

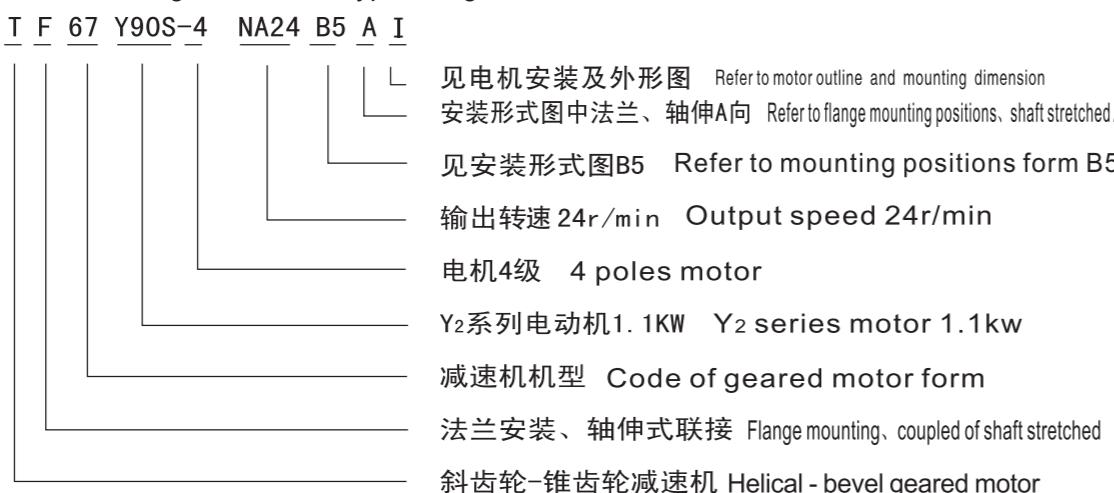
1. 斜齿轮—锥齿轮减速机（T系列）特点： Helical-bevel geared motor(T series) feautures:

T系列减速机，结合国际标准技术要求制造，具有很高的技术含量等级，节省空间，可靠耐用，承受过载能力高，功率可达200KW，能耗低，性能优越，减速机效率高达95%以上，振动小，噪音低，选用优质锻钢材料，钢性铸铁箱体，齿轮表面经过渗碳硬化处理，经过精密加工，构成了斜齿轮，伞齿轮，锥齿轮传动总成的减速机，配置了各种类电机，形成智能机电一体化，完全保证了产品使用质量特性。

T series reducer, according to the international standard technical requirements, with high technical content level, space saving, reliable and durable, to withstand high overload capacity, power up to 200Kw, low energy consumption, superior performance, the reducer efficiency reaches more than 95%, small vibration, low noise, selection of steel material with high quality forged steel, cast iron box and the gear surface after carburizing hardening, after precision machining, a helical gear, bevel gear reducer, bevel gear transmission assembly, equipped with various types of motor, the formation of intelligent electromechanical integration, fully guarantee the products with quality characteristics

2.T系列 斜齿轮-锥齿轮减速机形式代号:

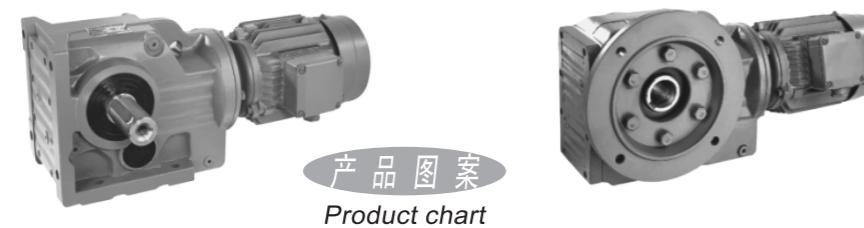
T series helical-bevel geared motor type designation:



3. 联接代号及形式:

Coupled of code and form:

T-底脚安装、轴伸式联接 T Foot mounting, coupled of shaft stretched	TA-轴装式联接、底脚支承 TA Coupled of shaft mounting, foot supporting
TF-法兰安装、轴伸式联接 TF Flange mounting, coupled of shaft stretched	TAF-法兰安装、轴装式联接 TAF Flange mounting, coupled of shaft stretched
TA/T-反力矩安装、轴装式联接 TAT Torque-arm mounting coupled of shaft shaft mouting	TH-锁紧盘安装、轴装式联接 TH shrink disk mounting, coupled of shaft mounting



产品图案
Product chart

T系列减速机型号选择:

T series geared motor select type:

1. 选型时要首先确定使用系数 f_B , 可以通过下面的计算公式参照每天的工作时间总和: 每小时的开/关次数; 由重力加速度计算出的负载等级等几项参数计算 f_B 。

At first confirm service factor fB when select type,through the calculate formula as below and refer to daily total operating period :times of startup/hour;Calculate fB in such several parameters as the grade of load that is worked out by the acceleration of gravity ,etc.

