

# T、TK、TM系列三相交流同步电动机

## T、TK、TM Series Three-Phase AC Synchronous Motors

### 一、产品概述

T、TK、TM系列同步电动机是我公司生产的系列电机产品之一，远销国内外，深受用户欢迎。

该系列同步电动机在设计方面，是用计算机进行优化设计，采用新材料、新工艺，可满足用户各种要求，具有性能可靠、温升低、损耗小、效率高、振动小、起动力矩大、结构简单、便于维护等优点，可用于拖动压缩机、破碎机、球磨机、轧钢机、鼓风机、水泵以及其他通用机械。

### 二、结构说明

该系列同步电动机的结构多样，除一般的双轴承座结构外，还有全悬挂、无轴、无轴承座结构，半悬挂、单轴承座结构；定子可移动结构；集电环带防护罩、正压通风的安全结构；圆型和箱式结构、轴承可承受双轴向推力且能正反转运行等；自通风冷却，卧式和立式安装；带滑环有刷的晶闸管励磁结构，也有无刷励磁结构。

电压等级有380V、3kV、6kV、10kV等。电机防护型式有IP00到IP54的多种防护型式。

本系列的机座、端盖和底板均用钢板制成。定子和轴承均装有测温元件，可以对电机进行温度监控。转子用凸极型磁极，磁极两端装有风扇，冷却风从两端端盖进入，鼓入转子铁心内部，经定子径向通风槽，从机座的出风口逸出，冷却效果良好；也有管道、半管道通风，空-水冷和空-空冷却等型式。轴承有端盖滑动轴承、座式滑动轴承、压力油循环冷却，还有端盖滚动轴承、油脂润滑等。

### 三、型号说明

电动机型号由产品代号、规格代号二部分依次排列组成。产品代号由电机系列代号表示，含义如下：

T——同步电动机； TK——空压机用同步电动机； TM——磨机用同步电动机。

规格代号由额定功率、极数、定子铁心外径组成。示例如下：



### 四、订货须知：请在订货时注明以下内容：

- 1、电机型号；
- 2、额定功率；
- 3、额定电压；
- 4、额定电流；
- 5、额定频率；
- 6、额定转速；
- 7、防护等级；
- 8、旋转方向；
- 9、冷却方法；
- 10、励磁方式；
- 11、外形安装尺寸；
- 12、工作方式；
- 13、包装运输；
- 14、绝缘等级；
- 15、安装方式；
- 16、环境条件。

#### ※注意事项：

- 1、若有其他特殊要求，如特殊环境，安全等级，起动力矩，最大转矩，是否需要装设测温元件、空间加热器等，在订货时另行签订技术协议方可签订订货合同；如未注明，即按国标和我公司标准生产；
- 2、样本内表中所列的技术性能数据均为设计值，与实际值接近，供设计选用和订货时参考，但不能作为考核标准；
- 3、注有“★”的电机，其技术数据、结构和外形安装尺寸需与用户协商进行调整。

#### I . General Description of Product:

T, TK, TM series three-phase synchronous motors, one of series motor products in our company, are exported to various places of the world and are very popular among the users.

The series synchronous motors are made optimization design with computer in respect of design, adopt new materials and new process, and can meet various requirements of users. With the advantages like reliable performance, low temperature rise, small consumption, high efficiency, small vibration, large starting torque, simple structure, convenient maintenance, etc., the series motors can be used to drag compressor, crusher, ball mill, rolling mill, blower, water pump and other general machinery.

#### II . Structrue Discription:

Besides general double bearing pedestal structure, there are also the following structures of synchronous motors: full-suspension,

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non-axis, non-bearing pedestal structure; half-suspension, single bearing pedestal structure; stator movable structure; the safety structure of slip ring with hood and positive pressure ventilation; round and box-type structure, the structure that the bearing can bear double axial direction thrust and can rotate positively and negatively; the structure of self ventilation and cooling, horizontal and vertical installation; thyristor excitation structure with the slip ring of brush, and excitation structure without brush.

