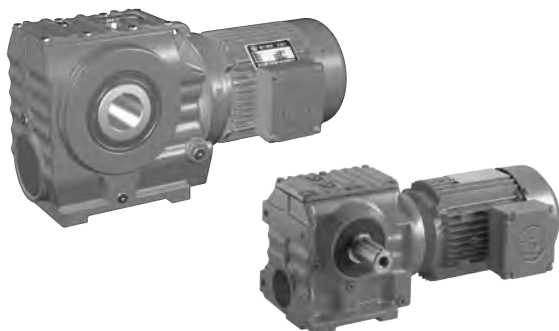
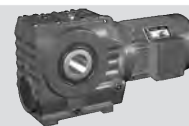
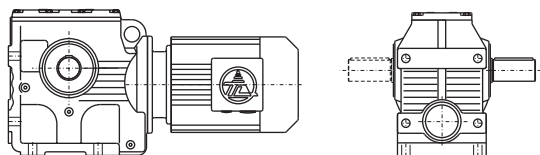


TS系列斜齿-蜗轮蜗杆减速机 TS Helical-worm gear units



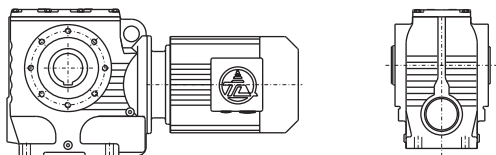
TS系列减速机有以下设计方案：

TS series gear units are available in the following designs:



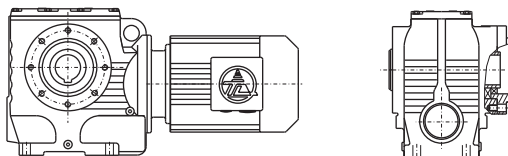
TS..Y..

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



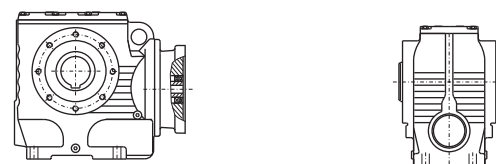
TSA...Y..

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



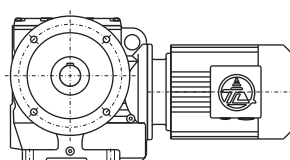
TSAZ...Y..

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



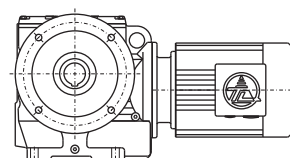
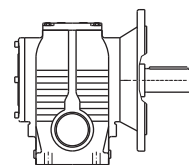
TSA (TS, TSF, TSAF, TSAZ) ...Y...

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



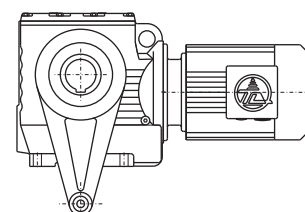
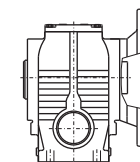
TSF...Y..

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



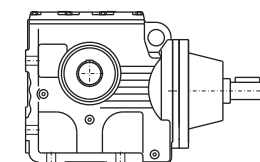
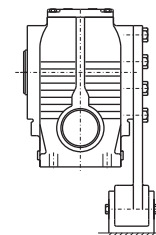
TSAF...Y..

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



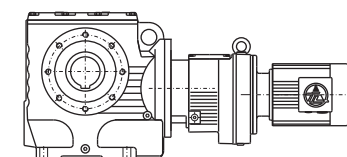
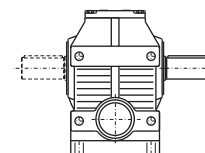
TSAT...Y..

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



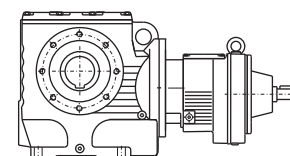
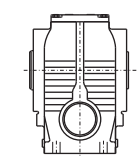
TS (TSF, TSA, TSAF, TSAZ) S...

轴输入的斜齿-蜗轮蜗杆减速机
Shaft input helical-worm gear units



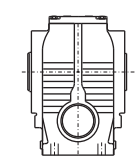
TSA (TS, TSF, TSAF, TSAZ) ...TR...Y...

组合式斜齿-蜗轮蜗杆减速机
Combinatorial helical-worm gear units

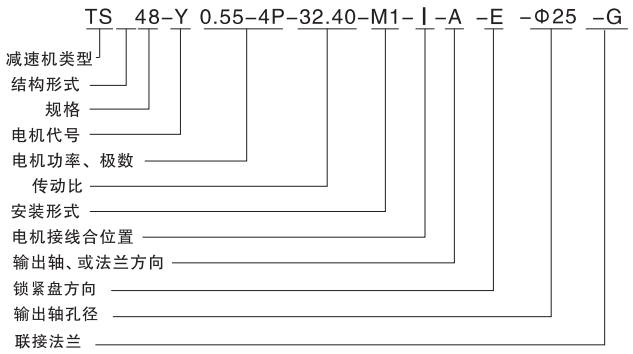
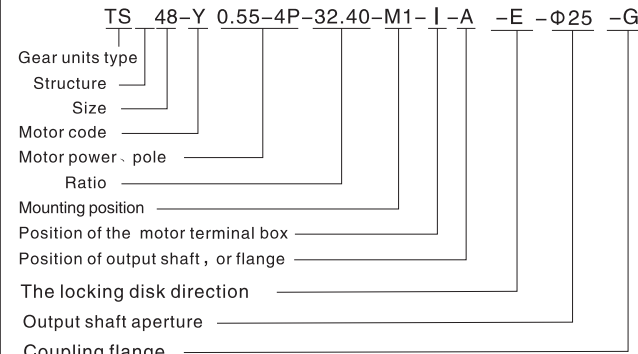


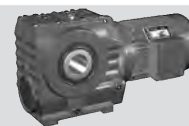
TSA (TS, TSF, TSAF, TSAZ) ...TRS...

轴输入的组式斜齿-蜗轮蜗杆减速机
Shaft input combinatorial helical-worm gear units

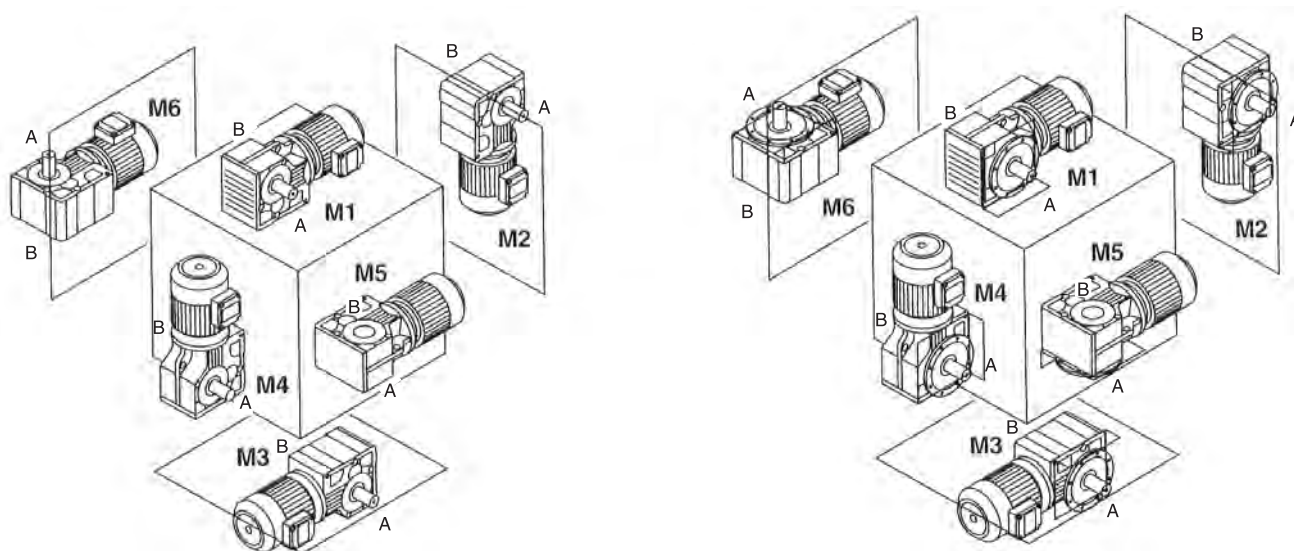


型号与标记 / Type Designations

	
减速机类型： 斜齿-蜗轮蜗杆减速机	Gear units type: Helical-worm gear units
结构形式：普通轴伸式（省略） 轴装式 A 轴伸法兰式 F 轴装法兰式 AF 轴装小法兰式 AZ 轴装带防转臂 AT 普通轴伸式，轴输入 S 普通轴装式，轴输入 AS 轴伸法兰式，轴输入 FS 轴装法兰式，轴输入 AFS 带锁紧盘式 H..(H, HF, HZ, HT)	Structure: Foot-mounted solid shaft output (-) Hollow shaft output A Flange-mounted solid shaft output F Flange-mounted hollow shaft output AF Short-flange-mounted hollow shaft output AZ Torque-arm-mounted hollow shaft output AT Foot-mounted solid shaft output, shaft input S Hollow shaft output, shaft input AS Flange-mounted solid shaft output, shaft input FS Flange-mounted hollow shaft output, shaft input AFS Hollow shaft output with shrink disk H..(H, HF, HZ, HT)
规格： (见选型参数表)	Size: (see selection table)
电机代号： 普通(更新) Y(Y2) 防爆 B 直流 Z 制动 E 多速 D 变频 V 分马力 F 增安 A 电磁调速 C 冶金起重 R 变频制动 VE 辊道 G 自配电机 ZP	Motor code: Ordinary(renew) Y(Y2) Flame-proof B Direct current Z Brake E Multi-speed D Variable frequency V Power-divided F Ampere-increased A Electromagnetism speed modulation C Hoisting in metallurgy R Variable frequency and brake VE Roller tables G With built-in motor ZP
电机功率、极数： (见选型参数表)	Motor power、pole： (see selection table)
传动比： (见选型参数表)	Ratio: (see selection table)
安装形式： M1、M2、M3、M4、M5、M6 (见第TS-03页)	Mounting position: M1、M2、M3、M4、M5、M6(see page TS-03)
电机接线盒位置： I、II、III、IV、V、VI、VII、VIII (见第TS-03页)	Position of the motor terminal box: I、II、III、IV、V、VI、VII、VIII (see page TS-03)
输出轴或法兰方向(锁紧盘)： 从电机尾部看左边为 A (E) 从电机尾部看右边为 B (F) (见安装形式) 从电机尾部看左右边为 A+B	Position of output shaft or flange (The locking disk) : viewing on motor end:left side -A, right side-B,both sides-A+B(see mounting position)
输出轴孔径： (见安装尺寸图)带实心轴输出时省略 联接法兰：配标准电机时用，直联电机省略	Output shaft aperture: (see the chart of mouting dimension) It will be omitted when solid output shaft



安装形式 Mounting position



TS
03

电机接线盒位置 (M1安装时, 从电机尾部看) Position of the motor terminal box



输入功率及最大转矩* Input power rating and maximum torque

规格 Size	38	48	58	68	78	88	98
结构形式 Structure	TS TSA TSF TSAF TSAT TSAZ						
输入功率(kW) Input power rating	0.18~0.75	0.18~1.5	0.18~3	0.25~5.5	0.55~7.5	0.75~15	1.5~22
传动比 Ratio	10.27~152	11.46~244.74	10.78~196.21	11.55~227.20	9.96~241.09	11.83~222	12.75~230.48
最大转矩*(N.m) Maximum torque	90	170	295	520	1270	2280	4000

*) 最大转矩系指该规格不同传动比对应的最大转矩中的最大值。

*) Maximum torque means the biggest one of the maximum torque related to the different ratio for the specified size.

减速机重量

Gear unit weight

规格 Size	38	48	58	68	78	88	98
重量 (kg) Weight	9.5	15.5	16	33.5	53	100	170

所注重量为平均值, 仅供参考

The weights are mean values, only for reference.

TS

04

润滑油量表

Lubrication table

TS...:

规格 Size	润滑油量 (升)			Fill quantity in liters		
	M1	M2	M3 ¹⁾	M4	M5	M6
TS38	0.5	0.7	0.7	0.9	0.7	0.7
TS48	0.7	1	1	1.1	1	1
TS58	1.1	1.6	1.6	1.7	1.4	1.4
TS68	2	3.2	3.3/3.9	3.5	3.1	3.1
TS78	3.9	6.3	6.5	7.3	5.8	5.8
TS88	8.8	12.5	13.5	14.4	11	11
TS98	17	19.1	17/21.5	26.8	22	22

TSF...:

规格 Size	润滑油量 (升)			Fill quantity in liters		
	M1	M2	M3 ¹⁾	M4	M5	M6
TSF38	0.5	0.7	0.7	0.9	0.7	0.7
TSF48	0.72	1	1.1	1.2	1	1
TSF58	1.1	1.6	1.6	1.7	1.5	1.5
TSF68	2	3.2	3.3/3.8	3.5	3.1	3.1
TSF78	3.9	6.3	6.5	7.3	5.8	5.8
TSF88	8.8	12.5	13.5	14.4	11	11
TSF98	17	19.1	17.2/22.2	26.8	22	22

TSA..., TSAF..., TSAZ...:

规格 Size	润滑油量 (升)			Fill quantity in liters		
	M1	M2	M3 ¹⁾	M4	M5	M6
TS..38	0.5	0.7	0.7	0.9	0.7	0.7
TS..48	0.72	1	1	1.1	1	1
TS..58	1.1	1.6	1.6	1.7	1.4	1.4
TS..68	2	3.2	3.3/3.4	3.5	3.1	3.1
TS..78	3.8	6.3	6.5	7.3	5.8	5.8
TS..88	8.8	12.5	13.5	14.4	11	11
TS..98	17	18.2	14.8/19.4	26.8	22	22

注: 1) 表示减速机为组合型时低速级所加油量为大值。

Notes: 1) The large gear unit of multi-stage gear units must be filled with the larger oil volume.