2. 载荷分类： I. 均匀负载：允许惯性加速参数 ≤ 0.2
II. 中等冲击载荷：允许惯性加速参数 ≤ 3
III. 重冲击载荷：允许惯性加速参数 ≤ 10

$$\text{惯性加速参数} = \frac{\text{负载惯量}}{\text{驱动电机惯量}}$$

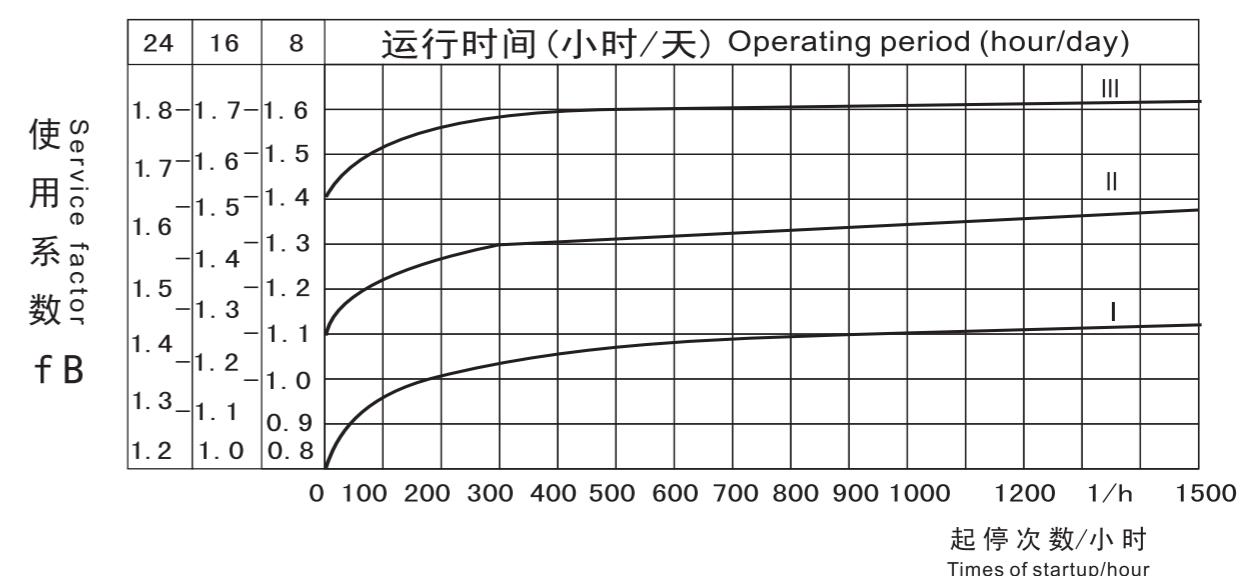
Load classification:

- I. Uniform load: Permissible inertial accelerate parameter ≤ 0.2
- II. Moderate shock load: Permissible inertial accelerate parameter ≤ 3
- III. Heavy shock load: Permissible inertia accelerate parameter ≤ 10

Inertia accelerate parameter =
$$\frac{\text{Load inertia}}{\text{Drive motor inertia}}$$

