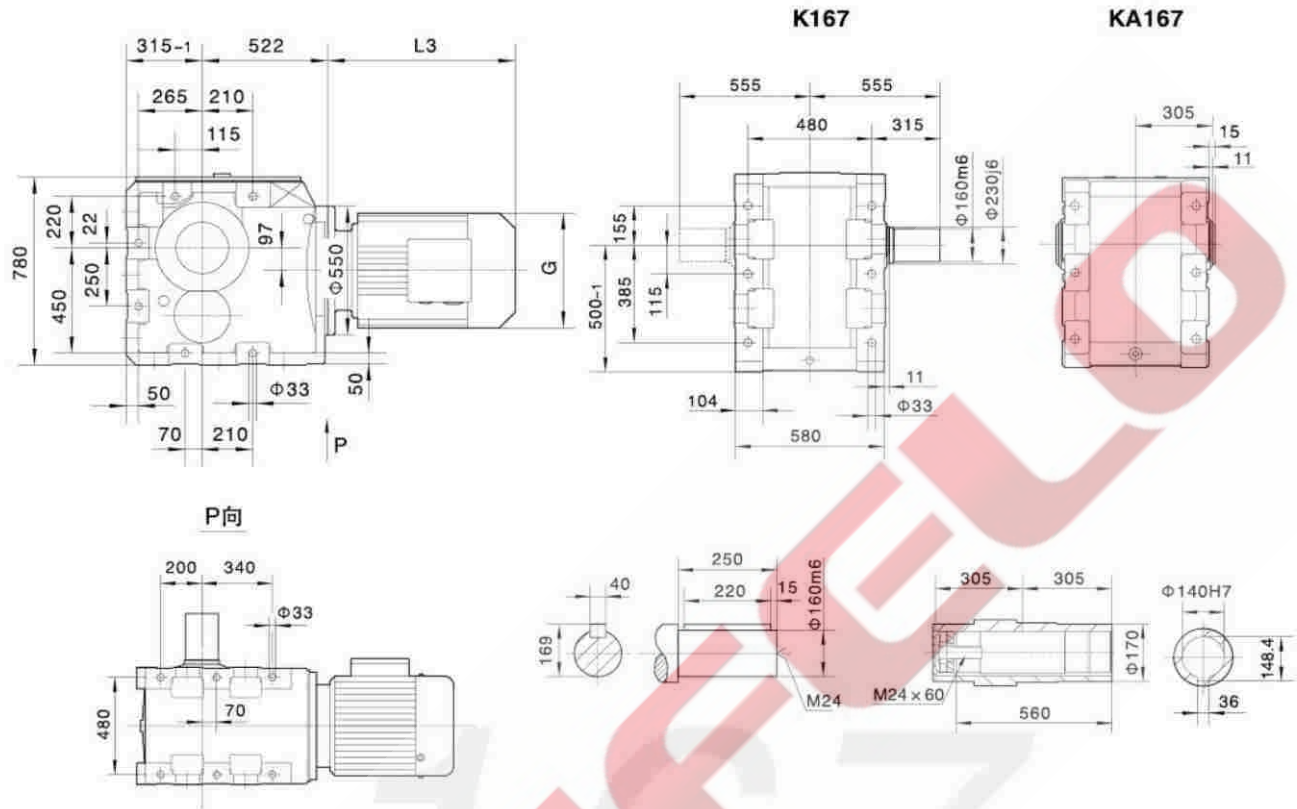
注:1.以上壳体为通用件, 安装尺寸均可相互参照。

2."K.."表示K、KA、KF、KAF、KAZ、KAB。

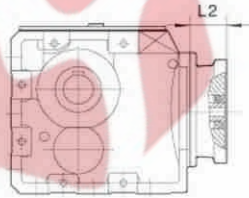
Note:1.The housings of KA, KF, KAF, KAZ are common parts. The mounting dimensions may consult each other. 2."K.."mean K, KA, KF, KAF, KAZ, KAB.



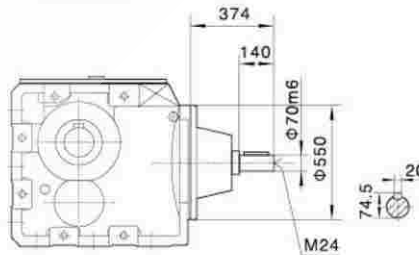
K



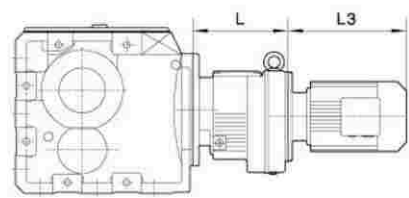
电机需方配或配特殊电机时需加联接法兰



K..S167



K..167R97(R107)