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	服务系数 Service factor f _s	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	服务系数 Service factor f _s	机 型 号 Type Type	极 数 Pole p
0.18kW						0.18kW					
0.40	2838	3483	0.76			15	67	90.00	2.19		
0.47	2385	2928	0.90	TS 88TR58	4	18	57	76.88	2.78	TS 48	4
0.59	1688	2369	1.28	TSF 88TR58	4	19	53	72.00	2.77	TSF 48	4
0.67	1481	2078	1.46	TSA 88TR58	4	20	59	68.63	2.65	TSA 48	4
0.75	1320	1852	1.64	TSAF88TR58	4	23	45	60.65	3.27	TSAF48	4
0.84	1350	1657	1.60								
0.98	1174	1412	1.00			11	96	129.41	0.89		
1.1	1018	1224	1.15			12	83	111.58	1.00		
1.3	782	1098	1.50	TS 78TR38	4	13	77	104.00	1.07		
1.5	796	957	1.47	TSF 78TR38	4	15	67	90.91	1.21		
1.7	698	840	1.68	TSA 78TR38	4	16	63	85.22	1.28		
2.0	591	711	1.99	TSAF78TR38	4	18	56	75.20	1.42		
2.2	533	641	2.21			21	49	66.67	1.58		
2.4	479	576	2.45			25	42	56.67	1.83		
						26	39	52.80	1.94		
						27	45	52.00	1.71		
1.9	595	716	0.83			31	39	45.45	1.97		
2.3	512	616	0.96	TS 68TR38	4	33	37	42.61	2.02	TS 38	4
2.6	450	541	1.09	TSF 68TR38	4	37	33	37.60	2.24	TSF 38	4
3.0	333	467	1.48	TSA 68TR38	4	42	29	33.33	2.48	TSA 38	4
3.3	301	423	1.64	TSAF68TR38	4	49	25	28.33	2.85	TSAF38	4
3.8	305	367	1.61			53	23	26.40	3.05		
3.2	307	431	0.91			59	23	23.46	3.01		
3.6	324	390	0.86			69	20	20.22	2.47		
4.2	276	332	1.01	TS 58TR18	4	74	19	18.85	3.55		
4.8	239	288	1.17	TSF 58TR18	4	84	16	16.48	3.08		
5.2	191	268	1.46	TSA 58TR18	4	90	15	15.45	3.16		
6.0	192	231	1.45	TSAF58TR18	4	102	13	13.63	3.58		
6.9	168	202	1.66			115	12	12.08	3.80		
7.4	157	189	1.78			135	10	10.27	4.56		
						145	9	9.57	4.96		
4.7	210	295	0.76	TS 48TR18	4	0.25kW					
5.4	213	256	0.75	TSF 48TR18	4	0.59	2345	2369	0.92		
6.1	190	229	0.85	TSA 48TR18	4	0.67	2057	2078	1.05	TS 88TR58	4
6.8	169	203	0.95	TSAF48TR18	4	0.75	1833	1852	1.18	TSF 88TR58	4
						0.84	1875	1657	1.15	TSA 88TR58	4
3.7	230	227.20	2.14	TS 68	6	1.1	1308	1322	1.65	TSAF88TR58	4
4.1	207	205.11	2.38	TSF 68	6	1.4	1011	1022	2.14		
4.7	182	180.46	2.71	TSA 68	6						
5.0	172	170.40	2.87	TSAF68	6	1.5	1105	957	1.06		
						1.7	970	840	1.21	TS 78TR38	4
4.3	238	196.21	1.17	TS 58	6	2	821	711	1.43	TSF 78TR38	4
4.7	219	180.40	1.27	TSF 58	6	2.2	740	641	1.59	TSA 78TR38	4
5.5	187	154.35	1.49	TSA 58	6	2.4	665	576	1.77	TSAF78TR38	4
6.4	162	133.79	1.72	TSAF58	6	2.8	583	505	2.02		
7.1	146	196.21	1.91	TS 58	4	2.6	625	541	0.79		
7.7	134	180.40	2.09	TSF 58	4	3	462	467	1.06	TS 68TR38	4
9.0	115	154.35	2.43	TSA 58	4	3.3	419	423	1.17	TSF 68TR38	4
10	99	133.79	2.83	TSAF58	4	3.8	424	367	1.16	TSA 68TR38	4
						4.4	316	319	1.56	TSAF68TR38	4
5.1	170	168.00	0.93			4.9	324	281	1.52		
5.7	152	150.00	1.05	TS 48	6						
5.8	178	146.84	0.89	TSF 48	6	4.8	333	288	0.84		
6.2	167	137.25	0.95	TSA 48	6	5.2	265	268	1.05	TS 58TR18	4
7.2	144	118.64	1.10	TSAF48	6	6	267	231	1.04	TSF 58TR18	4
						6.9	233	202	1.20	TSA 58TR18	4
5.7	151	244.74	1.06			7.4	218	189	1.28	TSAF58TR18	4
6.1	141	228.75	1.14			8.3	193	167	1.45		
7.0	122	197.73	1.32	TS 48	4	10	155	134	1.80		
8.3	104	168.00	1.53	TSF 48	4						
9.3	93	150.00	1.71	TSA 48	4						
9.5	109	146.84	1.46	TSAF48	4						
10	102	137.25	1.56								
12	88	118.64	1.80								
14	75	100.80	2.11								

TS
05

TS

06

输出转速	输出扭矩	传动比	服务系数	机 型 号	极 数	输出转速	输出扭矩	传动比	服务系数	机 型 号	极 数		
Output speed	Output torque	Ratio	Service factor	Type	Pole	Output speed	Output torque	Ratio	Service factor	Type	Pole		
r/min	Nm	i	f _B	Type	p	r/min	Nm	i	f _B	Type	p		
0.25kW						0.25kW							
2.8	420	227.20	1.17	TS 68 TSF 68 TSA 68 TSAF68	8	53	32	26.40	2.19	TS 38 TSF 38 TSA 38 TSAF38	4		
3.1	380	205.11	1.30		8	59	32	23.46	2.16				
3.6	334	180.46	1.47		8	69	28	20.22	1.76				
3.8	315	170.40	1.56		8	74	26	18.85	2.59				
4.5	320	144.00	1.54		8	84	23	16.48	2.14				
3.7	319	227.20	1.54	TS 68 TSF 68 TSA 68 TSAF68	6	90	21	15.45	2.26				
4.1	288	205.11	1.71		6	102	19	13.63	2.45				
4.7	253	180.46	1.95		6	115	17	12.08	2.68				
5	239	170.40	2.06		6	135	14	10.27	3.25				
5.9	243	144.00	2.03		6	145	13	9.57	3.43				
0.37kW						0.37kW							
6.1	195	227.20	2.53	TS 68 TSF 68 TSA 68 TSAF68	4	0.75	2713	1852	0.79	TS 88TR58 TSF 88TR58 TSA 88TR58 TSAF88TR58	4		
6.8	176	205.11	2.80			0.84	2775	1657	0.78				
7.7	155	180.46	3.18			1.1	1936	1322	1.11				
8.2	146	170.40	3.38			1.4	1497	1022	1.44				
9.7	148	144.00	3.33			1.6	1456	852	1.48				
11	134	130.00	3.68			TS 58 TSF 58 TSA 58 TSAF58	6	2	1215			711	0.96
12	118	114.38	4.18					2.2	1095			641	1.07
13	111	108.00	4.45	2.4	984			576	1.19				
4.3	331	196.21	0.84	2.8	863			505	1.36				
4.7	304	180.40	0.92	3.2	630			430	1.86				
5.5	260	154.35	1.07	3.6	568			388	2.07				
6.4	225	133.79	1.24	TS 68TR38 TSF 68TR38 TSA 68TR38 TSAF68TR38	4			3.8	627	367	0.78		
6.8	211	125.05	1.32			4.4	467	319	1.05				
7.1	202	196.21	1.38			4.9	480	281	1.02				
7.7	186	180.40	1.50			5.6	422	247	1.17				
9	159	154.35	1.76			TS 88 TSF 88 TSA 88 TSAF88	8	2	870	329.81	2.48		
10	138	133.79	2.03					2.3	771	292.50	2.80		
11	129	125.05	2.17					2.3	839	289.22	2.58		
13	111	108.09	2.52	2.6	744			256.50	2.88				
15	95	91.84	2.95	2.7	648			245.87	3.23				
17	84	82.00	3.33	3.1	625			215.61	3.26				
7	170	197.73	0.95	3.4	626			198.00	3.18				
8.3	144	168.00	1.10	4	527	166.43	3.71						
9.3	129	150.00	1.23	TS 78 TSF 78 TSA 78 TSAF78	8	2.8	763	241.09	1.58				
9.5	151	146.84	1.05			3.3	652	206.04	1.85				
10	141	137.25	1.13			3.5	598	188.89	2.01				
12	122	118.64	1.30			4	524	165.75	2.30				
14	104	100.80	1.52			4.3	497	157.08	2.40				
15	93	90.00	1.58			TS 68 TSF 68 TSA 68 TSAF68	6	3.9	454	227.20	1.08		
18	79	76.88	2.00					4.3	409	205.11	1.20		
19	74	72.00	1.98	4.9	360			180.46	1.37				
20	83	68.63	1.88	5.2	340			170.40	1.45				
23	62	60.65	2.37	6.1	345			144.00	1.43				
23	71	59.32	2.07	TS 68 TSF 68 TSA 68 TSAF68	4			6.1	289	227.20	1.70		
28	61	50.40	2.41					6.8	261	205.11	1.89		
31	54	45.00	2.72			7.7	229	180.46	2.15				
15	94	90.91	0.86			8.2	217	170.40	2.27				
16	88	85.22	0.91			9.7	220	144.00	2.24				
18	77	75.20	1.03			11	198	130.00	2.49				
21	69	66.67	1.12			12	174	114.38	2.83				
25	58	56.67	1.32	TS 58 TSF 58 TSA 58 TSAF58	6	6.6	320	133.79	0.87				
26	54	52.80	1.40			7.1	300	125.05	0.93				
27	63	52.00	1.22			8.2	259	108.09	1.08				
31	55	45.45	1.39			9.6	220	91.84	1.27				
33	51	42.61	1.47			11	196	82.00	1.42				
37	45	37.60	1.64										
42	40	33.33	1.80										
49	34	28.33	2.09										