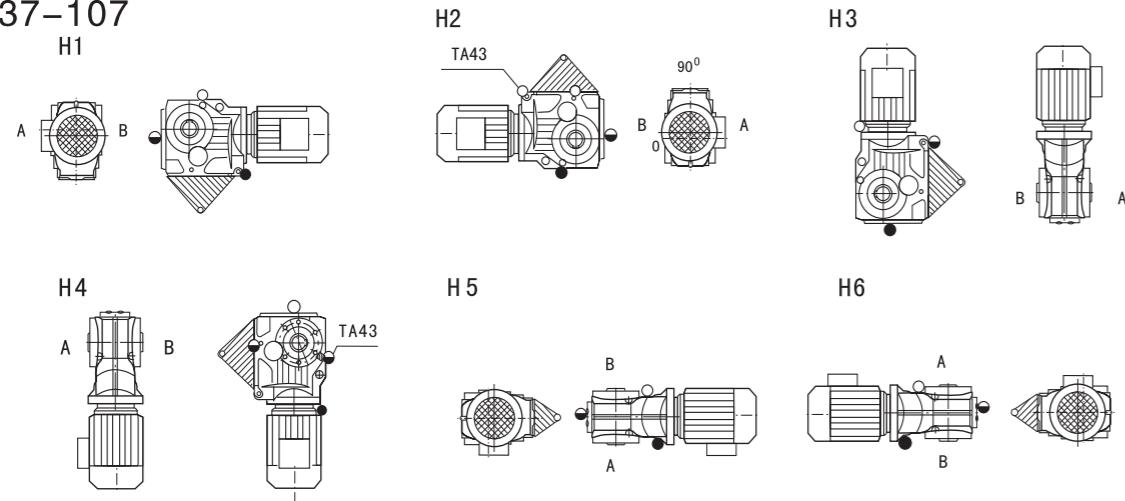
3. 例：负载等级I，启动次数200次/天，运行时间24小时/天， $f_B=1.35$ ，由图示所得出的使用系数应该与由速度/功率选型表所列出的使用系数相比较，为了确保使用寿命，选择的使用系数应该等于或略高于图示计算出的使用系数，表中所列最大扭矩以 $M_{max} f_B = 1$ 为标准，输出扭矩和使用系数不能超过 M_{max} 。

Example: Load grade I, Number of startup 200 times per day. Operating period 24 hour per day, $f_B=1.35$, Refer to the chart as belows and educible service factor which the speed/power of election table listed service factor is compared, In order to insure service-life, select service factor sshould be equal to or hyper-work out service factor from the chart, The listed biggest torque is with $M_{max}f_B=1$ standard in the form, Output torque and service factor unable to exceed M_{max} .