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

注:其余尺寸见相对应结构形式

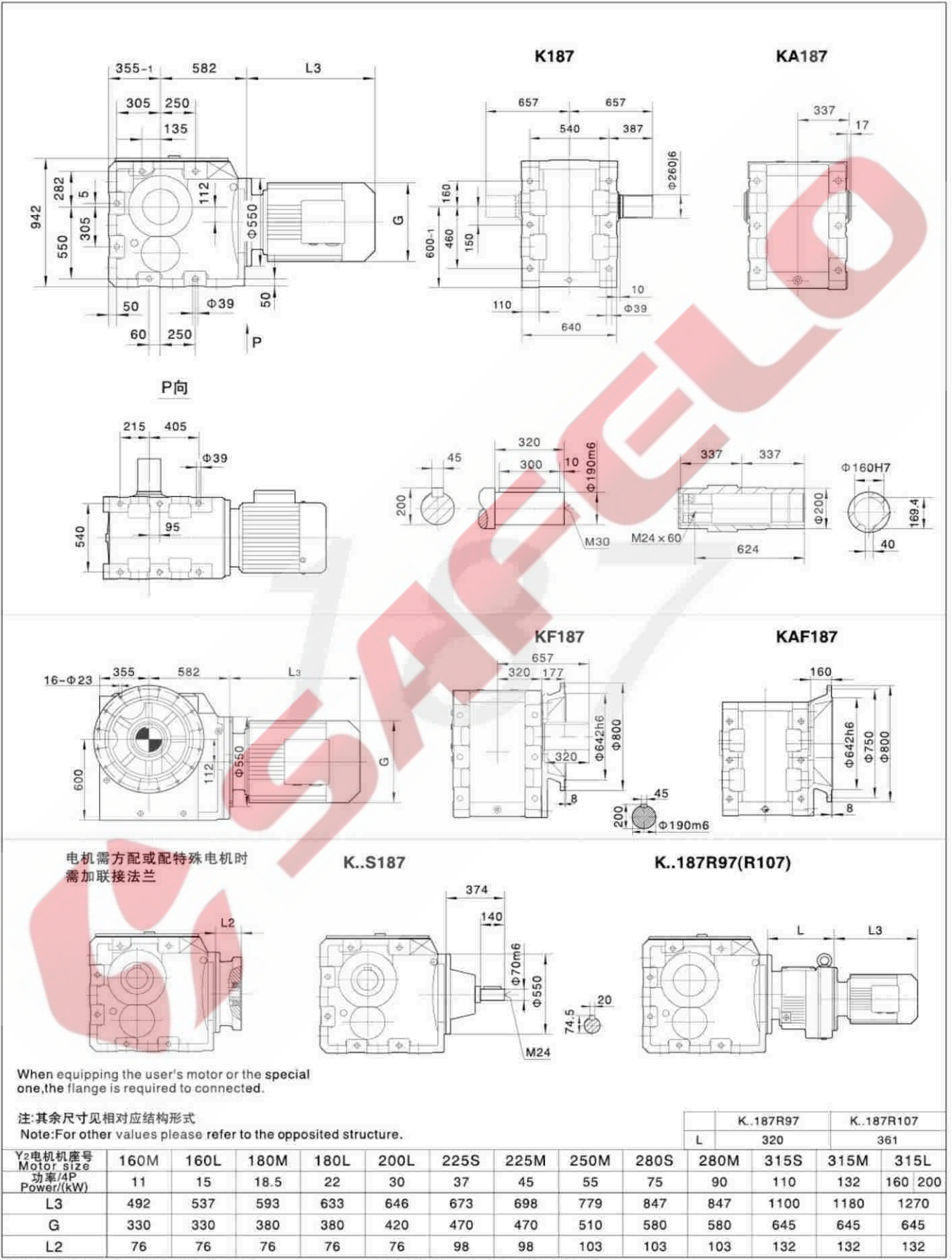
Note:For other values please refer to the opposited structure.

Yz电机座号 Motor size	K..167R97										K..167R107		
	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	76	76	76	76	76	98	98	103	103	103	132	132	132

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.

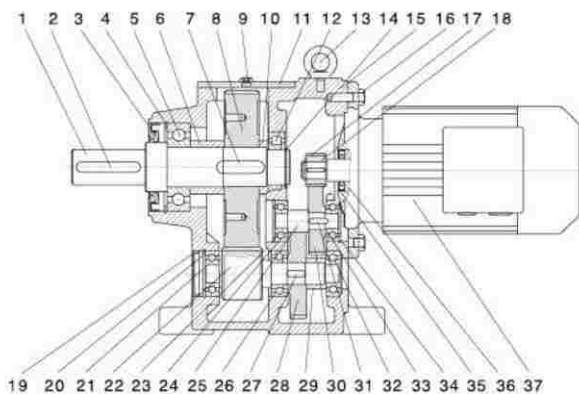
Note:1.The housings of KA, KF, KAF, KAZ are common parts. The mounting dimensions may consult each other. 2."K.."mean K, KA, KF, KAF, KAZ, KAB.



K

一. R系列结构图

R series structural drawing

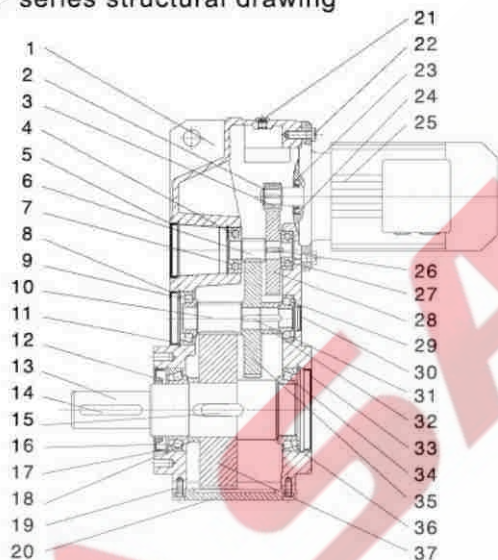


- | | | | |
|-----------|-------------|--------------|-------------|
| 1. 输出轴 | 10. 轴套 II | 19. 封盖 | 28. 齿轮 II |
| 2. 平键 I | 11. 盖 | 20. 孔用挡圈 II | 29. 轴套 III |
| 3. 输出轴油封 | 12. 轴承 II | 21. 轴承 III | 30. 齿轮 I |
| 4. 孔用挡圈 I | 13. 吊环 | 22. 齿轮轴 III | 31. 平键 IV |
| 5. 轴承 I | 14. 轴用挡圈 I | 23. 孔用挡圈 III | 32. 轴承 VI |
| 6. 轴套 I | 15. 箱体 | 24. 轴承 IV | 33. 轴承 VII |
| 7. 平键 II | 16. 螺栓 | 25. 齿轮轴 II | 34. 孔用挡圈 IV |
| 8. 齿轮 III | 17. 轴用挡圈 II | 26. 轴承 V | 35. 电机油封 |
| 9. 通气帽 | 18. 输入齿轮 | 27. 平键 III | 36. 电机轴承 |

- | | | |
|----------------------|--------------------|----------------------|
| 1. Output shaft | 13. Hoisting ring | 25. Gear shaft II |
| 2. Parallel key | 14. Circlip II | 26. Bearing V |
| 3. Output shaft seal | 15. Housing | 27. Parallel key III |
| 4. Circlip I | 16. Bolts | 28. Gear II |
| 5. Bearing I | 17. Circlip II | 29. Bush III |
| 6. Bush I | 18. Input gear | 30. Gear I |
| 7. Parallel key II | 19. Cover | 31. Parallel key IV |
| 8. Gear III | 20. Circlip II | 32. Bearing VI |
| 9. Breather valve | 21. Bearing III | 33. Bearing VII |
| 10. Bush II | 22. Gear shaft III | 34. Circlip IV |
| 11. Cover | 23. Circlip III | 35. Motor seal |
| 12. Bearing II | 24. Bearing IV | 36. Motor bearing |
| | | 37. Motor |