选型参数表
Selection Table



输出转速	输出扭矩	传动比	服务系数	机 型 号	极 数	输出转速	输出扭矩	传动比	服务系数	机 型 号	极 数																
Output speed	Output torque	Ratio	Service factor	Type	Pole	Output speed	Output torque	Ratio	Service factor	Type	Pole																
r/min	Nm	i	f _B	Type	p	r/min	Nm	i	f _B	Type	p																
0.37kW						0.55kW																					
7.1	299	196.21	0.93	TS 58 TSF 58 TSA 58 TSAF58	4	2.8	1283	505	0.91	TS 78TR38 TSF 78TR38 TSA 78TR38 TSAF78TR38	4																
7.7	275	180.40	1.01			3.2	936	430	1.25																		
9	235	154.35	1.19			3.6	845	388	1.39																		
10	204	133.79	1.37			4.3	712	327	1.65																		
11	191	125.05	1.46			4.8	631	290	1.86																		
13	165	108.09	1.69			5.7	625	246	1.88																		
15	140	91.84	2.00			TS 68TR38 TSF 68TR38 TSA 68TR38 TSAF68TR38	4	5.6	627	247	0.78																
17	125	82.00	2.24					6.3	564	222	0.87																
20	107	70.04	2.57					7	505	199	0.97																
21	119	66.89	1.95					8.2	429	169	1.15																
21	100	65.60	2.70					2 2.3 2.3 2.6 3.1 3.4 4	1293 1146 1247 1106 964 930 931 783	329.81 292.50 289.22 256.50 245.87 215.61 198.00 166.43	1.67 1.89 1.73 1.94 2.17 2.19 2.14 2.49																
22	111	62.53	2.09									2.7	979	329.81	2.21												
12 14 15 18 19 20 23 23 28 31 36 39 46 50 54 62 73 82	181 154 137 117 110 122 92 106 90 80 68 64 54 56 53 46 39 35	118.64 100.80 90.00 76.88 72.00 68.63 60.65 59.32 50.40 45.00 38.44 36.00 30.33 27.74 25.93 22.41 19.04 17.00	0.87 1.03 1.07 1.35 1.33 1.28 1.60 1.38 1.63 1.84 2.16 2.30 2.72 2.57 1.97 2.97 2.67 2.98	TS 48 TSF 48 TSA 48 TSAF48	4 4 4 4	3	868					292.50	2.49	TS 88 TSF 88 TSA 88 TSAF88	8 8 8 8												
						31	80					45.00	1.84			3.1	944	289.22	2.29								
						36	68					38.44	2.16			3.5	837	256.50	2.56								
						39	64					36.00	2.30			3.6	730	245.87	2.87								
						46	54	30.33	2.72	4.1	704	215.61	2.90														
						50	56	27.74	2.57	4.5	705	198.00	2.82														
						54	53	25.93	1.97	3.3 3.5 4 4.3	969 888 780 739	206.04 188.89 165.75 157.08	1.24 1.35 1.54 1.61	TS 78 TSF 78 TSA 78 TSAF78	8 8 8 8												
						62	46	22.41	2.97							3.7	858	241.09	1.40								
						73	39	19.04	2.67							4.3	734	206.04	1.64								
						82	35	17.00	2.98							4.7	673	188.89	1.79								
						25 26 27 31 33 37 42 49 53 59 69 74 84 90 102 115 135 145	86 81 93 81 76 67 59 50 47 48 41 38 34 31 28 25 21 19	56.67 52.80 52.00 45.45 42.61 37.60 33.33 28.33 26.40 23.46 20.22 18.85 16.48 15.45 13.63 12.08 10.27 9.57	0.89 0.93 0.82 0.95 0.98 1.10 1.22 1.42 1.49 1.44 1.20 1.77 1.45 1.53 1.66 1.82 2.17 2.35							TS 38 TSF 38 TSA 38 TSAF38	4 4 4 4	5.6	559	157.08	2.14	TS 78 TSF 78 TSA 78 TSAF78	4 4 4 4				
																		26	81	52.80	0.93			6.7	467	206.04	2.58
										27	93	52.00	0.82	7.4	428			188.89	2.81								
										31	81	45.45	0.95	6.1 6.8 7.7 8.2 9.7 11 12 13 15 17 19 21	429 387 341 322 326 295 259 245 208 189 164 172			227.20 205.11 180.46 170.40 144.00 130.00 114.38 108.00 91.96 83.57 72.39 65.00	1.15 1.27 1.44 1.53 1.51 1.67 1.90 2.01 2.37 2.61 2.78 2.87								
										33	76	42.61	0.98							TS 68 TSF 68 TSA 68 TSAF68	4 4 4 4						
										37	67	37.60	1.10											TS 58 TSF 58 TSA 58 TSAF58	6 6 6 6		
										42	59	33.33	1.22									9.6 11 12.5 13 13.5 14 16 19 22 25	327 292 249 278 234 260 225 191 170 145			91.84 82.00 70.04 66.89 65.60 62.53 54.05 45.92 41.00 35.02	0.85 0.95 1.10 0.83 1.15 0.89 1.11 1.21 1.36 1.60
										49	50	28.33	1.42														
53	47	26.40	1.49	1.1 1.2 1.4 1.5 1.6 1.9 2.3 2.5 3.2	2878 2567 2225 2288 2164 1552 1322 1202 1100					1322 1179 1022 919 852 713 607 552 433	0.75 0.84 0.97 0.94 1.00 1.39 1.63 1.80 1.96																
59	48	23.46	1.44									TS 88TR58 TSF 88TR58 TSA 88TR58 TSAF88TR58	4 4 4 4														
69	41	20.22	1.20											1.1 1.2 1.4 1.5 1.6 1.9 2.3 2.5 3.2	2878 2567 2225 2288 2164 1552 1322 1202 1100			1322 1179 1022 919 852 713 607 552 433	0.75 0.84 0.97 0.94 1.00 1.39 1.63 1.80 1.96								
74	38	18.85	1.77																	TS 88TR58 TSF 88TR58 TSA 88TR58 TSAF88TR58	4 4 4 4						
84	34	16.48	1.45																			1.1 1.2 1.4 1.5 1.6 1.9 2.3 2.5 3.2	2878 2567 2225 2288 2164 1552 1322 1202 1100	1322 1179 1022 919 852 713 607 552 433	0.75 0.84 0.97 0.94 1.00 1.39 1.63 1.80 1.96		
90	31	15.45	1.53																							TS 88TR58 TSF 88TR58 TSA 88TR58 TSAF88TR58	4 4 4 4
102	28	13.63	1.66	1.1 1.2 1.4 1.5 1.6 1.9 2.3 2.5 3.2	2878 2567 2225 2288 2164 1552 1322 1202 1100					1322 1179 1022 919 852 713 607 552 433	0.75 0.84 0.97 0.94 1.00 1.39 1.63 1.80 1.96																
115	25	12.08	1.82									TS 88TR58 TSF 88TR58 TSA 88TR58 TSAF88TR58	4 4 4 4														
135	21	10.27	2.17											1.1 1.2 1.4 1.5 1.6 1.9 2.3 2.5 3.2	2878 2567 2225 2288 2164 1552 1322 1202 1100			1322 1179 1022 919 852 713 607 552 433	0.75 0.84 0.97 0.94 1.00 1.39 1.63 1.80 1.96								
145	19	9.57	2.35																	TS 88TR58 TSF 88TR58 TSA 88TR58 TSAF88TR58	4 4 4 4						
0.55kW						0.55kW																					
1.1	2878	1322	0.75			TS 88TR58 TSF 88TR58 TSA 88TR58 TSAF88TR58	4	9.6	327							91.84	0.85					TS 58 TSF 58 TSA 58 TSAF58	6				
1.2	2567	1179	0.84	11	292			82.00	0.95																		
1.4	2225	1022	0.97	12.5	249			70.04	1.10																		
1.5	2288	919	0.94	13	278			66.89	0.83																		
1.6	2164	852	1.00	13.5	234			65.60	1.15																		
1.9	1552	713	1.39	14	260			62.53	0.89																		
2.3	1322	607	1.63	16	225			54.05	1.11																		
2.5	1202	552	1.80	19	191			45.92	1.21																		
3.2	1100	433	1.96	22	170			41.00	1.36																		
0.55kW								0.55kW																			
1.1	2878	1322	0.75	TS 88TR58 TSF 88TR58 TSA 88TR58 TSAF88TR58	4			25	145	35.02	1.60	TS 58 TSF 58 TSA 58 TSAF58	6														
1.2	2567	1179	0.84					11	292	82.00	0.95																
1.4	2225	1022	0.97			12.5	249	70.04	1.10																		
1.5	2288	919	0.94			13	278	66.89	0.83																		
1.6	2164	852	1.00			13.5	234	65.60	1.15																		
1.9	1552	713	1.39			14	260	62.53	0.89																		
2.3	1322	607	1.63			16	225	54.05	1.11																		
2.5	1202	552	1.80			19	191	45.92	1.21																		
3.2	1100	433	1.96			22	170	41.00	1.36																		
0.55kW						0.55kW																					
1.1	2878	1322	0.75			TS 88TR58 TSF 88TR58 TSA 88TR58 TSAF88TR58	4	25	145	35.02	1.60			TS 58 TSF 58 TSA 58 TSAF58	6												
1.2	2567	1179	0.84					11	292	82.00	0.95																
1.4	2225	1022	0.97	12.5	249			70.04	1.10																		
1.5	2288	919	0.94	13	278			66.89	0.83																		
1.6	2164	852	1.00	13.5	234			65.60	1.15																		
1.9	1552	713	1.39	14	260			62.53	0.89																		
2.3	1322	607	1.63	16	225			54.05	1.11																		
2.5	1202	552	1.80	19	191			45.92	1.21																		
3.2	1100	433	1.96	22	170			41.00	1.36																		
0.55kW								0.55kW																			
1.1	2878	1322	0.75	TS 88TR58 TSF 88TR58 TSA 88TR58 TSAF88TR58	4			25	145	35.02	1.60	TS 58 TSF 58 TSA 58 TSAF58	6														
1.2	2567	1179	0.84					11	292	82.00	0.95																
1.4	2225	1022	0.97			12.5	249	70.04	1.10																		
1.5	2288	919	0.94			13	278	66.89	0.83																		
1.6	2164	852	1.00			13.5	234	65.60	1.15																		
1.9	1552	713	1.39			14	260	62.53	0.89																		
2.3	1322	607	1.63			16	225	54.05	1.11																		
2.5	1202	552	1.80			19	191	45.92	1.21																		
3.2	1100	433	1.96			22	170	41.00	1.36																		
0.55kW						0.55kW																					
1.1	2878	1322	0.75			TS 88TR58 TSF 88TR58 TSA 88TR58 TSAF88TR58	4	25	145	35.02	1.60			TS 58 TSF 58 TSA 58 TSAF58	6												
1.2	2567	1179	0.84					11	292	82.00	0.95																
1.4	2225	1022	0.97	12.5	249			70.04	1.10																		
1.5	2288	919	0.94	13	278			66.89	0.83																		
1.6	2164	852	1.00	13.5	234			65.60	1.15																		
1.9	1552	713	1.39	14	260			62.53	0.89																		
2.3	1322	607	1.63	16	225			54.05	1.11																		
2.5	1202	552	1.80	19	191			45.92	1.21																		
3.2	1100	433	1.96	22	170			41.00	1.36																		
0.55kW								0.55kW																			
1.1	2878	1322	0.75	TS 88TR58 TSF 88TR58 TSA 88TR58 TSAF88TR58	4			25	145	35.02	1.60	TS 58 TSF 58 TSA 58 TSAF58	6														
1.2	2567	1179	0.84					11	292	82.00	0.95																
1.4	2225	1022	0.97			12.5	249	70.04	1.10																		
1.5	2288	919	0.94			13	278	66.89	0.83																		
1.6	2164	852	1.00			13.5	234	65.60	1.15																		
1.9	1552	713	1.39			14	260	62.53	0.89																		
2.3	1322	607	1.63			16	225	54.05	1.11																		
2.5	1202	552	1.80			19	191	45.92	1.21																		
3.2	1100	433	1.96			22	170	41.00	1.36																		
0.55kW						0.55kW																					
1.1	2878	1322	0.75			TS 88TR58 TSF 88TR58 TSA 88TR58 TSAF88TR58	4	25	145	35.02	1.60			TS 58 TSF 58 TSA 58 TSAF58	6												
1.2	2567	1179	0.84					11	292	82.00	0.95																
1.4	2225	1022	0.97	12.5	249			70.04	1.10																		
1.5	2288	919	0.94	13	278			66.89	0.83																		
1.6	2164	852	1.00	13.5	234			65.60	1.15																		
1.9	1552	713	1.39	14	260			62.53	0.89																		
2.3	1322	607	1.63	16	225			54.05	1.11																		
2.5	1202	552	1.80	19	191			45.92	1.21																		
3.2	1100	433	1.96	22	170			41.00	1.36																		
0.55kW								0.55kW																			
1.1	2878	1322	0.75	TS 88TR58 TSF 88TR58 TSA 88TR58 TSAF88TR58	4			25	145	35.02	1.60	TS 58 TSF 58 TSA 58 TSAF58	6														
1.2	2567	1179	0.84					11	292	82.00	0.95																
1.4	2225	1022	0.97			12.5	249	70.04	1.10																		
1.5	2288	919	0.94			13	278	66.89	0.83																		
1.6	2164	852	1.00			13.5	234	65.60	1.15																		
1.9	1552	713	1.39			14	260	62.53	0.89																		
2.3	1322	607	1.63			16	225	54.05	1.11																		
2.5																											