Voltage grade has 380V, 3kV, 6kV, 10kV, etc. The protection type of motors is from IP00 to IP54.

Frame, end cover and soleplate of the series are made by armor plate. Stator and bearing are installed with temperature-measuring element which can monitor and control the temperature of motors. Rotor is of salient-pole magnetic pole, two ends of magnetic yoke are installed with fan. Cooling air enters from the end cover of two ends, is blown into the interior of rotor core, passes by stator radial ventilation slot, and emits from the outlet of frame, with good cooling effect. Type has pipeline, half pipeline ventilation, air-water cooling and air-air cooling; there are various bearings like end cover sliding bearing, seat-type sliding bearing, pressure oil circulation cooling bearing, end cover rolling bearing, grease lubrication bearing, etc.

#### III . Symbol Implication:

In accordance with the regulations, the model of motor consists of product symbol and specification symbol orderly. The product symbol is indicated with the symbol of motor series, which is shown as follows:

T——Synchronous Motor; TK——Synchronous Motor Applied in Compressor; TM——Synchronous Motor Applied in Grinding Mill.

#### IV . Odering information: When odering, please clearly specify following requirements:

1. motor type
2. rated power
3. rated voltage
4. rated current
5. rated frequency
6. rated rotation speed
7. protection grade
8. rotation direction
9. cooling method
10. excitation mode
11. overall installation dimension
12. working mode
13. packaging transportation
14. insulation grade
15. installation mode
16. environment condition

#### ※ Points for attention:

1. If there are other special requirements such as special environment, safety grade, starting performance and maximum torque; whether temperature-measuring elements, space heater and other equipment are needed to be installed; another agreement should be signed when ordering. If not specified, produce according to national standards and the standards of our company;
2. Technical performance data listed in stylebook is design value close to actual value, can be selected for design and referenced for ordering, but can't be used as examination standard;
3. The technical data, structure and overall installation dimension of the motors marked with “★” should be adjusted when negotiated with users.

### 五、技术数据表（设计值）

#### V . Technical Data Table (Design Value):

#### 1、T系列同步电动机技术数据：功率因数COSΦ = 0.9（超前）

#### 1. Technical Data of T Series Synchronous Motors: Power Factor COSΦ=0.9 (ahead)

型号	额定功率 (kW)	额定电压 (kV)	额定电流 (A)	额定转速 (r/min)	励磁电压 (V)	励磁电流 (A)	效率 (%)	堵转电流 额定电流	失步转矩 额定转矩	堵转转矩 额定转矩	牵入转矩 额定转矩	电机转动惯量 Jm (kg·m <sup>2</sup> )	重量 (kg)
T200-4/740	200	0.38	367	1500	35.0	73.0	92.0	6.47	1.8	2.43	1.28	50	2500
T530-6/990	530	6/10	60/36	1000	31.2	259.4	94.7	4.6	1.9	1.5	1.1	60	3800
T560-6/990	560	6/10	65/39	1000	35.0	290	94.0	5.7	2.0	1.2	1.0	62	5700 ★
T630-6/990	630	6/10	72/43	1000	37.0	275	94.2	5.0	1.9	1.1	0.9	67	4200
T710-6/990	710	6/10	80/48	1000	40.0	280	94.5	5.6	2.0	1.12	0.95	70	4700
T750-6/990	750	6/10	86/51	1000	36	295	95.0	6.51	2.1	1.3	1.1	72	5200
T800-6/990	800	6/10	90/54	1000	38	310	95.1	6.2	2.1	1.25	1.1	75	5600
T850-6/990	850	6/10	96/57	1000	40	276	95.2	5.6	1.8	1.0	0.8	78	5800 ★
T900-6/990	900	6/10	101/60	1000	45	290	95.4	5.3	1.8	1.0	0.8	80	6500 ★
T1000-6/990	1000	6/10	112/67	1000	48	280	95.5	5.0	1.8	1.0	0.82	83	7200 ★