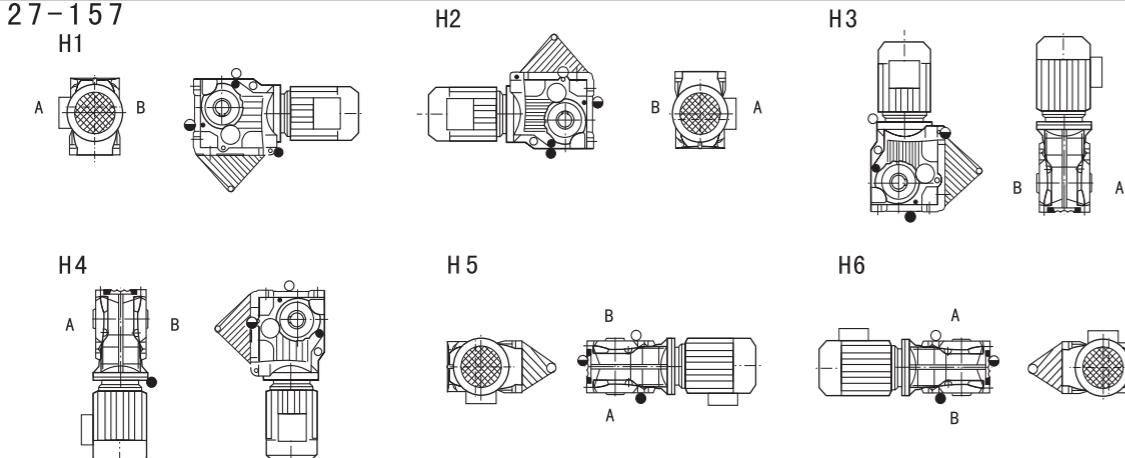


选型安装形式
Mounting position

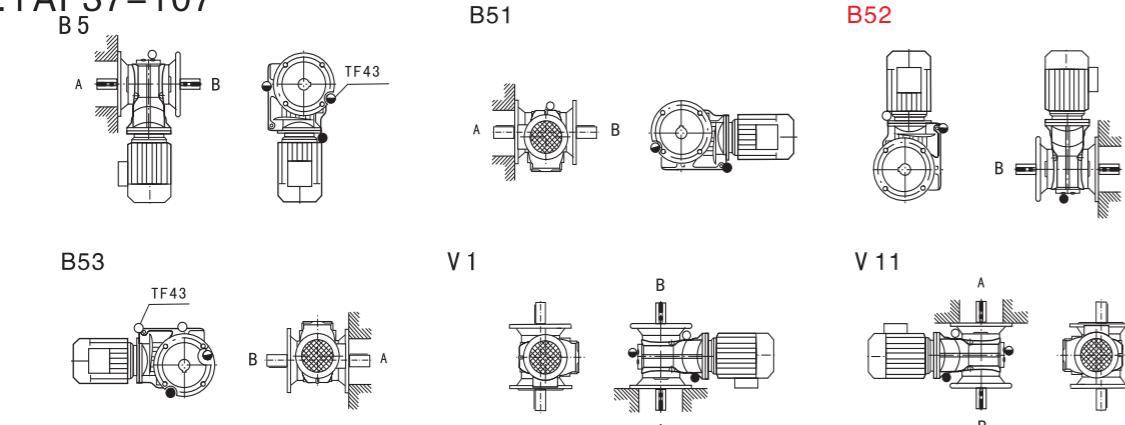
TA37-107



TA127-157

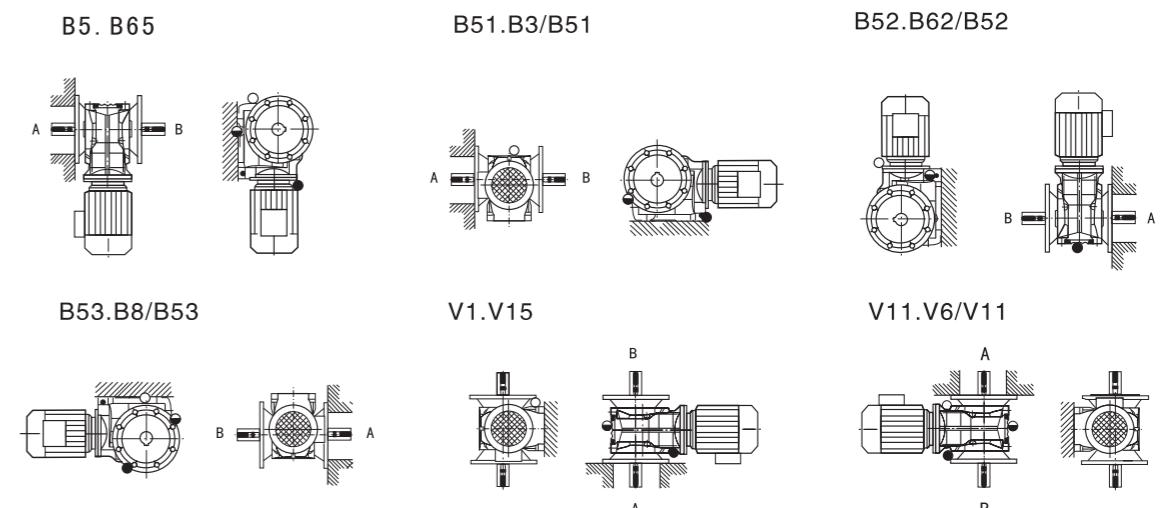


TF.TAF37-107

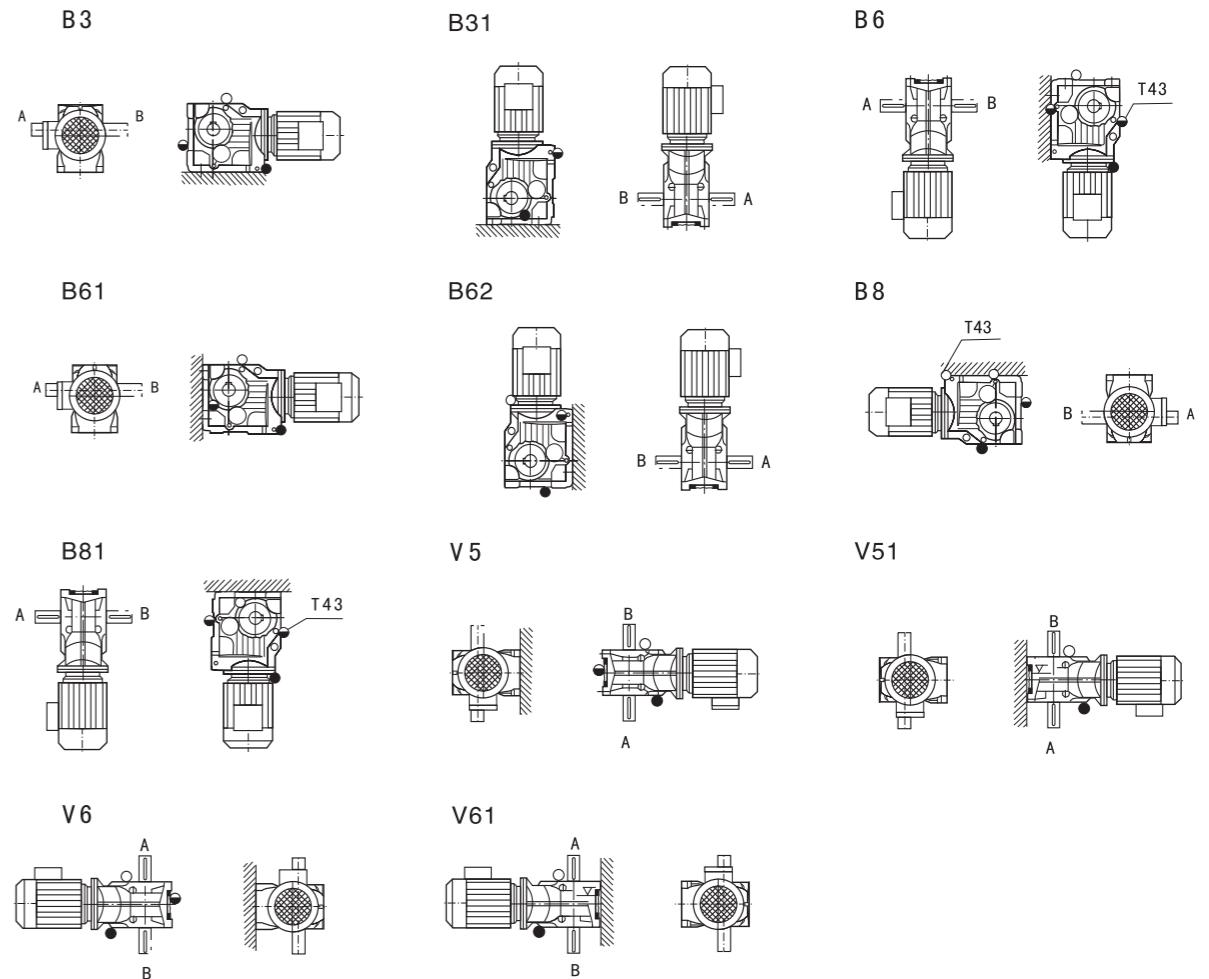


选型安装形式
Mounting position

TF.TAF 127-157



T37-157



选型参数表
Select type parameter table

功率 P_m KW	输出转速 n_a r/min	速比 i	输出扭矩 M_a Nm	使用系数 f_B	型号
功率 P_m KW	输出转速 n_a r/min	速比 i	输出扭矩 M_a Nm	使用系数 f_B	型号
0.12	0.08	17550	11800	1.10	
	0.09	16006	10700	1.20	
	0.11	12440	8010	1.60	T 127D77Y631-4
	0.13	10915	6920	1.90	TF 127D77Y631-4
	0.14	9819	6320	2.10	TA 127D77Y631-4
	0.16	8443	5220	2.25	TAF127D77Y631-4
	0.18	7482	4820	2.40	
0.12	0.10	14311	8630	0.85	
	0.11	12211	8060	1.00	
	0.13	10677	6930	1.15	
	0.14	9524	6280	1.25	T 107D77Y631-4
	0.17	8328	5410	1.50	TF 107D77Y631-4
	0.19	7270	4720	1.70	TA 107D77Y631-4