二. F系列结构图

F series structural drawing

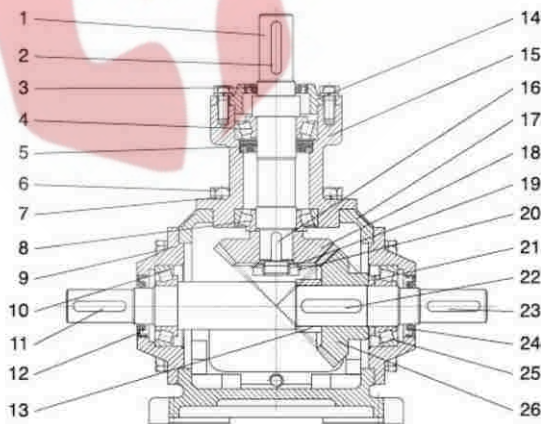


- | | | | |
|-----------|--------------|------------|-------------|
| 1. 箱体 | 10. 齿轮轴 III | 19. 螺栓 | 28. 齿轮 I |
| 2. 轴用挡圈 I | 11. 孔用挡圈 II | 20. 盖 | 29. 轴承 V |
| 3. 输入齿轮 | 12. 输出轴油封 | 21. 通气帽 | 30. 封盖 III |
| 4. 孔用挡圈 I | 13. 输出轴 | 22. 螺栓 | 31. 平键 IV |
| 5. 封盖 I | 14. 平键 I | 23. 电机油封 | 32. 轴套 II |
| 6. 齿轮轴 II | 15. 平键 II | 24. 电机轴承 | 33. 封盖 IV |
| 7. 轴承 I | 16. 轴承 III | 25. 电机 | 34. 轴承 VI |
| 8. 封盖 II | 17. 孔用挡圈 III | 26. 平键 III | 35. 齿轮 II |
| 9. 轴承 II | 18. 轴套 III | 27. 轴承 IV | 36. 孔用挡圈 IV |

- | | | |
|-----------------------|---------------------|----------------------|
| 1. Housing | 13. Output shaft | 25. Motor |
| 2. Circlip I | 14. Parallel key I | 26. Parallel key III |
| 3. Output gear | 15. Parallel key II | 27. Bearing IV |
| 4. Circlip I | 16. Bearing III | 28. Gear I |
| 5. Cover | 17. Circlip III | 29. Bearing V |
| 6. Gear shaft II | 18. Bush III | 30. Cover III |
| 7. Bearing I | 19. Bolts | 31. Parallel key IV |
| 8. Cover II | 20. Cover | 32. Bush II |
| 9. Bearing II | 21. Breather valve | 33. Cover IV |
| 10. Gear shaft III | 22. Bolts | 34. Bearing VI |
| 11. Circlip II | 23. Motor seal | 35. Gear II |
| 12. Output shaft seal | 24. Motor bearing | 36. Circlip IV |
| | | 37. Gear III |

三. T系列结构图

T series structural drawing

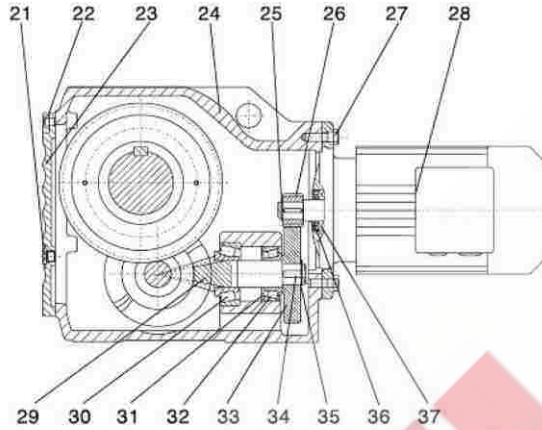
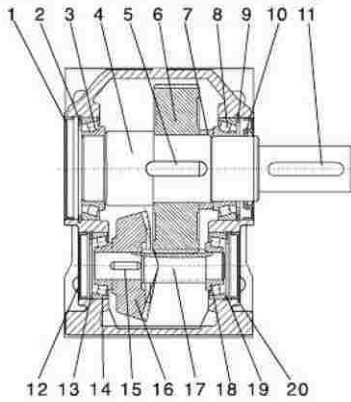


- | | | |
|----------|-------------|--------------|
| 1. 输入轴 | 10. 轴承 III | 19. 止动垫圈 |
| 2. 平键 I | 11. 平键 II | 20. 圆螺母 |
| 3. 输入轴油封 | 12. 输出轴油封 I | 21. 调整垫 I |
| 4. 轴承 I | 13. 调整垫 II | 22. 平键 IV |
| 5. 输入轴油封 | 14. 输入法兰盖 | 23. 平键 V |
| 6. 螺栓 | 15. 输入法兰 | 24. 输出轴油封 II |
| 7. 弹簧垫圈 | 16. 平键 III | 25. 轴承 IV |
| 8. 轴承 II | 17. 箱体 | 26. 输出弧齿锥齿轮 |
| 9. 输出法兰 | 18. 输入弧齿锥齿轮 | |

- | | | |
|---------------------|-------------------------|--------------------------|
| 1. Input shaft | 10. Bearing III | 19. Washer |
| 2. Parallel key I | 11. Parallel key II | 20. Round screw nut |
| 3. Input shaft seal | 12. Output shaft seal I | 21. Ring I |
| 4. Bearing I | 13. Ring II | 22. Parallel key IV |
| 5. Input shaft seal | 14. Input flange cover | 23. Parallel key V |
| 6. Bolts | 15. Input flange | 24. Output shaft seal II |
| 7. Washer | 16. Parallel key III | 25. Bearing IV |
| 8. Bearing II | 17. Housing | 26. Output helical |
| 9. Output flange | 18. Input helical | -bevel gear |

四. K系列结构图

K series structural drawing



- 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

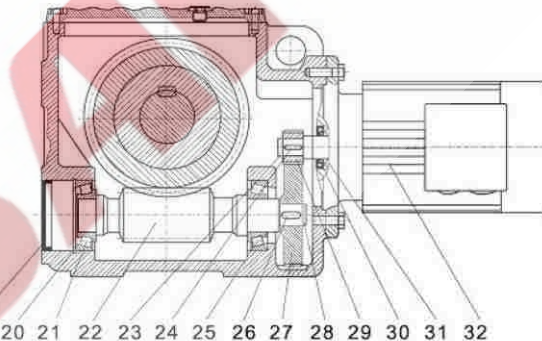
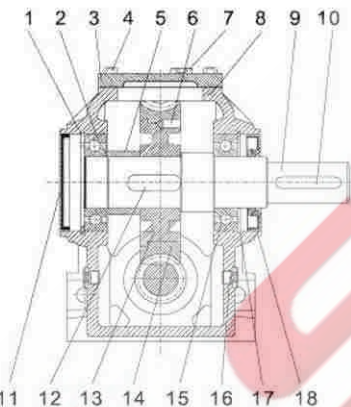
- 1.封盖 I
- 2.孔用挡圈 I
- 3.轴承 I
- 4.输出轴
- 5.平键 I
- 6.齿轮 III
- 7.轴套 III
- 8.轴承 II
- 9.孔用挡圈 II
- 10.输出轴油封
- 11.平键 II
- 12.封盖 II
- 13.孔用挡圈 III
- 14.轴承 III
- 15.平键 III
- 16.弧齿锥齿轮
- 17.齿轮轴 III
- 18.轴承 IV
- 19.孔用挡圈 IV
- 20.封盖 III
- 21.通气帽