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型号	额定功率 (kW)	额定电压 (kV)	额定电流 (A)	额定转速 (r/min)	励磁电压 (V)	励磁电流 (A)	效率 (%)	堵转电流 额定电流	失步转矩 额定转矩	堵转转矩 额定转矩	牵入转矩 额定转矩	电机转动惯量 Jm (kg·m <sup>2</sup> )	重量 (kg)	
T530-8/990	530	6/10	61/37	750	57	190	93.5	4.8	1.8	1.0	0.82	68	4200	★
T560-8/990	560	6/10	64/38	750	62	205	93.4	4.5	1.8	0.9	0.85	70	4800	★
T710-8/990	710	6/10	81/49	750	68	196	94.2	4.3	1.8	1.0	0.82	74	6200	★
T900-8/990	900	6/10	102/61	750	56	230	95	4.6	1.8	1.0	0.76	78	7800	
T200-12/990	200	3	46	500	38	125	93.4	6.54	2.21	2.34	0.90	80	4085	
T250-12/990	250	6/10	30/18	500	50	118	92.6	6.7	2.47	1.95	1.04	115	3960	
T100-20/990	100	0.38	187.5	300	30	98.6	91	4.97	1.9	2.0	0.79	60	2500	
T200-20/990	200	0.38	370.3	300	50	110.4	92	5.28	1.91	2.13	0.85	110	3300	
T250-20/990	250	3	58.5	300	68	118	91.5	5.5	2.4	2.0	0.9	120	3800	
T1250-4/1180	1250	10	84	1500	40	400	95.2	5.0	2.0	0.8	1.0	72	7600	
T2500-4/1180	2500	10	167	1500	50	375	95.2	6.5	1.8	1.2	1.1	150	11000	
T630-8/1180	630	6/10	72/43	750	30	300	95.3	5.8	2.5	1.1	1.0	200	6500	★
T800-8/1180	800	6/10	90/54	750	30	320	95.7	6.38	2.15	1.1	1.7	205	6700	
T1000-8/1180	1000	6/10	112/67	750	30	355	95.7	5.6	2.2	1.3	1.0	225	7500	
T1250-8/1180	1250	6/10	139/83	750	60	265	95.8	5.5	2.1	1.1	1.1	250	8000	
T1250-8/1180-1	1250	6/10	139/83	750	55	255	95.8	5.7	2.0	1.05	1.0	325	8350	
T1250-8/1180-2	1250	6/10	139/83	750	55	266	95.8	6.0	2.0	1.1	1.05	330	9600	
T1600-8/1180	1600	6/10	177/106	750	60	212	96.2	5.15	1.8	0.91	1.11	385	10000	
T1600-8/1430	1600	6/10	179/107	750	60	290	95.9	5.0	2.0	1.00	1.0	460	11500	
T400-10/1430	400	6/10	46/28	600	57	167	93	6.5	2.4	1.2	1.1	460	6200	
T630-10/1430	630	6/10	72/43	600	42	218	94	6.2	2.4	1.2	1.1	470	7250	
T710-10/1430	710	6/10	82/49	600	41	218	92.6	6.4	2.23	1.32	1.2	460	8000	
T800-10/1430	800	6/10	91/54	600	67	225	94.2	4.8	2.1	1.0	0.9	462	9000	★
T1000-10/1430	1000	6/10	113/68	600	52	268	94.5	4.8	2.3	1.0	0.9	525	9200	
T1000-10/1430-1	1000	6/10	113/68	600	52	268	94.5	4.8	2.3	1.0	0.9	525	9200	
T1250-10/1430	1250	6/10	140/84	600	75	247.5	95.2	4.8	2.13	1.05	0.95	530	9400	★
T1600-10/1430	1600	10	109.2	600	75	200	94	7.0	2.0	0.7	0.7	560	12800	
T2100-10/1430	2100	6/10	235/142	600	102	220	95	6.5	1.8	0.9	0.75	620	14500	
T550-12/1430	550	6/10	63/38	500	38	240	93.1	5.2	2.3	1.1	1.0	375	8200	★
T320-20/1430	320	3	75.2	300	61	177.2	91	4.3	2.68	1.2	0.72	250	8000	
T350-20/1430	350	6/10	41/25	300	65	186	91.8	4.0	2.5	1.0	0.65	300	8200	★
T1600-10/1730	1600	6/10	181/108	600	95	241.5	94.5	5.5	1.8	1.2	1.0	970	12500	★
T1800-10/1730	1800	6/10	211/126	600	70	265	95.5	5.0	1.8	1.2	0.9	1050	12600	★
T2000-10/1730	2000	6/10	224/134	600	75	281	95.8	4.5	1.8	1.0	0.8	1020	12900	★
T2500-10/1730	2500	6/10	279/167	600	82	285	96.1	5.0	1.8	1.4	0.8	1150	13200	★
T2800-10/1730	2800	6/10	311/186	600	85	290	96.4	4.8	1.82	1.4	0.8	1230	13500	★
T3150-10/1730	3150	6/10	350/210	600	90	296	96.5	5.5	1.7	1.42	0.82	1320	15200	★
T3550-10/1730	3550	6/10	393/235	600	92	305	96.6	4.6	1.8	1.32	0.83	1420	16000	★
T4000-10/1730	4000	6/10	443/265	600	98	268	96.7	5.6	1.8	1.52	0.85	1630	18000	★
T4500-10/1730	4500	6/10	498/298	600	105	300	96.8	4.5	1.8	1.41	0.8	1680	21000	★
T5000-10/1730	5000	6/10	552/331	600	115	315	96.8	4.8	1.7	1.23	0.8	1730	25000	★