**TS
08**

输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	服务系数 Service factor f _B	机 型 号 Type Type	极 数 Pole p
0.55kW					
9	350	154.35	0.80		
10	303	133.79	0.92		
11	283	125.05	0.99		
13	245	108.09	1.14		
15	208	91.84	1.34		
17	186	82.00	1.50		
20	159	70.04	1.73		
21	177	66.89	1.31		
21	149	65.60	1.81	TS 58	4
22	165	62.53	1.41	TSF 58	4
26	143	54.05	1.76	TSA 58	4
30	121	45.92	1.92	TSAF58	4
34	108	41.00	2.15		
40	93	35.02	2.50		
42	87	32.80	2.67		
46	91	30.12	2.55		
53	79	26.11	2.94		
57	74	24.40	3.14		
66	64	21.09	3.63		
18	174	76.88	0.91		
19	163	72.00	0.90		
20	182	68.63	0.86		
23	137	60.65	1.07		
23	157	59.32	0.93		
28	133	50.40	1.10		
31	119	45.00	1.23		
36	102	38.44	1.44	TS 48	4
39	95	36.00	1.55	TSF 48	4
46	80	30.33	1.84	TSA 48	4
50	84	27.74	1.71	TSAF48	4
54	78	25.93	1.33		
62	68	22.41	2.01		
73	58	19.04	1.80		
82	51	17.00	2.04		
96	44	14.52	2.37		
102	41	13.60	2.52		
121	35	11.46	2.95		
42	88	33.33	0.82		
49	75	28.33	0.95		
53	70	26.40	1.00		
59	71	23.46	0.97		
69	61	20.22	0.80	TS 38	4
74	57	18.85	1.18	TSF 38	4
84	50	16.48	0.98	TSA 38	4
90	47	15.45	1.01	TSAF38	4
102	41	13.63	1.13		
115	37	12.08	1.23		
135	31	10.27	1.47		
145	29	9.57	1.53		
0.75kW					
1.1	4264	1231	0.89		
1.3	3713	1072	1.02		
1.5	3266	943	1.16	TS 98TR58	4
1.7	2854	824	1.33	TSF 98TR58	4
2	2084	702	1.82	TSA 98TR58	4
2.2	2172	627	1.74	TSAF98TR58	4
2.6	1850	534	2.05		
2.9	1680	485	2.26		
0.75kW					
1.9	2117	713	1.02		
2.3	1802	607	1.20	TS 88TR58	4
2.5	1639	552	1.32	TSF 88TR58	4
3.2	1500	433	1.44	TSA 88TR58	4
4.3	1294	327	1.67	TSAF88TR58	4
4.3	971	327	1.21	TS 78TR38	4
4.8	861	290	1.36	TSF 78TR38	4
5.7	852	246	1.38	TSA 78TR38	4
6.4	748	216	1.57	TSAF78TR38	4
2.4	1490	283.04	2.55		
2.7	1342	254.80	2.83	TS 98	8
3	1456	230.48	2.60	TSF 98	8
3.3	1311	207.48	2.89	TSA 98	8
3.6	1187	187.89	3.13	TSAF98	8
2.8	1298	329.81	1.66		
3.1	1151	292.50	1.88		
3.1	1252	289.22	1.73	TS 88	6
3.5	1110	256.50	1.93	TSF 88	6
3.7	968	245.87	2.16	TSA 88	6
4.2	933	215.61	2.18	TSAF88	6
4.6	935	198.00	2.13		
5.5	786	166.43	2.48		
4.2	850	329.81	2.54		
4.8	754	292.50	2.87		
4.8	820	289.22	2.64	TS 88	4
5.4	727	256.50	2.95	TSF 88	4
5.7	633	245.87	3.31	TSA 88	4
6.4	611	215.61	3.34	TSAF88	4
7	612	198.00	3.25		
8.4	515	166.43	3.80		
3.8	1138	241.09	1.06	TS 78	6
4.4	973	206.04	1.23	TSF 78	6
4.8	892	188.89	1.35	TSA 78	6
5.5	783	165.75	1.54	TSAF78	6
5.8	745	241.09	1.61		
6.7	637	206.04	1.89		
7.4	584	188.89	2.06	TS 78	4
8.4	512	165.75	2.35	TSF 78	4
8.8	486	157.08	2.46	TSA 78	4
10	425	137.48	2.77	TSAF78	4
11	383	123.86	3.00		
13	336	108.65	3.39		
6.8	528	205.11	0.93		
7.7	465	180.46	1.06		
8.2	439	170.40	1.12		
9.7	445	144.00	1.11		
11	402	130.00	1.22		
12	354	114.38	1.39	TS 68	4
13	334	108.00	1.47	TSF 68	4
15	284	91.96	1.73	TSA 68	4
17	258	83.57	1.91	TSAF68	4
19	224	72.39	2.03		
21	234	65.00	2.11		
24	206	57.19	2.21		
26	195	54.00	2.43		
30	166	45.98	2.74		

选型参数表
Selection Table



输出转速	输出扭矩	传动比	服务系数	机 型 号	极 数	输出转速	输出扭矩	传动比	服务系数	机 型 号	极 数		
Output speed	Output torque	Ratio	Service factor	Type	Pole	Output speed	Output torque	Ratio	Service factor	Type	Pole		
r/min	Nm	i	f _B	Type	p	r/min	Nm	i	f _B	Type	p		
0.75kW						1.1kW							
13	331	70.04	0.83	TS 58 TSF 58 TSA 58 TSAF58	6	6.5	1089	216	1.08	TS 78TR38	4		
14	310	65.60	0.87		TSF 78TR38					4			
17	298	54.05	0.84		TSA 78TR38					4			
20	253	45.92	0.91		TSAF78TR38					4			
22	226	41.00	1.02										
13	334	108.09	0.83	TS 58 TSF 58 TSA 58 TSAF58	4	2.4	2186	283.04	1.73	TS 98 TSF 98 TSA 98 TSAF98	8		
15	284	91.84	0.98			2.7	1968	254.80	1.93		8		
17	253	82.00	1.10			3	2136	230.48	1.77		8		
20	217	70.04	1.26			3.3	1923	207.48	1.97		8		
21	241	66.89	0.96			3.6	1741	187.89	2.13		8		
21	203	65.60	1.33			3.2	1634	283.04	2.32	TS 98 TSF 98 TSA 98 TSAF98	6		
22	226	62.53	1.02			3.6	1471	254.80	2.58		6		
26	195	54.05	1.29			3.9	1596	230.48	2.38		6		
30	166	45.92	1.40			4.4	1437	207.48	2.64		6		
34	148	41.00	1.57			4.8	1301	187.89	2.86		6		
40	126	35.02	1.84			4.2	1237	329.81	1.75	TS 88 TSF 88 TSA 88 TSAF88	4		
42	118	32.80	1.97			4.8	1097	292.50	1.97				
46	124	30.12	1.87			4.8	1193	289.22	1.81				
53	108	26.11	2.15			5.5	1058	256.50	2.02				
57	101	24.40	2.30			5.7	922	245.87	2.27				
66	87	21.09	2.67			6.5	890	215.61	2.29				
78	74	17.92	2.15			7.1	891	198.00	2.23				
87	66	16.00	3.09			8.4	749	166.43	2.61				
102	56	13.67	2.85			9.2	689	152.95	2.75				
				10	611	135.83	3.04						
31	162	45.00	0.90	TS 48 TSF 48 TSA 48 TSAF48	4	5.8	1085	241.09	1.11	TS 78 TSF 78 TSA 78 TSAF78	4		
36	139	38.44	1.05			6.8	928	206.04	1.30				
39	130	36.00	1.13			7.4	850	188.89	1.41				
46	109	30.33	1.35			8.4	746	165.75	1.61				
50	114	27.74	1.26			8.9	707	157.08	1.69				
54	107	25.93	0.97			10	619	137.48	1.90				
62	92	22.41	1.48			11	558	123.86	2.06				
73	78	19.04	1.33			13	489	108.65	2.33				
82	70	17.00	1.49			14.6	432	95.88	2.57				
96	60	14.52	1.74			15.2	484	92.18	2.23				
102	56	13.60	1.84										
121	47	11.46	2.20										
74	78	18.85	0.86	TS 38 TSF 38 TSA 38 TSAF38	4	11	585	130.00	0.84	TS 68 TSF 68 TSA 68 TSAF68	4		
102	56	13.63	0.83			12	515	114.38	0.95				
115	50	12.08	0.91			13	486	108.00	1.01				
135	42	10.27	1.08			15	414	91.96	1.19				
145	39	9.57	1.14			17	376	83.57	1.31				
						19	326	72.39	1.39				
1.1kW						22	341	65.00	1.44				
1.7	4156	824	0.91	TS 98TR58 TSF 98TR58 TSA 98TR58 TSAF98TR58	4	22	284	63.00	1.60				
2	3035	702	1.25			24	300	57.19	1.52				
2.2	3163	627	1.20			26	284	54.00	1.67				
2.6	2693	534	1.41			30	241	45.98	1.89				
2.9	2446	485	1.55			34	219	41.79	2.08				
3.3	2118	420	1.79			39	190	36.20	2.40				
2.3	2624	607	0.82	TS 88TR58 TSF 88TR58 TSA 88TR58 TSAF88TR58	4	44	165	31.50	2.76				
2.5	2387	552	0.90			53	158	26.40	2.88				
2.9	2071	479	1.04			20	315	70.04	0.87	TS 58 TSF 58 TSA 58 TSAF58	4		
3.2	2184	433	0.99			21	295	65.60	0.91				
3.8	1613	373	1.34			26	284	54.05	0.88				
4.3	1885	327	1.14			30	241	45.92	0.96				
5.1	1387	275	1.56			34	215	41.00	1.08				
5.4	1296	257	1.45			40	184	35.02	1.26				
6.3	1280	222	1.46			43	172	32.80	1.35				
6.8	1044	207	1.80			54	157	26.11	1.48				
						57	146	24.40	1.59				
						66	127	21.09	1.83				
						78	108	17.92	1.47				

TS
09

输出转速	输出扭矩	传动比	服务系数	机 型 号	极 数	输出转速	输出扭矩	传动比	服务系数	机 型 号	极 数								
Output speed	Output torque	Ratio	Service factor	Type	Pole	Output speed	Output torque	Ratio	Service factor	Type	Pole								
r/min	Nm	i	f _B	Type	p	r/min	Nm	i	f _B	Type	p								
1.1kW						1.5kW													
88	96	16.00	2.12	TS 58	4	7.1	1215	198.00	1.64	TS 88 TSF 88 TSA 88 TSAF88	4								
102	82	13.67	1.94	TSF 58	4	8.4	1022	166.43	1.91										
109	77	12.80	2.07	TSA 58	4	9.2	939	152.95	2.02										
130	65	10.78	2.47	TSAF58	4	10	834	135.83	2.23										
						12	745	121.44	1.92										
46	159	30.33	0.92	TS 48 TSF 48 TSA 48 TSAF48	4	13	670	109.19	2.66	TS 78 TSF 78 TSA 78 TSAF78	4								
50	167	27.74	0.86			15	582	94.77	2.61										
62	135	22.41	1.01			7.4	1160	188.89	1.04										
74	114	19.04	0.91			8.4	1017	165.75	1.18										
82	102	17.00	1.02			8.9	964	157.08	1.24										
96	87	14.52	1.20			10	844	137.48	1.39										
103	82	13.60	1.26			11	760	123.86	1.51										
1.5kW	4139	702	0.91	TS 98TR58	4	13	667	108.65	1.70	TS 98TR58	4								
						14.6	589	95.88	1.88										
						15.2	660	92.18	1.64										
						16	522	85.00	2.00										
						18	564	78.78	1.80										
						19	517	72.22	2.02										
						22	454	63.38	2.30										
						23	430	60.06	2.29										
						27	376	52.57	2.77										
						30	339	47.36	2.77										
4.3	2215	322	1.71	34	297	41.54	3.51	34	297	41.54	3.51								
2.9	2824	479	0.76	TS 88TR58 TSF 88TR58 TSA 88TR58 TSAF88TR58	4	17	513	83.57	0.96	TS 68 TSF 68 TSA 68 TSAF68	4								
3.8	2199	373	0.98			19	444	72.39	1.02										
4.3	2570	327	0.84			21.5	466	65.00	1.06										
5.1	1891	275	1.14			22.2	387	63.00	1.17										
5.4	1768	257	1.06			24	410	57.19	1.11										
6.3	1745	222	1.07			26	387	54.00	1.22										
6.8	1424	207	1.32			30	329	45.98	1.38										
2.4	2938	283.04	1.29	34	299	41.79	1.52	34	299			41.79	1.52						
2.7	2645	254.80	1.43	39	259	36.20	1.76	39	259			36.20	1.76						
3	2871	230.48	1.32	44	226	31.50	2.01	44	226			31.50	2.01						
3.3	2584	207.48	1.47	53	216	26.40	2.11	53	216			26.40	2.11						
3.7	2340	187.89	1.59	59	195	23.83	2.33	59	195			23.83	2.33						
4.1	2075	166.62	1.75	67	172	20.97	2.65	67	172			20.97	2.65						
3.3	2203	283.04	1.72	TS 98 TSF 98 TSA 98 TSAF98	6	71	162	19.80	1.99			TS 58 TSF 58 TSA 58 TSAF58	4						
3.6	1983	254.80	1.91			83	138	16.86	3.30										
4	2153	230.48	1.76			91	125	15.32	2.58										
4.4	1938	207.48	1.96			106	109	13.27	2.96										
4.9	1755	187.89	2.12			121	95	11.55	4.25										
5.5	1556	166.62	2.34			43	235	32.80	0.99										
4.9	1448	283.04	2.62	54	214	26.11	1.08	54	214	26.11	1.08								
5.5	1303	254.80	2.91	57	200	24.40	1.16	57	200	24.40	1.16								
6.1	1415	230.48	2.68	66	173	21.09	1.34	66	173	21.09	1.34								
6.7	1274	207.48	2.98	78	147	17.92	1.08	78	147	17.92	1.08								
7.5	1153	187.89	3.22	88	131	16.00	1.55	88	131	16.00	1.55								
2.8	2567	329.81	0.84	TS 88 TSF 88 TSA 88 TSAF88	6	102	112	13.67	1.42	TS 48 TSF 48 TSA 48 TSAF48	4								
						109	105	12.80	1.52										
						130	88	10.78	1.82										
						96	119	14.52	0.87										
						103	111	13.60	0.93										
						122	94	11.46	1.10										
						2.2kW						2.2kW							
						4.2	1687	329.81	1.28			TS 88 TSF 88 TSA 88 TSAF88	4	3.4	4177	420	0.90	TS 98TR58 TSF 98TR58 TSA 98TR58 TSAF98TR58	4
						4.8	1496	292.50	1.44					3.8	3700	372	1.02		
4.8	1627	289.22	1.33	4.4	3203	322	1.18												
5.5	1443	256.50	1.48	5.1	2795	281	1.35												
5.7	1258	245.87	1.66	5.8	2437	245	1.55												
6.5	1213	215.61	1.68																