	0.22	6184	3760	2.10	TAF107D77Y631-4
	0.24	5662	3320	2.40	
	0.27	5138	3020	2.40	
	0.32	4359	2700	2.70	
0.12	0.17	8054	4780	0.80	
	0.20	6970	4350	1.00	
	0.23	6027	3890	1.10	
	0.26	5391	3560	1.20	
	0.30	4669	2950	1.45	
	0.34	4082	2640	1.65	
	0.39	3583	2320	1.85	T 97D57Y631-4
	0.44	3108	2040	2.10	TF 97D57Y631-4
	0.50	2757	1720	2.25	TA 97D57Y631-4
	0.57	2419	1580	2.40	TAF 97D57Y631-4
	0.65	2123	1370	2.90	
	0.74	1856	1220	3.20	
	0.85	1625	1000	3.90	
	0.96	1430	860	4.50	
	1.1	1261	830	4.70	
	1.2	1102	725	5.30	
0.12	0.26	5240	3040	0.80	
	0.30	4562	2565	0.95	
	0.34	4037	2610	1.05	T 87D57Y631-4
	0.38	3609	2330	1.15	TF 87D57Y631-4
	0.44	3107	1990	1.35	TA 87D57Y631-4
	0.51	2728	1700	1.60	TAF 87D57Y631-4
	0.58	2371	1500	1.80	
0.12	1.5	906	585	1.05	T 57D37Y631-4
	1.7	806	525	1.15	TF 57D37Y631-4
	2.0	699	445	1.35	TA 57D37Y631-4
	2.2	615	390	1.55	TAF57D37Y631-4