## T、TK、TM系列三相交流同步电动机

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型号	额定功率 (kW)	额定电压 (kV)	额定电流 (A)	额定转速 (r/min)	励磁电压 (V)	励磁电流 (A)	效率 (%)	堵转电流 额定电流	失步转矩 额定转矩	堵转转矩 额定转矩	牵入转矩 额定转矩	电机转动惯量 Jm (kg·m <sup>2</sup> )	重量 (kg)	
T1250-12/1730	1250	6/10	141/84	500	105	175	94.5	6.5	2.2	1.45	1.30	950	8500	★
T1600-12/1730	1600	6/10	180/108	500	106	190	95.0	6.5	2.1	1.40	1.25	1000	8900	★
T1800-12/1730	1800	6/10	203/122	500	116	200	95.2	6.5	2.2	1.45	1.27	1075	9100	★
T2000-12/1730	2000	6/10	224/134	500	125	212	95.4	6.5	2.1	1.32	1.25	1100	9500	★
T2500-12/1730	2500	6/10	279/167	500	125	250	96.0	5.0	2.0	1.10	1.0	1125	10000	★
T2800-12/1730	2800	6/10	312/187	500	82	318	96.5	5.0	1.9	1.15	0.85	1230	14600	★
T3150-12/1730	3150	6/10	350/210	500	85	346	96.5	4.7	1.85	1.10	0.82	1320	15400	★
T3550-12/1730	3550	6/10	394/236	500	95	328	96.7	5.0	2.0	1.21	0.86	1430	17000	★
T4000-12/1730	4000	6/10	442/265	500	98	352	96.8	4.6	1.9	1.15	0.83	1570	18200	★
T4500-12/1730	4500	6/10	498/298	500	101	365	96.7	4.5	1.9	1.10	0.82	1700	21000	★
T530-14/1730	530	6/10	61/36	428.6	78	168	93.0	6.5	2.6	1.25	1.2	750	9000	★
T630-14/1730	630	6/10	72/43	428.6	85	172.6	93.3	5.2	2.32	1.20	0.97	760	9500	
T800-14/1730	800	6/10	91/54	428.5	86	185	94.0	5.0	2.2	0.94	0.96	800	10000	★
T1000-14/1730	1000	6/10	113/68	428.5	98	190	94.4	4.5	2.0	1.0	0.8	825	11000	
T1250-14/1730	1250	6/10	141/84	428.5	108	176.5	94.8	6.0	2.2	1.3	1.1	875	11200	★
T1600-14/1730	1600	6/10	180/108	428.5	125	187	95.0	5.3	1.8	1.1	0.9	950	13000	★
T630-16/1730	630	6/10	72/43	375	96.2	172.2	93.0	4.95	2.5	1.15	0.87	1075	8500	
T800-16/1730	800	6/10	91/54	375	85	187	94.0	4.8	3.2	1.1	0.85	1095	8600	★
T1000-16/1730	1000	6/10	114/68	375	97	203	94.5	4.8	2.1	1.2	0.8	1125	8900	★
T1250-16/1730	1250	6/10	141/84	375	98	168	95.3	5.5	2.1	1.17	1.1	1125	9000	