- 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

五. S系列结构图

S series structural drawing



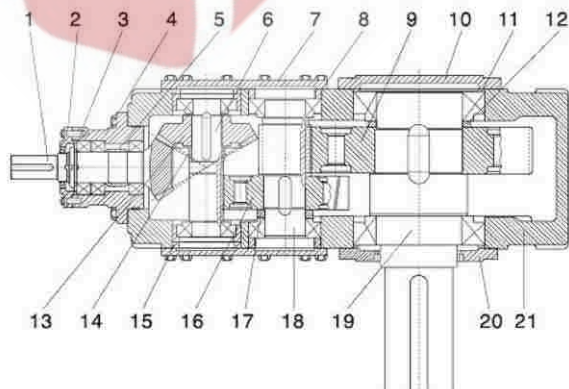
- 9.Output shaft
- 10.Parallel key I
- 11.Cover I
- 12.Parallel key II
- 13.Worm wheel core
- 14.Worm wheel edge
- 15.Bearing II
- 16.Oil sight glass
- 17.Circlip II
- 18.Output shaft seal
- 19.Cover II
- 20.Circlip III
- 21.Bearing III
- 22.Worm
- 23.Circlip I
- 24.Parallel key III
- 25.Bearing IV
- 26.Parallel key IV
- 27.Gear I
- 28.Circlip II
- 29.Input gear
- 30.Motor seal
- 31.Motor bearing
- 32.Motor

- 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

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：d II BT4（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:
IP44 or IP54 (specification of IP54, IP55, IP56, IP65 should be 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:
d II BT4 (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

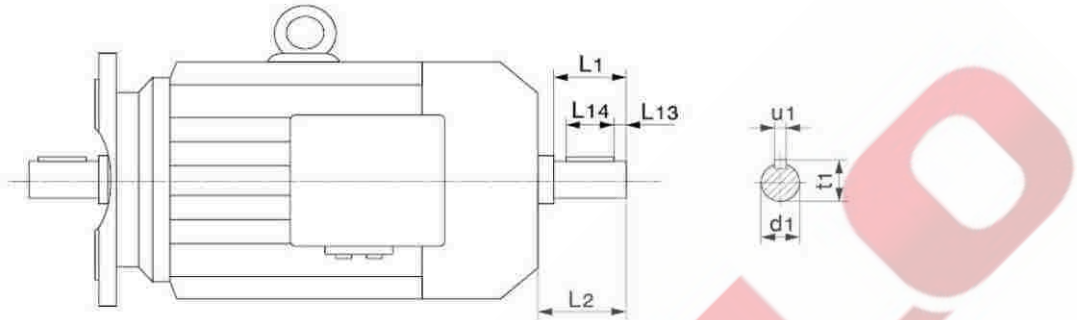
YD — Multi-speed motor

YPEJ — Frequency-conversion brake motor

Other codes are available on request.

电机双出轴：

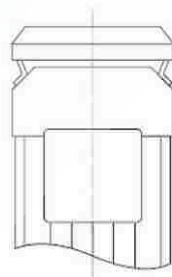
Double extended shaft motor:



	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。

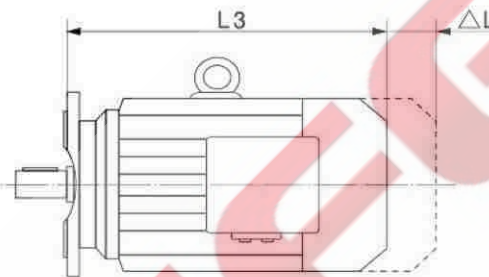
一般情况下Y132以下机座的普通三相异步电机以Y2系列提供，Y132以上以Y系列提供，以实际供货为准。

电机功率和转速、长度尺寸表：

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.

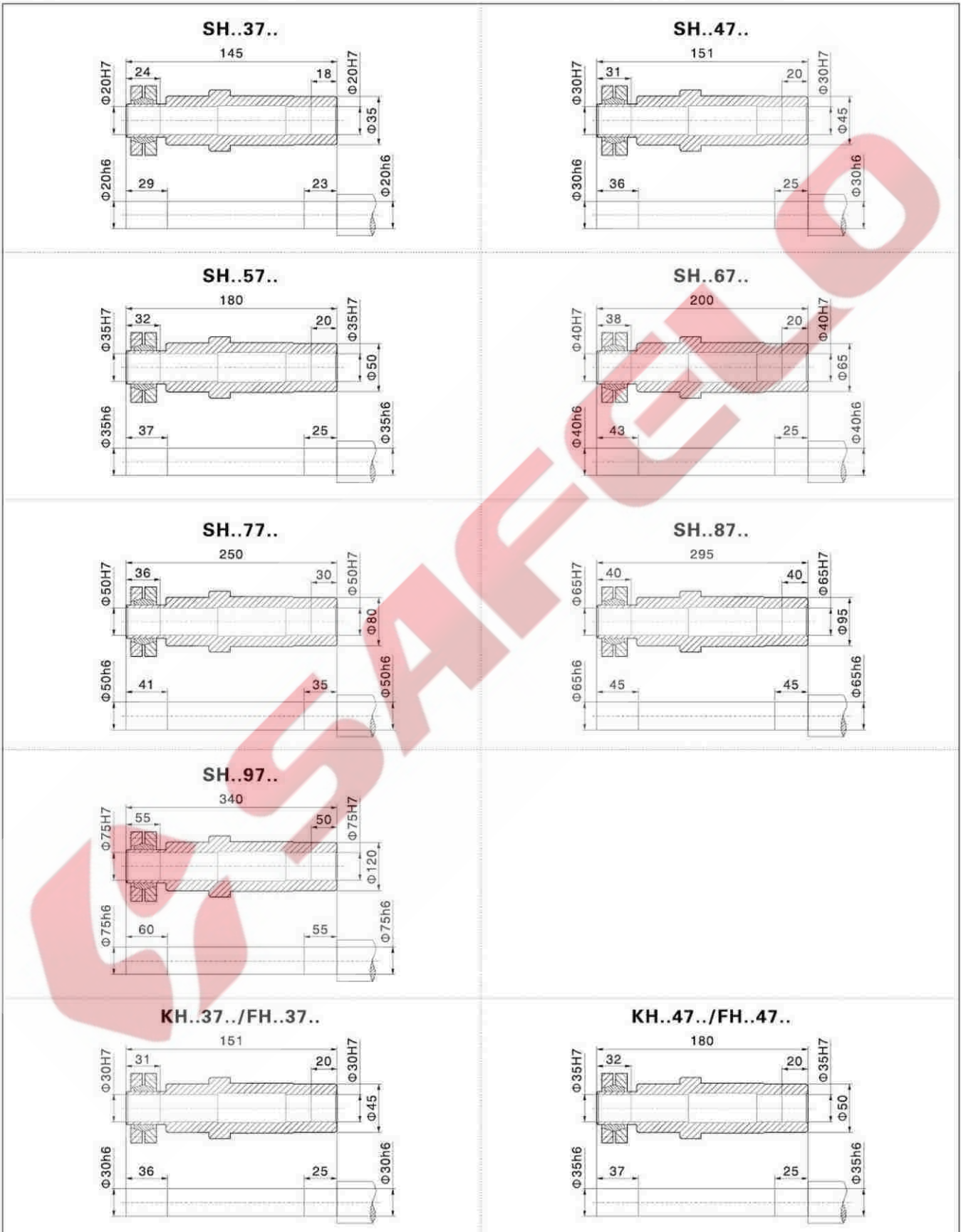
General 3-phase asynchronous motor belowsize 132 are provided as Y2 series, Type of motors above size 132 willbe provided as Y series.