功率 P_m KW	输出转速 n_a r/min	速比 i	输出扭矩 M_a Nm	使用系数 f_B	型号
功率 P_m KW	输出转速 n_a r/min	速比 i	输出扭矩 M_a Nm	使用系数 f_B	型号
0.12	2.5	544	340	1.75	
	2.9	473	310	1.95	
	3.3	421	265	2.30	
	3.8	362	235	2.25	T 57D37Y631-4
	4.3	319	210	2.60	TF 57D37Y631-4
	4.9	280	176	3.10	TA 57D37Y631-4
	5.6	246	155	3.50	TAF57D37Y631-4
	6.4	215	135	4.00	
	7.2	192	122	4.40	
0.12	2.2	639	390	0.95	
	2.5	552	370	1.10	
	2.8	495	315	1.25	T 47D37Y631-4
	3.2	426	280	1.45	TF 47D37Y631-4
	3.7	375	235	1.70	TA 47D37Y631-4
	4.2	327	215	1.85	TAF47D37Y631-4
	4.8	289	189	2.10	
0.12	4.0	346	210	0.85	
	4.5	304	200	1.00	
	5.2	267	182	1.10	T 37D17Y631-4
	5.9	234	157	1.25	TF 37D17Y631-4
	6.7	205	138	1.45	TA 37D17Y631-4
	7.6	181	120	1.65	TAF37D17Y631-4
	8.6	160	105	1.90	
	10	136	88	2.30	
0.12	9.5	142	121	4.50	T 57Y631-4
	11	132	103	5.20	TF 57Y631-4
	13	105	90	6.00	TA 57Y631-4
	15	91.3	75	7.20	TAF57Y631-4
0.12	10	133	110	3.30	T 47Y631-4
	11	121	101	3.60	TF 47Y631-4
					TA 47Y631-4
					TAF47Y631-4
0.12	13	110	88	2.30	
	14	94.1	81	2.25	
	16	81.6	70	2.60	T 37Y631-4
	19	71.4	60	3.00	TF 37Y631-4
	20	67.0	56	3.20	TA 37Y631-4
	24	59.4	49	3.70	TAF37Y631-4
	28	52.9	41	4.30	
	31	45.6	37	4.90	
0.18	0.28	4669	4500	0.85	T 97D57Y632-4
					TF 97D57Y632-4
					TA 97D57Y632-4
					TAF 97D57Y632-4