T1600-16/1730	1600	6/10	179/107	375	110	197	95.7	4.8	2.0	1.0	0.9	1150	10000	★
T2000-16/1730	2000	6/10	223/133	375	123	189	95.8	4.9	2.0	1.0	0.92	1200	12000	★
T800-18/1730	800	6/10	91/54	333.3	110	165	93.5	4.5	2.5	1.25	0.76	1050	8200	★
T1000-18/1730	1000	6/10	113/68	333.3	86	218.8	94.8	4.42	2.4	1.05	0.8	1075	8500	★
T1000-18/1730	1000	10	69	333.3	89.5	170.5	92.5	6.5	2.8	1.9	1.1	1085	9200	
T1250-18/1730	1250	6/10	141/84	333.3	136	174	94.8	5.0	2.6	1.0	0.95	1100	9600	★
T1600-18/1730	1600	6/10	180/108	333.3	141	172	95.3	4.8	2.4	0.91	0.9	1125	10000	★
T630-20/1730	630	6/10	73/44	300	72	154	93.6	5.3	2.63	1.2	0.75	1025	10200	★
T800-20/1730	800	6/10	92/55	300	123	185	93.3	4.8	2.8	0.95	0.8	1050	10300	★
T1000-20/1730	1000	6/10	113/68	300	130	178	94.0	4.0	2.5	0.8	0.7	1125	10500	★
T1250-20/1730	1250	6/10	142/85	300	135	164	94.6	5.0	2.7	1.0	0.94	1150	11000	★
T320-24/1730	320	0.38	597	250	83	146	91.2	5.5	3.0	1.15	1.08	1025	7800	
T360-24/1730	360	0.38	665	250	83	146	91.3	5.5	3.0	1.13	1.08	1050	8000	
T360-24/1730-1	360	0.38	665	250	83	146	91.3	5.7	2.9	1.0	1.08	1050	8000	
T360-24/1730-2	360	0.38	665	250	83	146	91.3	5.5	3.0	1.13	1.08	1050	8000	
T400-24/1730	400	10	28	250	62	120.7	92.0	6.0	2.6	0.62	1.3	1150	10320	
T800-24/1730	800	6/10	91/54	250	128	135	93.6	5.5	3.1	1.1	1.05	1200	10500	★
T1000-24/1730	1000	6/10	114/68	250	150	145	94.1	5.5	3.1	1.05	1.0	1250	11600	★
T1250-24/1730	1250	6/10	142/85	250	174	143	94.3	5.2	2.9	1.0	1.0	1280	11900	★
T530-28/1730	530	6/10	62/37	214.3	87.5	198.5	92.6	4.2	2.0	0.93	0.79	975	9800	
T630-28/1730	630	6/10	72/43	214.3	86	195	93.8	3.5	2.67	0.91	0.6	1000	10100	
T800-28/1730	800	6/10	92/55	214.3	105	196	93.4	4.0	3.0	0.85	0.6	1025	10200	★
T1000-28/1730	1000	6/10	114/68	214.3	121	195	93.8	3.6	2.8	0.76	0.6	1075	10500	★