选型参数表
Selection Table



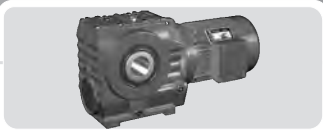
输出转速	输出扭矩	传动比	服务系数	机 型 号	极 数	输出转速	输出扭矩	传动比	服务系数	机 型 号	极 数						
Output speed	Output torque	Ratio	Service factor	Type	Pole	Output speed	Output torque	Ratio	Service factor	Type	Pole						
r/min	Nm	i	f _B	Type	p	r/min	Nm	i	f _B	Type	p						
2.2kW						2.2kW											
3.3	3163	283.04	1.20	TS 98 TSF 98 TSA 98 TSAF98	6	84	200	16.86	2.28	TS 68	4						
3.7	2847	254.80	1.33		6	93	181	15.32	1.78	TSF 68	4						
4.1	3091	230.48	1.22		6	107	157	13.27	2.05	TSA 68	4						
4.5	2782	207.48	1.36		6	123	137	11.55	2.94	TSAF68	4						
5	2519	187.89	1.47		6	89	189	16.00	1.08	TS 58	4						
						104	162	13.67	0.98	TSF 58	4						
						111	151	12.80	1.05	TSA 58	4						
						132	128	10.78	1.25	TSAF58	4						
						3kW						5.1	3811	281	0.99	TS 98TR58 TSF 98TR58 TSA 98TR58 TSAF98TR58	4 4 4 4
						5	2855	283.04	1.33	TS 98 TSF 98 TSA 98 TSAF98	4						
5.6	2570	254.80	1.47	4													
6.2	2790	230.48	1.36	4													
6.8	2511	207.48	1.51	4													
7.6	2274	187.89	1.63	4													
8.5	2017	166.62	1.80	4													
9.4	1823	150.64	1.94	4													
11	1545	127.68	2.24	4													
17	1176	83.31	2.61	4													
						8.5	2015	166.43	0.97	TS 88 TSF 88 TSA 88 TSAF88	4						
						9.3	1851	152.95	1.02		4						
						10	1644	135.83	1.13		4						
						12	1470	121.44	0.97		4						
						13	1322	109.19	1.35		4						
						15	1147	94.77	1.32		4						
						17	1027	84.86	1.68		4						
						19	1068	75.63	1.42		4						
						20	852	70.40	1.78		4						
						21	955	67.62	1.69		4						
						23	859	60.80	1.76		4						
						27	745	52.77	2.04		4						
						30	667	47.25	2.27	4							
						33	600	42.47	2.53	4							
						36	554	39.20	2.74	4							
						37	617	38.25	2.46	4							
						15	1302	92.18	0.83	TS 78 TSF 78 TSA 78 TSAF78	4						
						17	1029	85.00	1.01		4						
						18	1113	78.78	0.91		4						
						20	1020	72.22	1.02		4						
						22	895	63.38	1.16		4						
						24	848	60.06	1.16		4						
						27	742	52.57	1.40		4						
						30	669	47.36	1.40		4						
						34	587	41.54	1.78		4						
						39	518	36.66	2.01		4						
						44	459	32.50	2.27		4						
						51	392	27.75	2.66		4						
						55	364	25.79	2.87		4						
						62	367	22.75	2.82		4						
						66	348	21.56	2.86		4						
												75	305	18.87	3.17	4	
84	274	17.00	2.44	4													
95	241	14.91	3.86	4													
108	212	13.16	3.15	4													
122	188	11.67	4.69	4													
143	161	9.96	4.15	4													

TS

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输出转速 Output speed r/min	输出扭矩 Output torque Nm	传动比 Ratio i	服务系数 Service factor f _B	机 型 号 Type Type	极 数 Pole p
3kW					
39	511	36.20	0.89		
45	445	31.50	1.02		
54	426	26.40	1.07		
60	385	23.83	1.18	TS 68	4
68	338	20.97	1.34	TSF 68	4
72	320	19.80	1.00	TSA 68	4
84	272	16.86	1.67	TSAF68	4
93	247	15.32	1.30		
107	214	13.27	1.50		
123	186	11.55	2.17		
132	174	10.78	0.92	TS 58 TSF 58 TSA 58 TSAF58	4 4 4 4
4kW					
6.2	3668	230.48	1.03		
6.9	3302	207.48	1.15		
7.7	2990	187.89	1.24		
8.6	2652	166.62	1.37	TS 98	4
9.6	2397	150.64	1.47	TSF 98	4
11	2032	127.68	1.70	TSA 98	4
17	1547	83.31	1.98	TSAF98	4
19	1399	75.32	2.09		
23	1185	63.84	2.64		
13	1738	109.19	1.02		
15	1508	94.77	1.00		
17	1351	84.86	1.27		
19	1404	75.63	1.08		
20	1120	70.40	1.35		
21	1256	67.62	1.28		
24	1129	60.80	1.34	TS 88	4
27	980	52.77	1.55	TSF 88	4
30	877	47.25	1.73	TSA 88	4
34	789	42.47	1.92	TSAF88	4
37	728	39.20	2.08		
38	812	38.25	1.87		
45	682	32.15	2.22		
49	627	29.55	2.42		
55	557	26.24	2.11		
61	498	23.46	3.05		
24	1115	60.06	0.88		
27	976	52.57	1.07		
30	879	47.36	1.06		
35	771	41.54	1.35		
39	681	36.66	1.53		
44	603	32.50	1.73		
52	515	27.75	2.02	TS 78	4
56	479	25.79	2.18	TSF 78	4
63	483	22.75	2.14	TSA 78	4
67	458	21.56	2.17	TSAF78	4
76	400	18.87	2.42		
85	361	17.00	1.85		
97	316	14.91	2.94		
109	279	13.16	2.40		
123	248	11.67	3.56		
145	211	9.96	3.17		
85	358	16.86	1.27	TS 68	4
94	325	15.32	0.99	TSF 68	4
109	282	13.27	1.14	TSA 68	4
125	245	11.55	1.64	TSAF68	4
5.5kW					
8.6	3646	166.62	1.00		
9.6	3296	150.64	1.07		
11	2794	127.68	1.24		
13	2440	111.52	1.36		
15	2041	93.27	1.60	TS 98	4
17	2127	83.31	1.44	TSF 98	4
18	1767	80.75	1.73	TSA 98	4
19	1923	75.32	1.52	TSAF98	4
23	1630	63.84	1.92		
26	1424	55.76	1.93		
31	1191	46.64	2.63		
36	1031	40.38	3.04		
17	1857	84.86	0.93		
20	1541	70.40	0.98		
21	1726	67.62	0.93		
24	1552	60.80	0.97		
27	1347	52.77	1.12		
30	1206	47.25	1.26		
34	1084	42.47	1.40		
37	1001	39.20	1.51	TS 88	4
38	1116	38.25	1.36	TSF 88	4
42	870	34.09	1.74	TSA 88	4
45	938	32.15	1.62	TSAF88	4
49	862	29.55	1.76		
55	766	26.24	1.53		
61	685	23.46	2.21		
68	615	21.09	1.91		
79	534	18.31	2.84		
88	478	16.39	2.46		
106	397	13.60	2.96		
122	345	11.83	3.41		
35	1061	41.54	0.98		
39	936	36.66	1.11		
44	830	32.50	1.25		
52	708	27.75	1.47		
56	658	25.79	1.58	TS 78	4
63	664	22.75	1.55	TSF 78	4
67	629	21.56	1.58	TSA 78	4
76	551	18.87	1.75	TSAF78	4
85	496	17.00	1.35		
97	435	14.91	2.14		
109	384	13.16	1.74		
123	341	11.67	2.59		
145	291	9.96	2.30		
109	387	13.27	0.83	TS 68	4
125	337	11.55	1.19	TSF 68 TSA 68 TSAF68	4 4 4
7.5kW					
13	3282	111.52	1.01		
16	2745	93.27	1.19		
18	2861	83.31	1.07		
18	2377	80.75	1.29	TS 98	4
19	2586	75.32	1.13	TSF 98	4
23	2192	63.84	1.43	TSA 98	4
26	1915	55.76	1.43	TSAF98	4
31	1601	46.64	1.95		
36	1387	40.38	2.26		
40	1428	36.39	2.19		

选型参数表
Selection Table



输出转速	输出扭矩	传动比	服务系数	机 型 号	极 数	输出转速	输出扭矩	传动比	服务系数	机 型 号	极 数
Output speed	Output torque	Ratio	Service factor	Type	Pole	Output speed	Output torque	Ratio	Service factor	Type	Pole
r/min	Nm	i	f _B	Type	p	r/min	Nm	i	f _B	Type	p
7.5kW						15kW					
45	1286	32.76	2.43	TS 98 TSF 98 TSA 98 TSAF98	4	55	2065	26.31	1.51	TS 98 TSF 98 TSA 98 TSAF98	4
49	1164	29.67	2.69			61	1867	23.79	1.62		
55	1032	26.31	3.03			72	1582	20.16	1.80		
61	934	23.79	3.25			83	1382	17.61	1.78		
72	791	20.16	3.61			99	1156	14.73	2.35		
						115	1001	12.75	2.46		
31	1622	47.25	0.93	TS 88 TSF 88 TSA 88 TSAF88	4	89	1286	16.39	0.91	TS 88	4
34	1458	42.47	1.04			107	1067	13.60	1.10	TSF 88	4
37	1346	39.20	1.12			123	928	11.83	1.26	TSA 88	4
38	1501	38.25	1.01							TSAF88	4
43	1171	34.09	1.29								
45	1262	32.15	1.20								
49	1160	29.55	1.31								
56	1030	26.24	1.14								
62	921	23.46	1.65								
69	828	21.09	1.42								
80	719	18.31	2.11								
89	643	16.39	1.83								
107	534	13.60	2.20								
123	464	11.83	2.53								
53	953	27.75	1.09	TS 78 TSF 78 TSA 78 TSAF78	4	56	3150	32.76	0.99	TS 98 TSF 98 TSA 98 TSAF98	4
57	886	25.79	1.17			50	2852	29.67	1.09		
64	893	22.75	1.15			56	2529	26.31	1.23		
68	846	21.56	1.17			62	2287	23.79	1.32		
77	741	18.87	1.30			73	1938	20.16	1.47		
86	667	17.00	1.00			83	1693	17.61	1.45		
98	585	14.91	1.59			100	1416	14.73	1.92		
111	516	13.16	1.29			115	1226	12.75	2.01		
125	458	11.67	1.92								
147	391	9.96	1.71								
11kW						22kW					
26	2808	55.76	0.98	TS 98 TSF 98 TSA 98 TSAF98	4	56	3008	26.31	1.04	TS 98 TSF 98 TSA 98 TSAF98	4
31	2349	46.64	1.33			62	2720	23.79	1.11		
36	2034	40.38	1.54			73	2305	20.16	1.24		
40	2094	36.39	1.49			83	2013	17.61	1.22		
45	1886	32.76	1.66			100	1684	14.73	1.61		
49	1708	29.67	1.83			115	1458	12.75	1.69		
55	1514	26.31	2.07								
61	1369	23.79	2.22								
72	1160	20.16	2.46								
83	1014	17.61	2.43								
99	848	14.73	3.21	TS 88 TSF 88 TSA 88 TSAF88	4						
115	734	12.75	3.36								
62	1350	23.46	1.12								
69	1214	21.09	0.97								
80	1054	18.31	1.44								
89	943	16.39	1.24								
107	783	13.60	1.50								
123	681	11.83	1.72								
15kW											
31	3203	46.64	0.97	TS 98 TSF 98 TSA 98 TSAF98	4						
36	2773	40.38	1.13								
40	2856	36.39	1.09								
45	2571	32.76	1.21								
49	2329	29.67	1.34								