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 ΔL	
	Pm (kW)	n _m (r pm)	Pm (kW)	n _m (r pm)	Pm (kW)	n _m (r pm)	Pm (kW)	n _m (r pm)	(铝壳)	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	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					
			200	1480	132	980				1240	1600	1420	1200	1200	1270		1450	

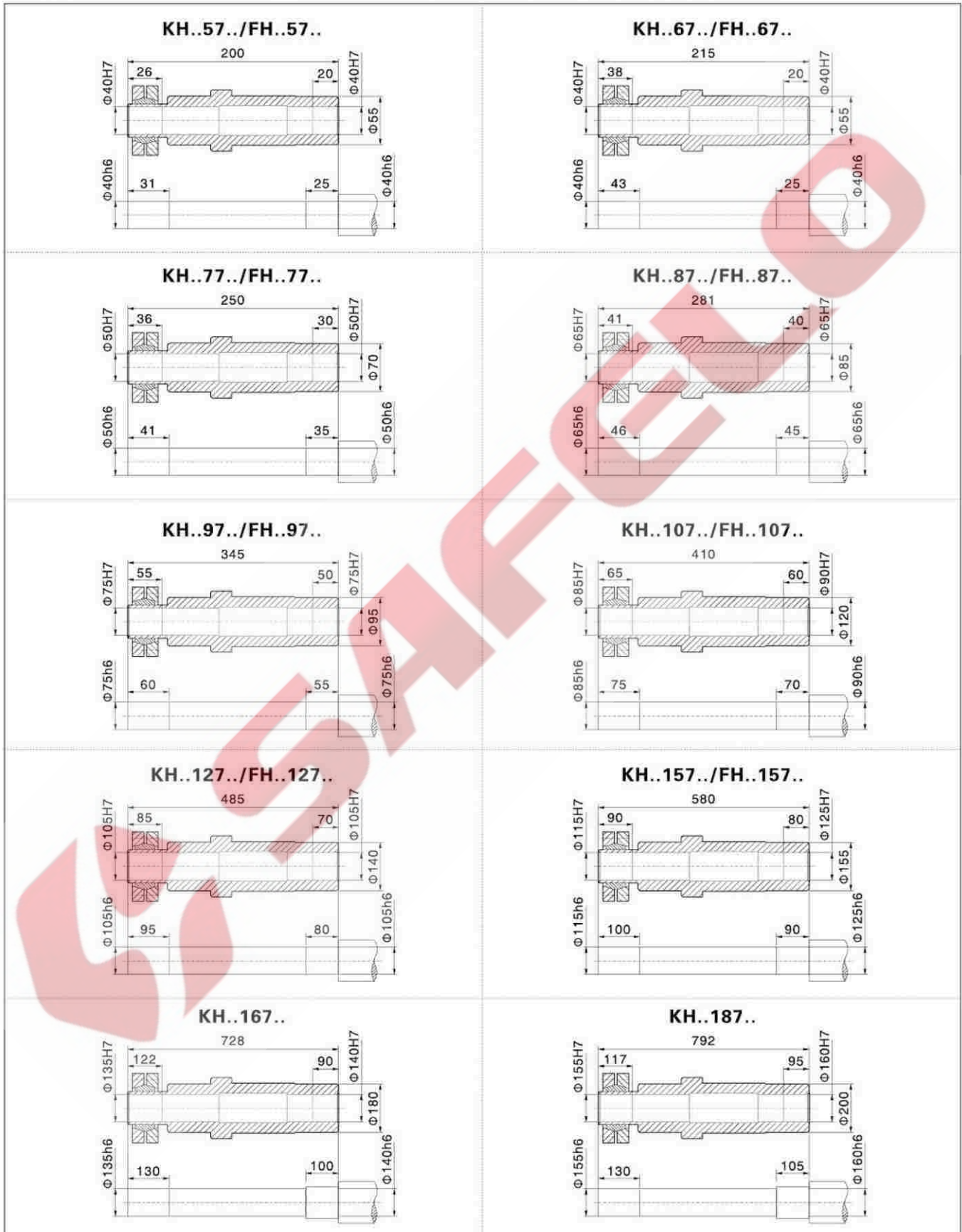
S、F、K系列锁紧盘尺寸图 **Dimensions of shrink disk for S、F、K series**



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



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。

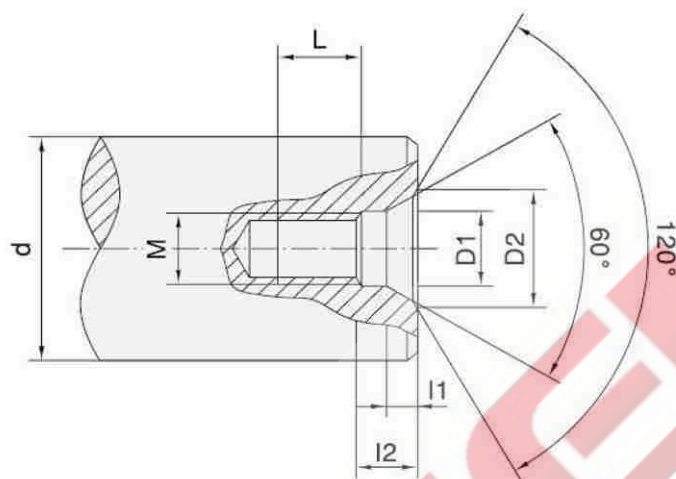
Note: 1. Except the output shaft, the main four series gear units with shrink disk are the same as the standard ones with hollow shafts with flat key.