选型参数表
Select type parameter table

功率	输出转速	速比	输出扭矩	使用系数	型号	功率	输出转速	速比	输出扭矩	使用系数	型号	
P _m	n _a	i	M _a			P _m	n _a	i	M _a			
KW	r/min	Nm	fB			KW	r/min	Nm	fB			
0.18	0.32	4082	4390	1.00		0.18	1.5	903	880	0.85		
	0.37	3583	3860	1.10			1.7	793	800	0.90		
	0.42	3108	3370	1.25			1.9	697	745	1.10		
	0.48	2757	2910	1.50			2.2	613	655	1.25	T 67D37Y632-4	
	0.55	2419	2640	1.65			2.4	542	580	1.40	TF 67D37Y632-4	
	0.62	2123	2290	1.90			2.8	471	520	1.60	TA 67D37Y632-4	
	0.71	1856	2030	2.10			3.2	420	445	1.85	TAF67D37Y632-4	
	0.81	1625	1710	2.25			3.7	361	395	2.10		
	0.92	1430	1490	2.60			4.1	323	350	2.30		
	1.0	1261	1380	2.80			4.7	279	295	2.50		
	1.2	1102	1210	3.20			0.18	2.2	615	600	0.90	
	1.4	957	1040	3.70			2.4	544	580	1.05		
	1.5	855	930	4.10			2.8	473	515	1.15		
	1.8	743	755	5.20			3.1	421	450	1.35		
	2.0	652	675	5.80			3.6	362	395	1.50	T 57D37Y632-4	
	0.18	0.42	3107	3000	0.80		4.1	319	350	1.75	TF 57D37Y632-4	
		0.48	2728	2600	0.95		4.7	280	300	2.00	TA 57D37Y632-4	
		0.56	2371	2520	1.05		5.4	246	260	2.30	TAF57D37Y632-4	
		0.63	2088	2290	1.20		6.1	215	230	2.30		
		0.71	1854	2030	1.35		6.9	192	205	2.60		
		0.80	1657	1820	1.50		7.9	166	178	3.10		
		0.93	1415	1540	1.75		0.18	3.5	375	400	1.00	
		1.1	1229	1340	2.00		4.0	327	360	1.10		
		1.2	1078	1160	2.30		4.6	289	315	1.25		
		1.4	951	1000	2.40		5.2	256	275	1.45	T 47D37Y632-4	
		1.6	837	870	2.80		5.9	225	245	1.65	TF 47D37Y632-4	
		1.8	726	755	3.30		6.7	198	210	1.90	TA 47D37Y632-4	
	0.18	0.87	1514	1560	0.95		7.7	171	183	2.20	TAF47D37Y632-4	
		0.95	1388	1530	1.00		8.6	153	164	2.40		
		1.1	1218	1340	1.15		10	131	142	2.50		
		1.2	1053	1170	1.35		0.18	6.4	205	200	0.90	T 37D17Y632-4
		1.4	924	1030	1.50			7.3	181	199	1.00	TF 37D17Y632-4
		1.6	815	910	1.70			8.2	160	175	1.15	TA 37D17Y632-4
		1.9	709	750	2.10			9.7	136	148	1.35	TAF37D17Y632-4
		2.1	622	655	2.40			10	127	140	1.45	
		2.4	552	590	2.30		0.18	6.0	147	285	2.50	T 67Y711-6
		2.7	485	515	2.70						TF 67Y711-6	
		3.1	428	455	3.10						TA 67Y711-6	
		3.6	367	400	3.50						TAF 67Y711-6	

选型参数表
Select type parameter table

功率	输出转速	速比	输出扭矩	使用系数	型号	功率	输出转速	速比	输出扭矩	使用系数	型号	
P _m	n _a	i	M _a			P _m	n _a	i	M _a			
KW	r/min	Nm	fB			KW	r/min	Nm	fB			
0.18	7.0	121	245	3.00		0.18	77	16.6	22	7.30		
	8.1	109	215	3.40			86	15.6	20	7.90	T 37Y632-4	
	8.5	101	205	3.50			101	13.8	17	8.70	TF 37Y632-4	
							109	12.3	16	9.00	TA 37Y632-4	
							126	10.6	14	11.0	TAF 37Y632-4	
							148	9.32	12	13.0		
							166	8.20	10	14.0		
	0.18	9.1	147	189	3.80		0.25	0.13	9819	13770	0.85	
		11	121	161	4.50			0.15	8443	13000	1.00	
		12	109	141	5.10			0.17	7482	11700	1.10	
									0.20	6565	10200	1.30
									0.22	5804	8770	1.50
									0.26	5027	7670	1.70
									0.29	4423	6680	1.95
									0.33	3889	5850	2.20
									0.39	3311	4930	2.30
	0.18	6.0	142	285	2.10		0.25	0.21	6184	8500	0.85	
		7.0	132	245	2.25			0.23	5662	7700	0.95	
		8.0	105	215	2.50			0.25	5138	7730	1.05	
		8.5	97.8	205	2.70			0.30	4359	6700	1.20	
		9.6	91.3	178	3.10			0.34	3810	5850	1.35	
		9.1	142	189	2.90			0.39	33			