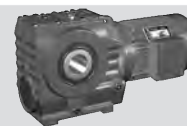
**TS
14**

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	
90	8.0	174	TS 38TR18 TSF 38TR18 TSA 38TR18 TSAF38TR18	0.18	2280	0.24	5874	TS 88TR58 TSF 88TR58 TSA 88TR58 TSAF88TR58	0.18	
	8.5	163				0.27	5236			
	9.7	144				0.30	4571			
	11	128				0.36	3874			
	13	109		0.40		3483	0.25			
170	4.1	342	TS 48TR18 TSF 48TR18 TSA 48TR18 TSAF48TR18	0.18		0.47			2928	
	4.7	295				0.59	2369		0.37	
	5.4	256				0.67	2078			
	6.1	229		0.25		0.75	1852		0.55	
	6.8	203				0.84	1657			
	7.6	183				1.1	1322			
	8.6	162				1.2	1179		0.75	
	295	2.4				577	TS 58TR18 TSF 58TR18 TSA 58TR18 TSAF58TR18			0.18
2.8		504	1.5	919						
3.2		431	1.6	852						
3.6		390	2.0	713						
4.2		332	0.25			2.3			607	1.1
4.8		288				2.5			552	
5.2		268				2.9			479	
6.0		231	0.37			3.2			433	1.5
6.9		202				3.8			373	
7.4		189				4.3			327	2.2
8.3		167	5.2	275						
10	134	4000	0.16	8606	TS 98TR58 TSF 98TR58 TSA 98TR58 TSAF98TR58	0.18				
520	1.3		1043	0.19			7513			
	1.5		912	0.21			6710			
	1.7		807	0.24			5767			
	1.9		716	0.28		4964				
	2.3		616	0.25		0.31	4433			
	2.6		541			0.35	4018			
	3.0		467			0.40	3479			
	3.3		423	0.37		0.45	3107			
	3.8		367			0.53	2642			
	4.4		319			0.60	2331			
	4.9		281	0.55		0.67	2082	0.55		
5.6	247		0.76			1827				
6.3	222		0.89			1566				
7.0	199		0.99			1399	0.75			
1240	0.45		3107	0.18		1.1		1231		
	0.67		2075			1.3	1072			
	0.77		1794			1.5	943			
	0.80		1730			1.7	824			
	0.86		1609			2.0	702			
	0.98		1412	0.25		2.2	627			
	1.1		1224			2.6	534			
	1.3		1098			2.9	485			
	1.5		957			3.4	420			
	1.7		840	0.37		3.8	372	2.2		
	2.0		711			4.4	322			
	2.2		641			5.1	281	3		
	2.4		576	5.9		245				
	2.8		505	7.0		205	4			
	3.2		430	0.55						
	3.6		388							
4.3	327									
4.8	290		1.1							
5.7	246									
6.5	216									

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。

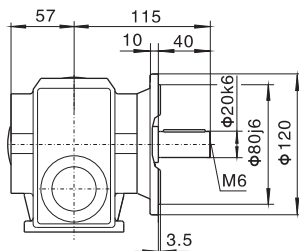
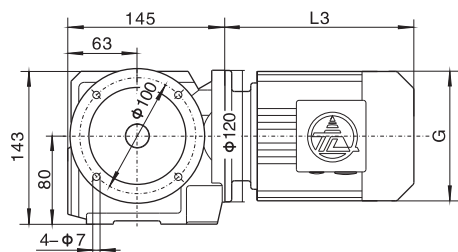
The power are all overload in the table. The decided torque according to operating condition should not more than gear units' nominal torque.

外形安装尺寸 Mounting Dimension Sheets-overview

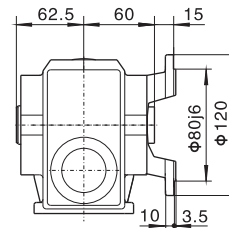


TS
15

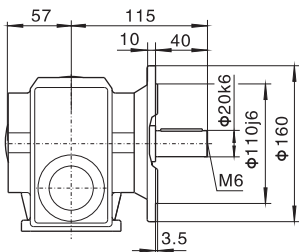
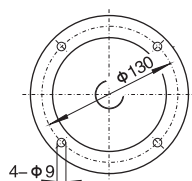
TSF38/Φ120



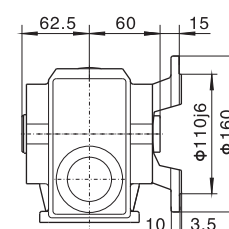
TSAF38/Φ120



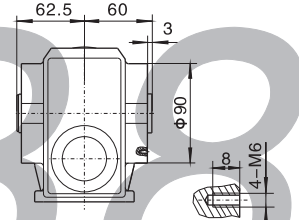
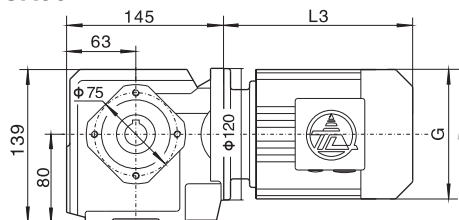
TSF38/Φ160



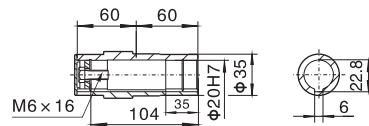
TSAF38/Φ160



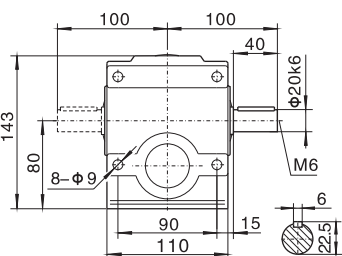
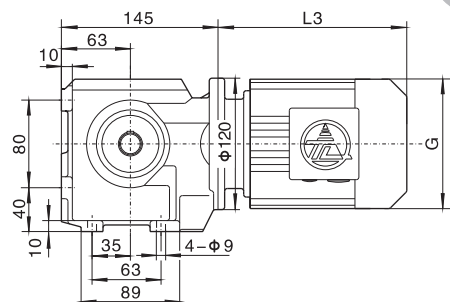
TSA38



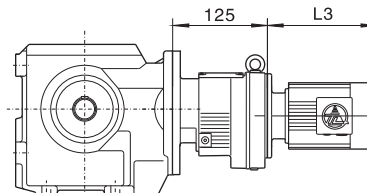
TSAF38/TSA38
空心轴/Hollow shaft



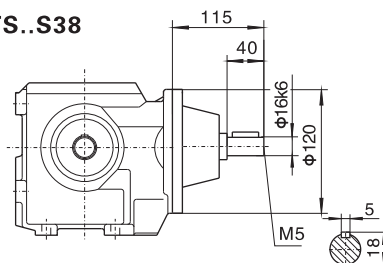
TS38



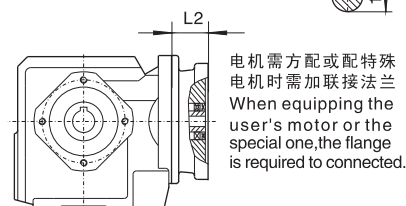
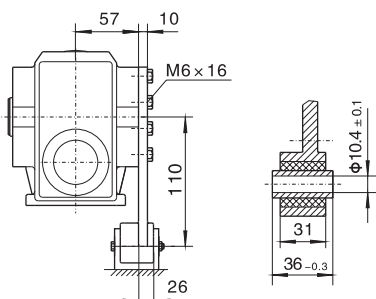
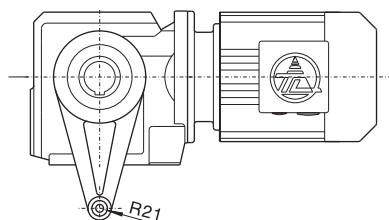
TS..38TR18



TS..S38



TSAT38



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

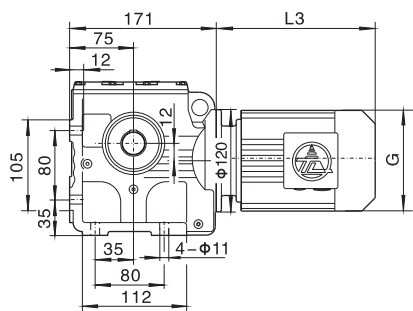
注: 其余尺寸见相对应结构形式
Note: For other values please refer to the
oppositd structure.

Y2电机座号 Motor size	63	71	80
功率/4P Power/(kW)	0.18	0.25 0.37	0.55 0.75
L3	235	250	293
G	130	145	175
L2	56	56	62

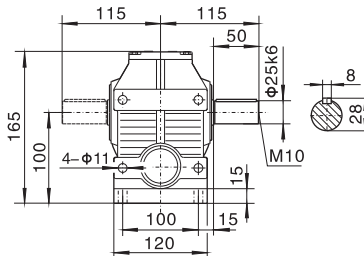
注:1.TSA、TSF、TSAF、TSAZ壳体为通用件,安装尺寸均可相互参照。 2."TS.."表示TS、TSA、TSF、TSAF、TSAZ 3.带锁紧盘式,详见TK40页
Note:1.The housings of TSA、TSF、TSAF、TSAZ are common parts.The mounting dimensions may consult each other. 2."TS.."mean TS、TSA、TSF、TSAF、TSAZ
3.Hollow shaft output with shrink disk, see P Tk40 for detail.

TS

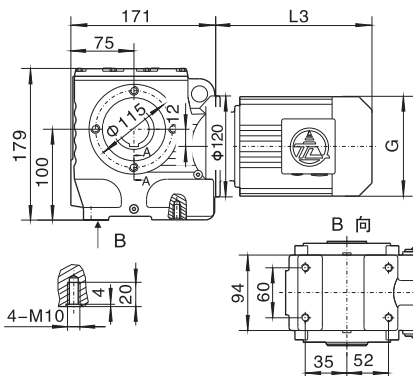
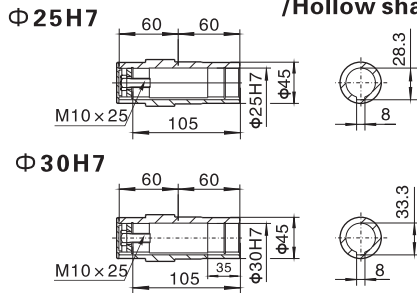
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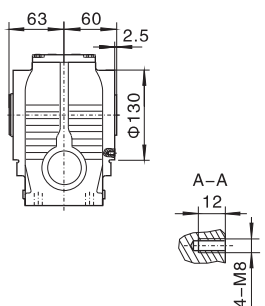
TS48



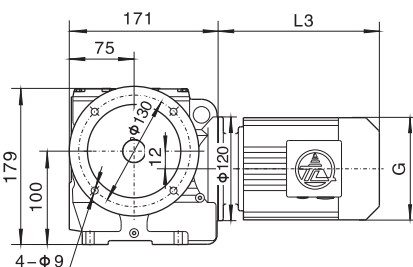
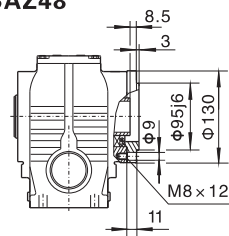
TSA48/TS48/TS48空心轴 /Hollow shaft



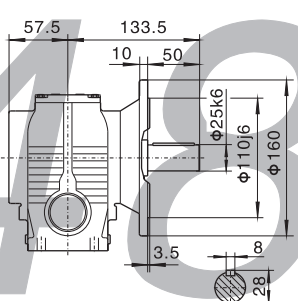
TSA48



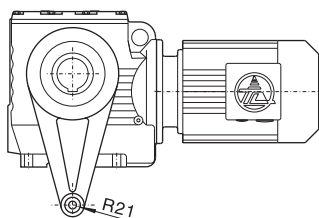
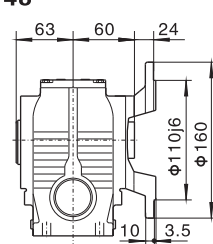
TS48



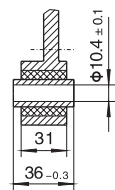
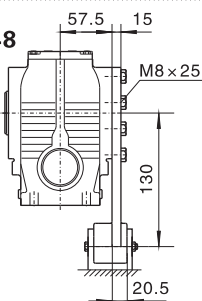
TSF48



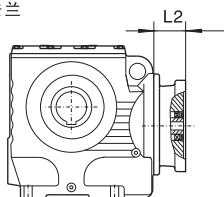
TS48



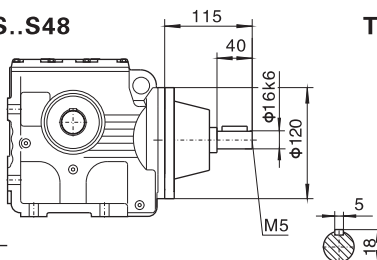
TSAT48



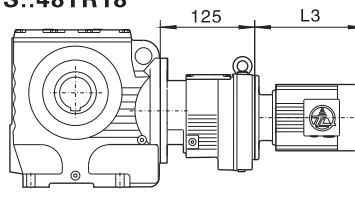
电机需方配或配特殊电机时需
加联接法兰



TS..S48



TS..48TR18



注：其余尺寸见
相对应结构
形式

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

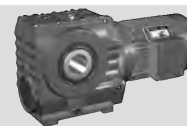
When equipping the user's motor or the spe-
cial one, the flange is required to be connected.