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):



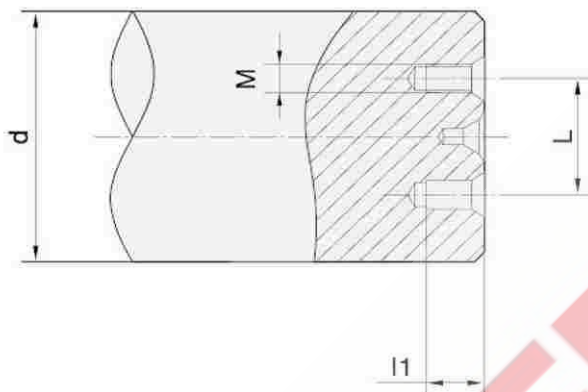
d	M	L	l2	l1	D1	D2
7 < d ≤ 10	M3	10	2.6	1.8	3.2	5.8
10 < d ≤ 13	M4	10	3.2	2.1	4.3	7.4
13 < d ≤ 16	M5	10	4	2.4	5.3	8.8
16 < d ≤ 21	M6	12	5	2.8	6.4	10.5
21 < d ≤ 24	M8	12	6	3.3	8.4	13.2
24 < d ≤ 30	M10	15	7.5	3.8	10.5	16.3
30 < d ≤ 38	M12	20	9.5	4.4	13	19.8
38 < d ≤ 50	M16	25	12	5.2	17	25.3
50 < d ≤ 85	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				轴端双螺孔 Double screw hole in shaft end			
d	M	l1	L	d	M	l1	L
40 < d ≤ 45	M8	12	20	150 < d ≤ 165	M12	20	120
45 < d ≤ 50	M8	12	22	165 < d ≤ 180	M16	28	130
50 < d ≤ 60	M10	18	26	180 < d ≤ 210			160
60 < d ≤ 70			36	210 < d ≤ 230			160
70 < d ≤ 80			50	230 < d ≤ 280	180		
80 < d ≤ 100			60	280 < d ≤ 290	190		
100 < d ≤ 110			70	290 < d ≤ 310	220		
110 < d ≤ 120	M12	20	80	310 < d ≤ 330	M24	45	230
120 < d ≤ 130			85	330 < d ≤ 340			240
130 < d ≤ 140			90	d > 340			250
140 < d ≤ 150			110				

注：轴端双螺孔时，订货时需特殊说明。

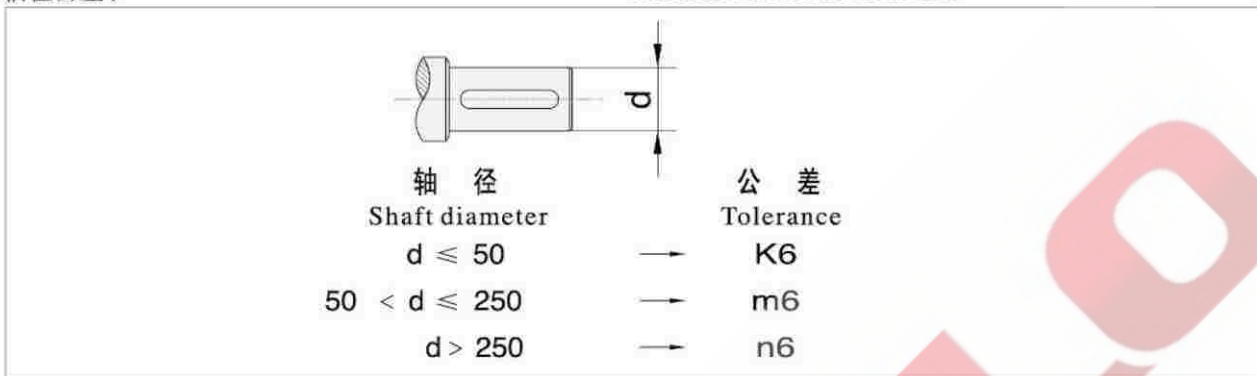
Note: If two holes in shaft-end are necessary, please make a specification for it when placing an order.

输出、输入部分公差标准:

Tolerance for input and output parts:

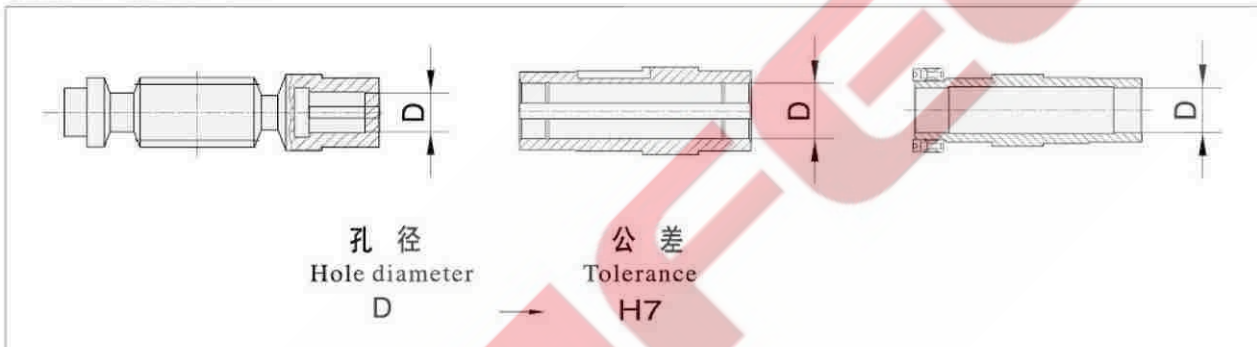
轴径公差:

Tolerance for shaft diameter:



蜗杆、空心轴孔径公差:

Worm, hollow shaft diameter tolerance:



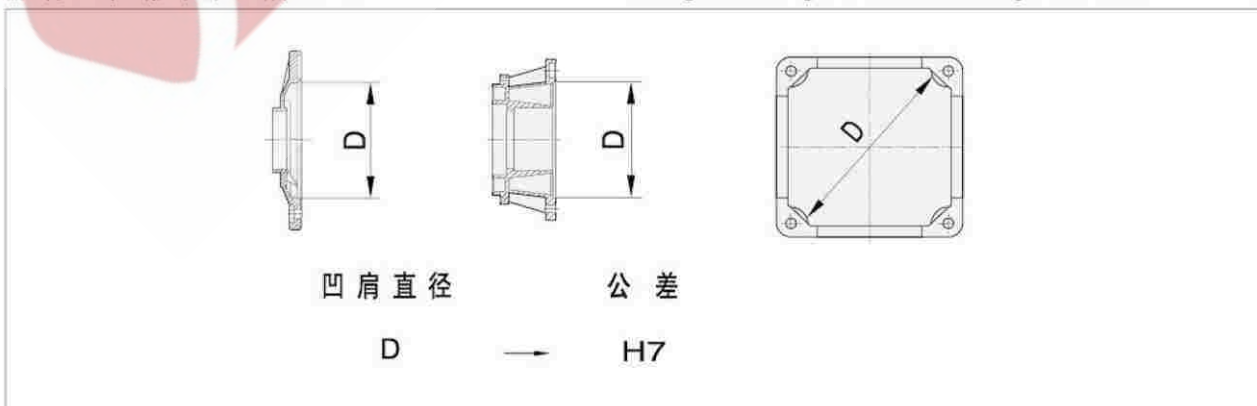
输出法兰凸肩和螺母公差:

Nut, flange protruding step tolerance:



输出法兰、底座定位凹肩公差:

Flange, housing base concave step tolerance:

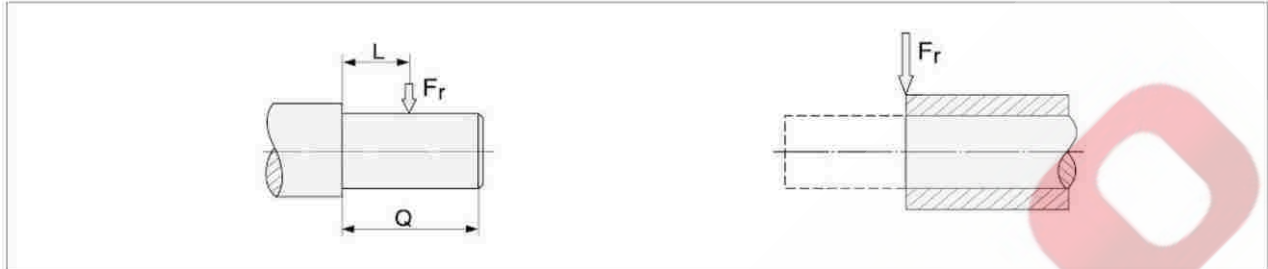


径向力Fr和轴向力Fa:

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:



$$Fr1 = \frac{T1 \times f \times Lf}{r}$$

$$Fr2 = \frac{T2 \times f \times Lf}{r}$$

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瑞德森标准声压值。

Noise:

Usershould offer permissible sound pressure maximum value(dB), if noise is greater than maximum value, please use cover of sound absorption. If requiring, REDSUN 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，瑞德森公司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 $n_2(\text{rpm})$:
- 输出扭矩 $T_2(\text{N} \cdot \text{m})$:
- 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 \leq
- 其它附件

Required parameter for motor selection

Reducer users should offer below detailed technical requirements, REDSUN 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 \leq
- 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。

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

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

其它要求:

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 REDSUN their diameter, centre distance and load direction.
- * If gear unit is connected with rigid coupling, user must tell REDSUN radial and axial load applied on shaft.

Ambient condition:

- Ambient temperature, open field, narrow field, ventilation condition:
- Special condition: high temperature, low temperature, dust, chemistry, direct sun, ice etc:

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.

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。焊接会造成精密齿轮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。
- 减速机应该放置于无振动的干燥木制基座上并遮盖好。当储存减速机 and 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，减速机和无级变速器工作环境温度不超过40摄氏度，温升低于40摄氏度。
- MB 无级变速器出厂时，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 无级变速器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。
- 备件一定要从瑞德森机械有限公司购买。

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。

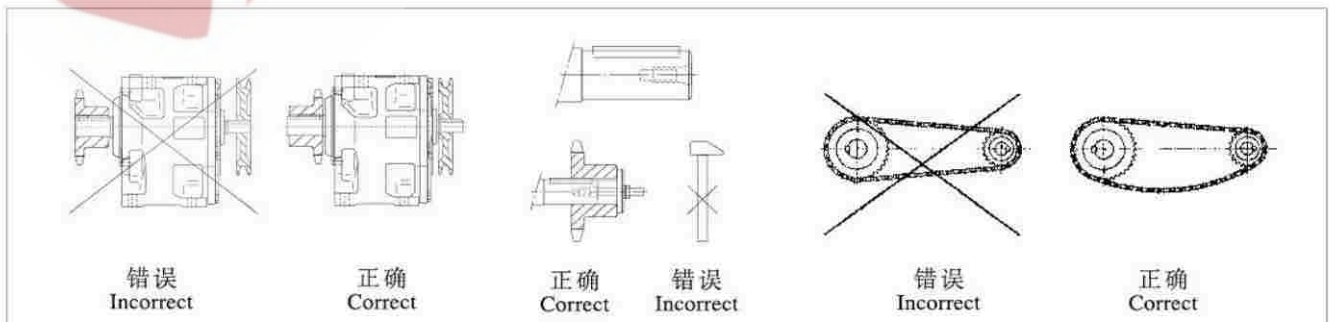
- Gear units and MB should run under permissible torque, safety devices should be equipped to avoid damage if load is larger permissible torque.
- Gear units and MB can run continuously and are permitted to rotate in both directions.
- If mounting position changes, the positions of breather screw, oil level, oil drain plug will be change with each other as usual.
- Spare parts must be purchased from REDSUN.

Installation and dismantlement

Installing gear units should avoid direct sunshine and heat concentration to guarantee smooth running.

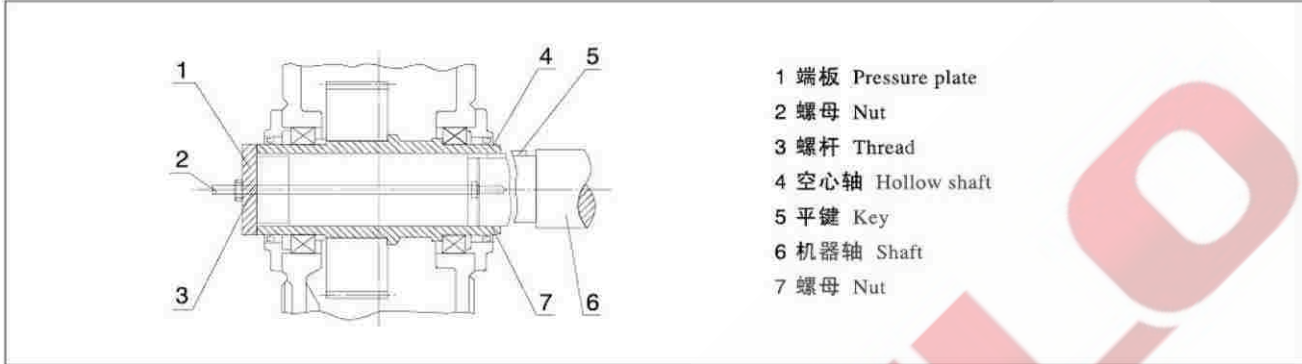
Installation of whole units

- 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.