Y2电机座号 Motor size	63	71	80	90S	90L
功率/4P Power/(kW)	0.18	0.25 0.37	0.55 0.75	1.1	1.5
L3	235	250	293	308	333
G	130	145	175	195	195
L2	56	56	62	62	62

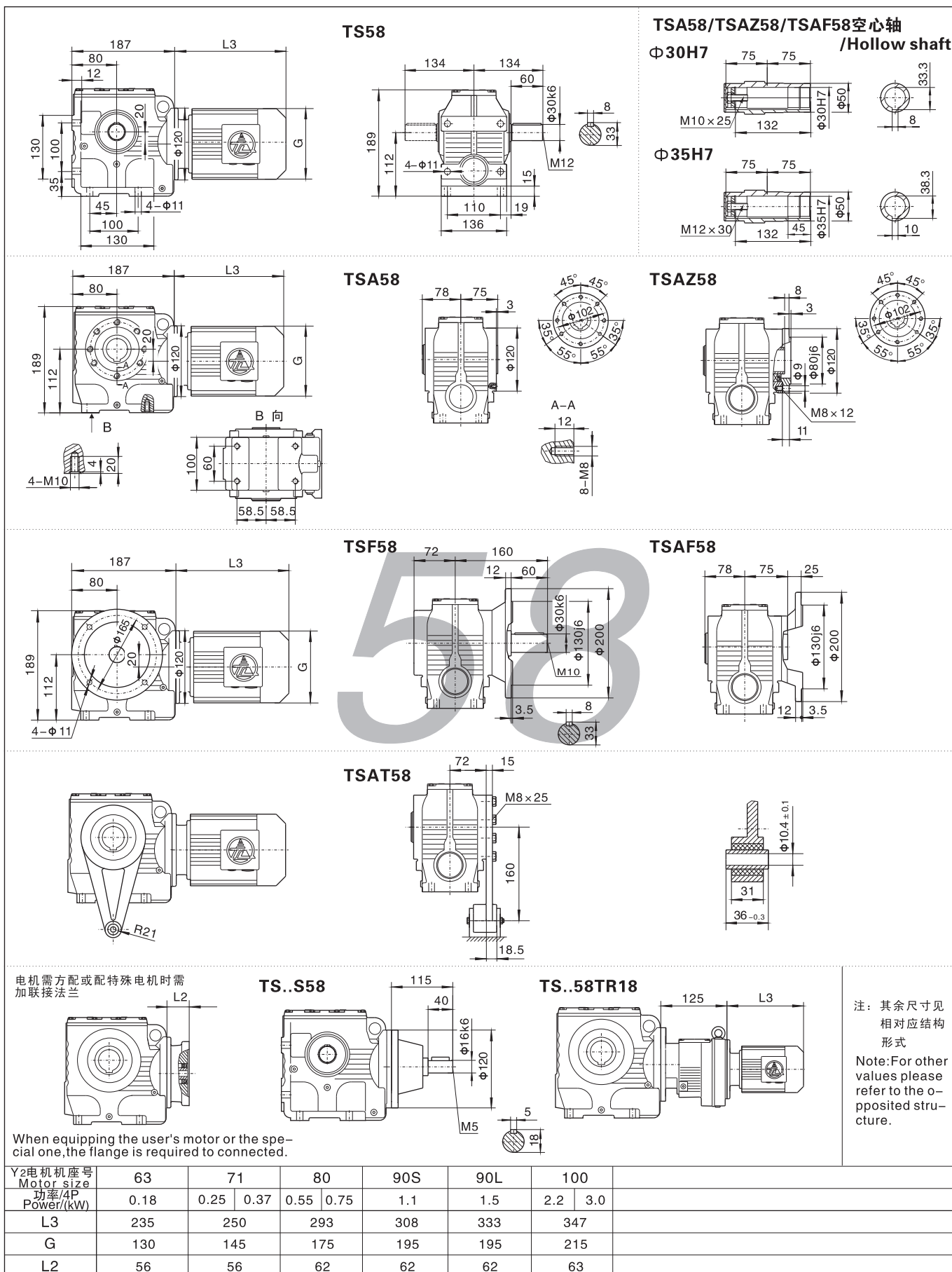
注:1. TSA、TSF、TSAF、TSAZ壳体为通用件,安装尺寸均可相互参照。 2."TS.."表示TS、TSA、TSF、TSAF、TSAZ 3.带锁紧盘式,详见TK40页

Note:1.The housings of TSA、TSF、TSAF、TSAZ are common parts.The mounting dimensions may consult each other. 2."TS.."mean TS、TSA、TSF、TSAF、TSAZ 3.Hollow shaft output with shrink disk, see PTK40 for detail.

外形安装尺寸 Mounting Dimension Sheets-overview



TS
17

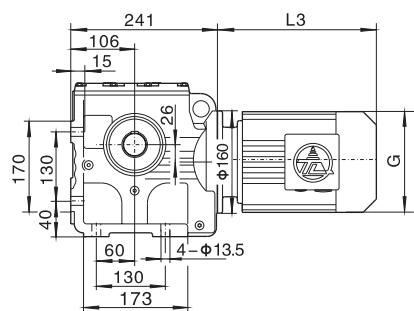


注:1.TSA、TSF、TSAF、TSAZ壳体为通用件,安装尺寸均可相互参照。 2."TS.."表示TS、TSA、TSF、TSAF、TSAZ 3.带锁紧盘式,详见TK40页

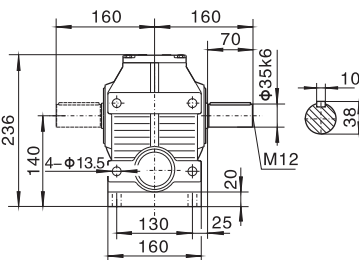
Note:1.The housings of TSA、TSF、TSAF、TSAZ are common parts.The mounting dimensions may consult each other. 2."TS.."mean TS、TSA、TSF、TSAF、TSAZ 3.Hollow shaft output with shrink disk, see P TK40for detail.

TS

18

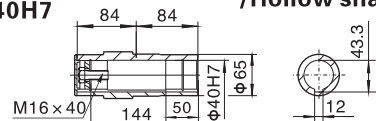


TS68

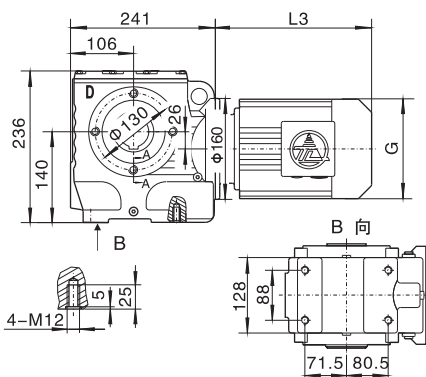
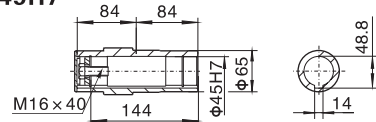


TSA68/TSZ68/TSF68空心轴
/Hollow shaft

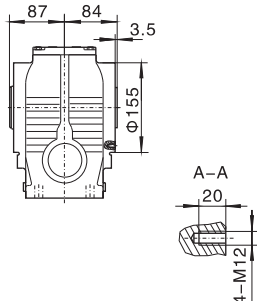
Φ40H7



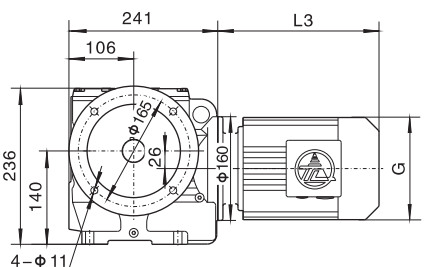
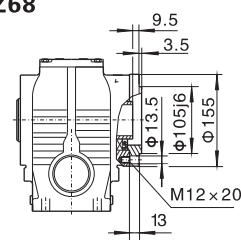
Φ45H7



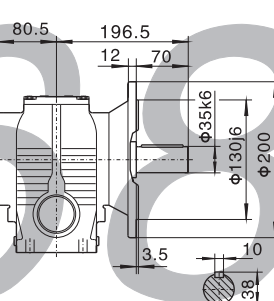
TSA68



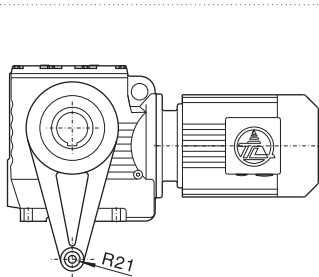
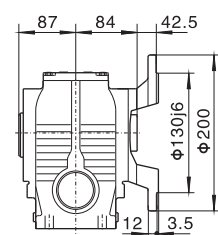
TSZ68



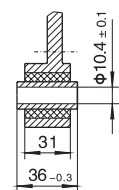
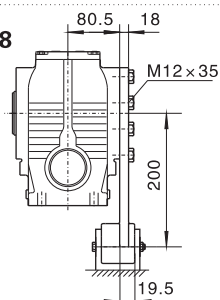
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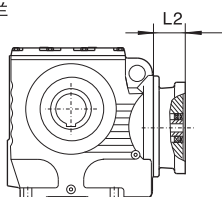
TSF68



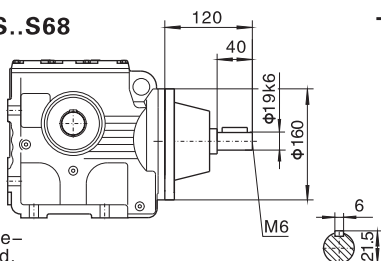
TSAT68



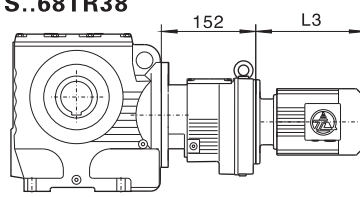
电机需方配或配特殊电机时需
加联接法兰



TS..S68



TS..68TR38



注：其余尺寸见
相对应结构
形式

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

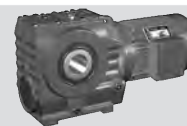
When equipping the user's motor or the spe-
cial one, the flange is required to be connected.

Y2电机座号 Motor size	71	80	90S	90L	100	112M	132S	
功率/4P Power/(kW)	0.25 0.37	0.55 0.75	1.1	1.5	2.2 3.0	4.0	5.5	
L3	244	293	304	329	357	383	428	
G	145	175	195	195	215	240	275	
L2	57	72	72	72	74	74	82	

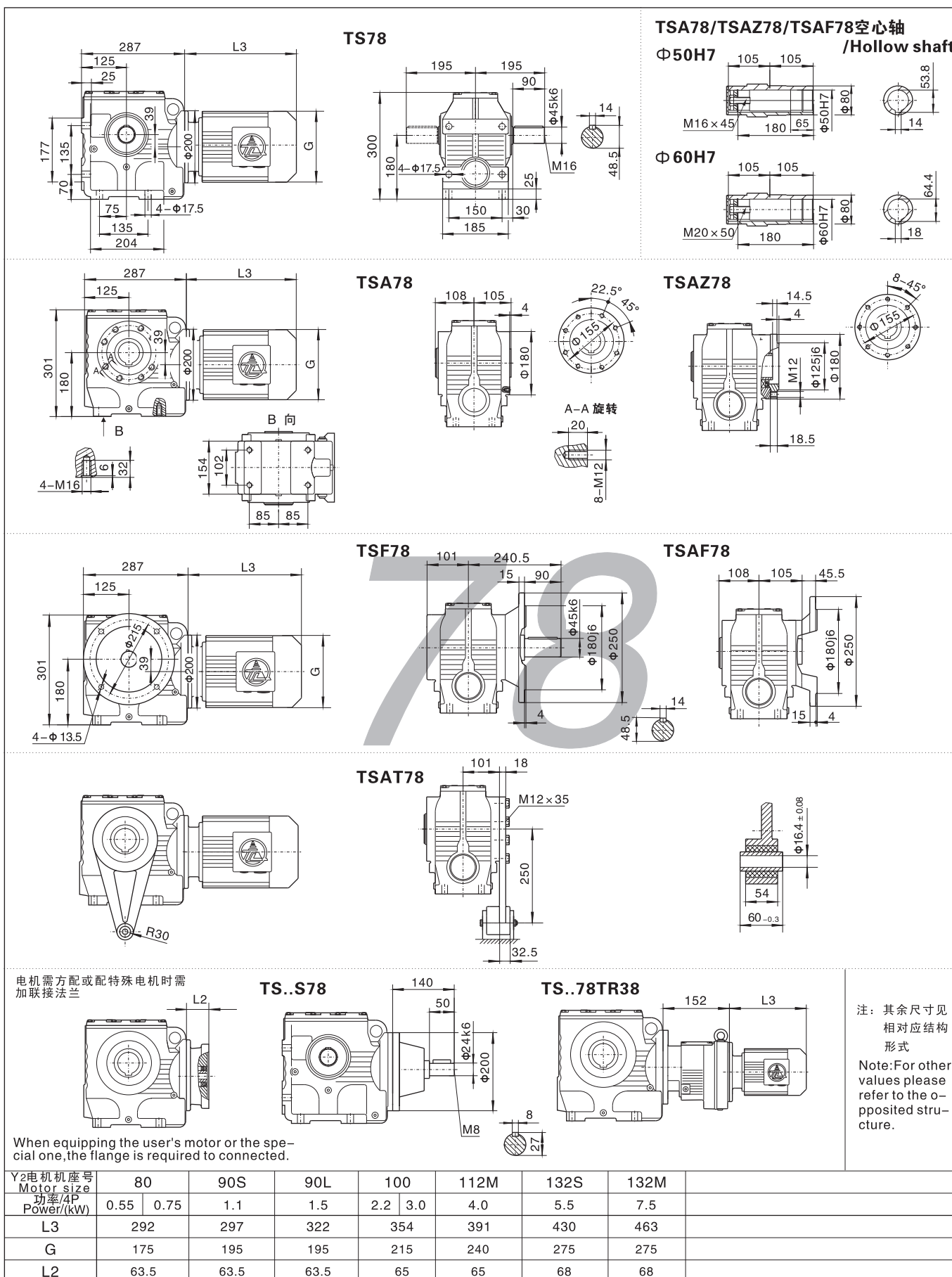
注:1.TSA、TSF、TSAF、TSZ壳体为通用件,安装尺寸均可相互参照。 2."TS.."表示TS、TSA、TSF、TSAF、TSZ 3.带锁紧盘式,详见TK40页

Note:1.The housings of TSA、TSF、TSAF、TSZ are common parts.The mounting dimensions may consult each other. 2."TS.."mean TS、TSA、TSF、TSAF、TSZ 3.Hollow shaft output with shrink disk, see P TK40 for detail.

外形安装尺寸 Mounting Dimension Sheets-overview



TS
19

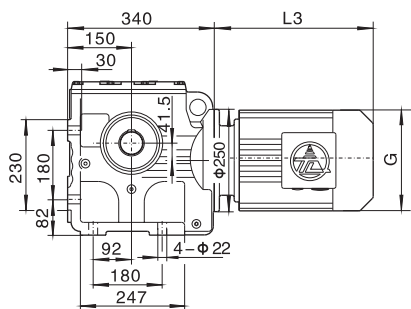


注:1.TSA、TSF、TSFA、TSAZ壳体为通用件,安装尺寸均可相互参照。 2."TS.."表示TS、TSA、TSF、TSFA、TSAZ 3.带锁紧盘式, 详见TK40页

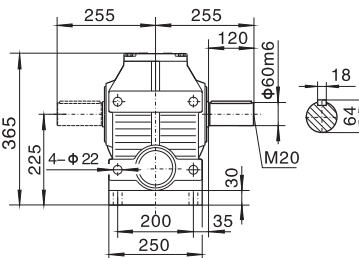
Note:1.The housings of TSA、TSF、TSFA、TSAZ are common parts.The mounting dimensions may consult each other. 2."TS.."mean TS、TSA、TSF、TSFA、TSAZ 3.Hollow shaft output with shrink disk, see P TK40 for detail.

TS

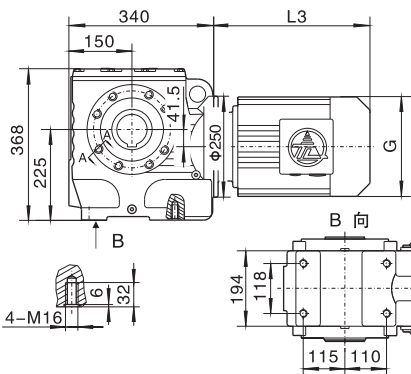
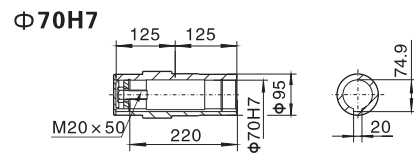
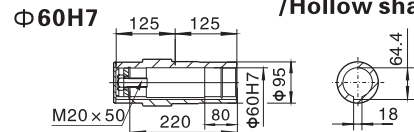
20



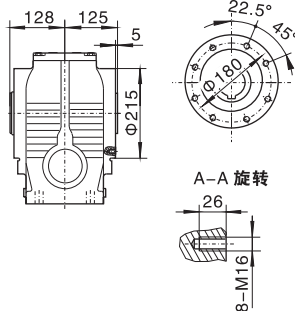
TS88



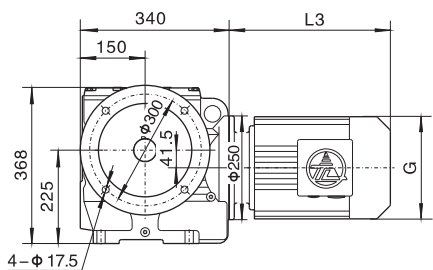
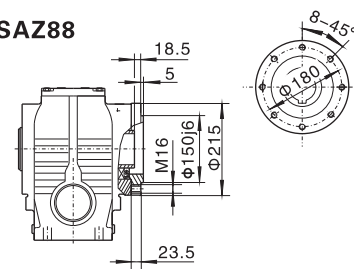
TSA88/TSZ88/TSAF88空心轴 /Hollow shaft



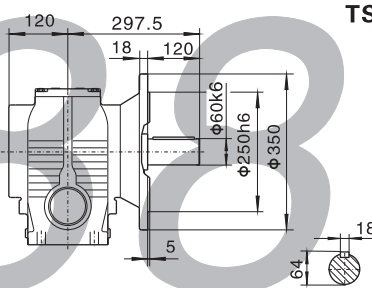
TSA88



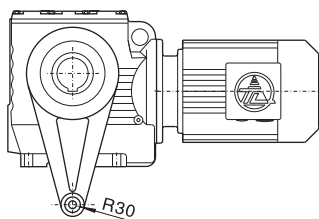
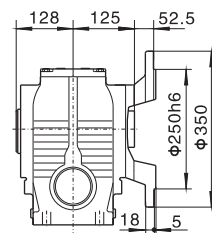
TSZ88



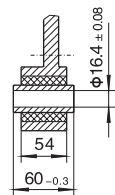
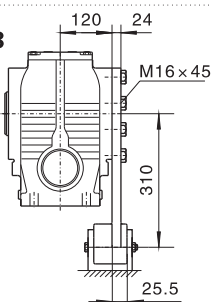
TSF88



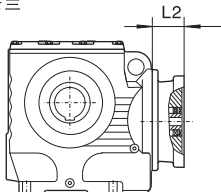
TSAF88



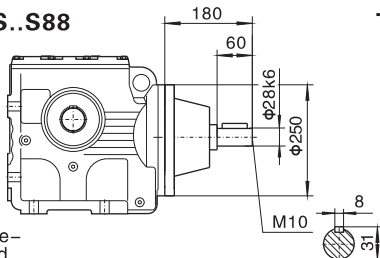
TSAT88



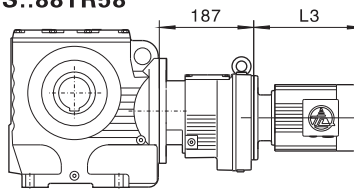
电机需方配或配特殊电机时需加联接法兰



TS..S88



TS..88TR58



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

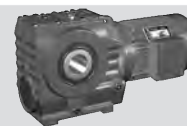
Note: For other values please refer to the o-pposited structure.

Y2电机座号 Motor size	80	90S	90L	100	112M	132S	132M	160M	160L	
功率/4P Power/(kW)	0.75	1.1	1.5	2.2 3.0	4.0	5.5	7.5	11	15	
L3	261	284	309	351	371	417	450	538	583	
G	175	195	195	215	240	275	275	330	330	
L2	71	71	71	72	72	83	83	95	95	

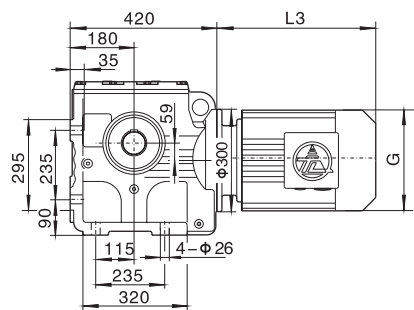
注:1.TSA、TSF、TSAF、TSZ壳体为通用件,安装尺寸均可相互参照。 2."TS.."表示TS、TSA、TSF、TSAF、TSZ 3.带锁紧盘式,详见TK40页

Note:1.The housings of TSA、TSF、TSAF、TSZ are common parts.The mounting dimensions may consult each other. 2."TS.."mean TS、TSA、TSF、TSAF、TSZ 3.Hollow shaft output with shrink disk, see P TK40 for detail.

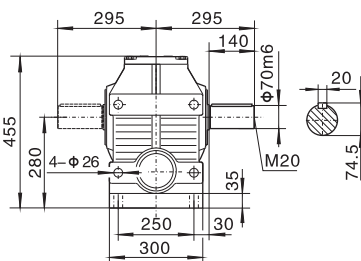
外形安装尺寸 Mounting Dimension Sheets-overview



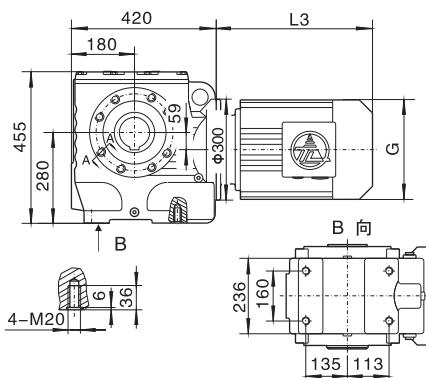
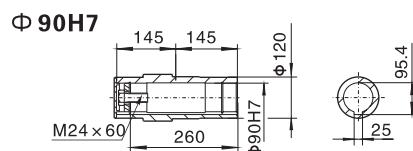
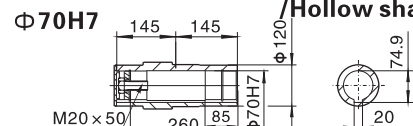
TS
21



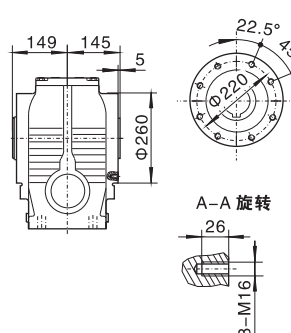
TS98



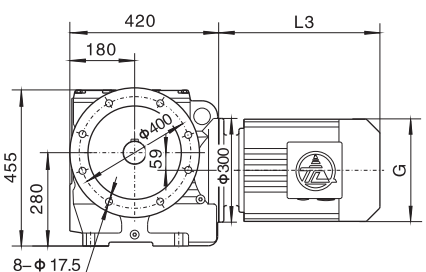
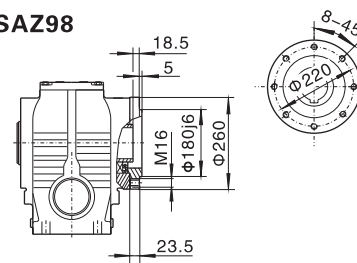
TSA98/TSAZ98/TSAF98空心轴
/Hollow shaft



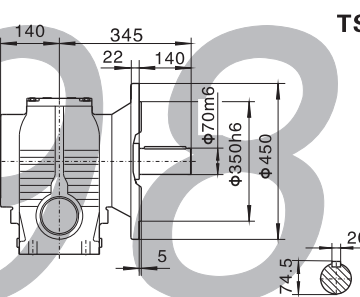
TSA98



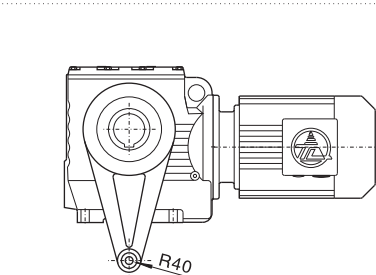
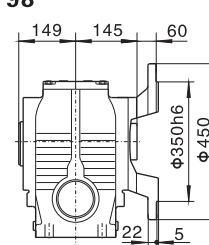
TSAZ98



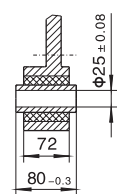
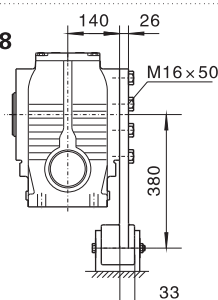
TSF98



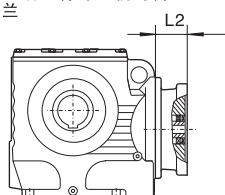
TSAF98



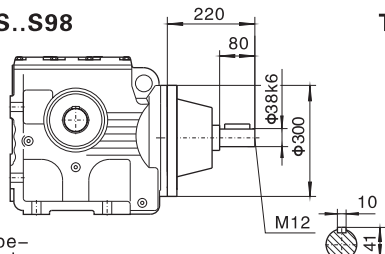
TSAT98



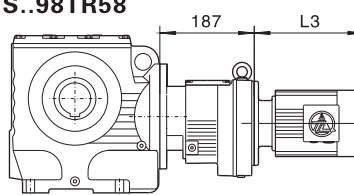
电机需方配或配特殊电机时需
加联接法兰



TS..S98



TS..98TR58



注：其余尺寸见
相对应结构
形式

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

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

Y2电机座号 Motor size	90L	100	112M	132S	132M	160M	160L	180M	180L
功率/4P Power/(kW)	1.5	2.2 3.0	4.0	5.5	7.5	11	15	18.5	22
L3	301	322	342	411	444	529	574	593	633
G	195	215	240	275	275	330	330	380	380
L2	50	50	50	77	77	113	113	113	113

注:1.TSA、TSF、TSAF、TSAZ壳体为通用件,安装尺寸均可相互参照。 2."TS.."表示TS、TSA、TSF、TSAF、TSAZ 3.带锁紧盘式,详见TK40页

Note:1.The housings of TSA、TSF、TSAF、TSAZ are common parts.The mounting dimensions may consult each other. 2."TS.."mean TS、TSA、TSF、TSAF、TSAZ

3.Hollow shaft output with shrink disk, see P TK40 for detail.