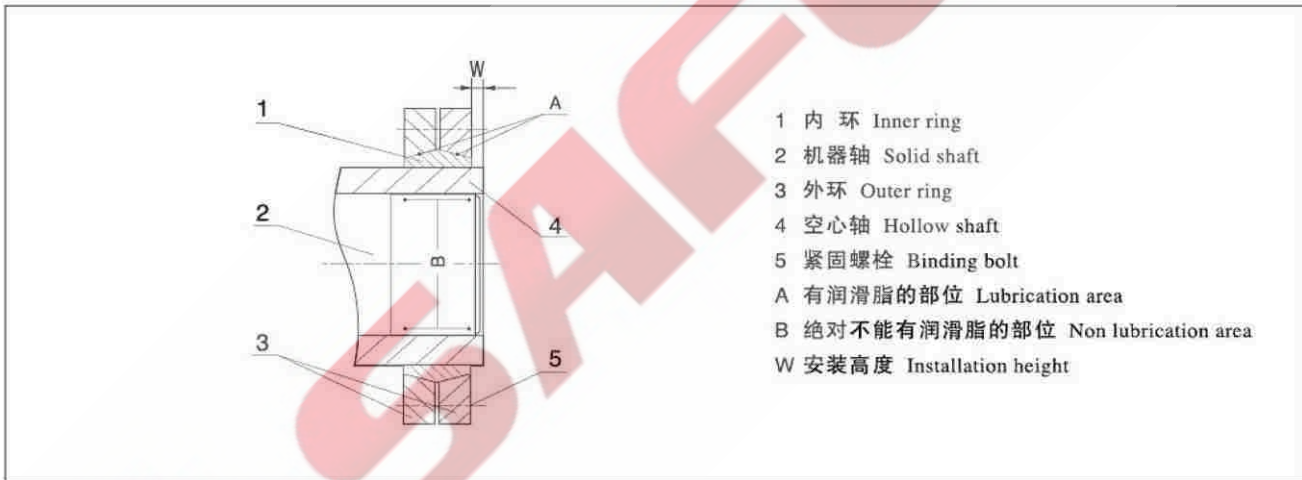
7) 空心轴与实心轴连接时，应清理干净并涂防锈油(空心轴一定要精密对中)。除了在图中所示的螺母和螺杆以外，还可以使用其它类型的装置例(如液压提升装置)。

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.



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涂有润滑脂。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.



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

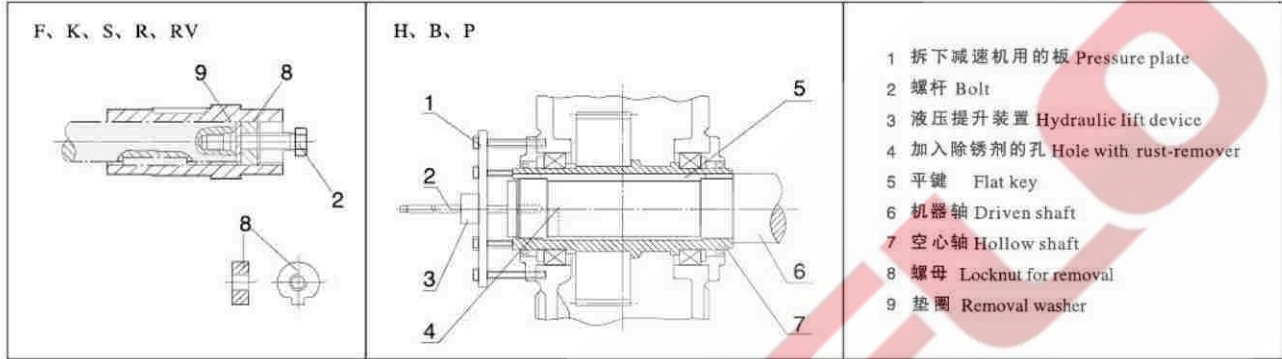
1) 空心轴的拆卸

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.



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. (Screw 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

润滑

1) 润滑油的选择：

Lubrication and cooling

Lubrication

1) Choosing lubrication oil, as following table:

系列 Series of reducer	环境温度 Ambient temperature				ISO粘度与NLGI相应 Adhesiveness of ISO and NLGI unitive	ESSE	Mobil	SHELL	GB 牌号 L-C K
	-50	0	+50	+100					
R, F, K, T, H, B, P	-25	0	+40	+80	VG220	SPARTAN EP 220	Mobil Glygoyle 30	Shell Tivela DiWS	N220
	-15	+25			VG150 VG100	SPARTAN EP 150	Mobilgear 630	Shell Omala O1220	N220
	-30	+10			VG68-46 VG32	ESSOATF D-21611	Mobilgear 629	Shell Omala O1 100	N150
	-20				VG22 VG15	UNIVIS J 13	Mobil D. T. E. 15M	Shell Tellus OI T 32	N68
RV, S	-45	0	+60		VG680		Mobil D. T. E. 11M	Shell Tellus OI T 15	N22
	0	+40			VG680	SPARTAN EP 680	Mobil Glygoyle HE 680		N680
	-15	+25			VG220	SPARTAN EP 220	Mobilgear 636	Shell Omala OI 680	N680
	-20	+10			VG150 VG100	SPARTAN EP 150	Mobilgear 630	Shell Omala OI 220	N220
JW	-25	+10			VG220		Mobil D. T. E. 18M	Shell Omala OI 100	N150
	-45-20				VG22 VG15	UNIVIS J 13	Mobil Glygoyle 30		N220
							Mobil D. T. E. 11M	Shell Tellus OI T 15	N22, N15

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。

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.

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。

Before screw jacks running, must lubricate screw threads with lubrication cream. Let threads get up to highest point and lubricate threads.

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。

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脏物清理干净。（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。

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

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 if the rotating components touch other ones.

Make sure that electric oil pump should start 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
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-faction	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

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