## T、TK、TM系列三相交流同步电动机

### T、TK、TM Series Three-Phase AC Synchronous Motors

型号	额定功率 (kW)	额定电压 (kV)	额定电流 (A)	额定转速 (r/min)	励磁电压 (V)	励磁电流 (A)	效率 (%)	堵转电流 额定电流	失步转矩 额定转矩	堵转转矩 额定转矩	牵入转矩 额定转矩	电机转动惯量 Jm (kg·m <sup>2</sup> )	重量 (kg)
T1600-12/2150	1600	6/10	181/108	500	110	230	94.5	5.8	1.8	1.2	1.1	2400	11600★
T2000-12/2150	2000	6/10	225/135	500	95	270	95.0	5.4	1.9	1.1	1.0	2450	13000★
T2500-12/2150	2500	6/10	280/168	500	110	280	95.5	5.0	1.8	1.0	1.0	2500	14000★
T1250-12/2150	1250	6/10	141/84	375	98.6	197	94.5	6.5	2.5	1.3	1.25	2325	10500★
T1600-12/2150	1600	6/10	178/107	375	110	220	95.0	6.5	2.2	1.33	1.0	2375	12000★
T2000-12/2150	2000	6/10	224/134	375	129	226	95.4	5.4	2.0	1.2	0.95	2500	13000★
T2500-12/2150	2500	6/10	279/167	375	136	250	95.6	5.8	2.0	1.15	0.95	2525	14000★
T630-12/2150	630	6/10	72/43	300	65.3	195.5	93.4	5.89	2.5	1.28	1.14	2100	12500
T800-12/2150	800	6/10	92/55	300	110	170	93.8	5.8	2.0	0.6	1.1	2125	12600★
T1000-12/2150	1000	6/10	115/69	300	122	190	94.4	4.8	2.1	0.89	0.9	2150	12800★
T1250-12/2150	1250	6/10	142/85	300	112	214.6	94.6	3.8	2.0	0.7	0.75	2175	12900★
T1600-20/2150	1600	6/10	180/108	300	130	200	95.3	4.3	2.0	0.8	0.85	2250	13500★
T1800-20/2150	1800	6/10	202/121	300	128	214	95.4	5.4	2.2	0.97	1.1	2375	13600★
T2000-20/2150	2000	6/10	224/134	300	135	227	95.6	4.8	2.1	1.1	0.9	2400	14000★

#### 2、TK系列同步电动机技术数据：功率因数COSΦ = 0.9 (超前)

2. Technical Data of TK Series Synchronous Motors: Power Factor COSΦ=0.9 (ahead)

型号	额定功率 (kW)	额定电压 (kV)	额定电流 (A)	额定转速 (r/min)	励磁电压 (V)	励磁电流 (A)	效率 (%)	堵转电流 额定电流	失步转矩 额定转矩	堵转转矩 额定转矩	牵入转矩 额定转矩	电机转动惯量 Jm (kg·m <sup>2</sup> )	重量 (kg)
TK560-6/990	560	6/10	64/38	1000	35	285	93.5	5.0	2.1	1.0	0.9	62	4300★
TK630-6/990	630	6/10	72/43	1000	38	279	93.7	5.3	2.0	1.05	0.9	67	4800★
TK710-6/990	710	6/10	81/49	1000	45	280	93.8	5.8	2.0	1.1	0.92	70	5400★
TK750-6/990	750	6/10	86/51	1000	38	290	94.0	6.5	1.8	1.25	0.95	72	6200★
TK800-6/990	800	6/10	91/54	1000	40	315	94.2	5.6	1.8	1.0	0.8	75	7000★
TK850-6/990	850	6/10	96/57	1000	42	290	94.5	5.7	1.8	1.0	0.8	78	7600★
TK900-6/990	900	6/10	101/60	1000	46	298	94.6	5.5	1.8	0.9	0.8	80	8000★
TK530-8/990	530	6/10	61/37	750	58	195	93.2	4.8	1.8	1.0	0.8	68	4500★
TK560-8/990	560	6/10	64/38	750	62	205	93.4	4.5	1.8	0.9	0.82	70	5000★
TK630-8/990	630	6/10	72/43	750	68	198	93.8	4.8	1.8	1.0	0.8	72	5600★
TK710-8/990	710	6/10	81/49	750	69	196	94.0	4.6	1.8	1.0	0.85	74	6200★
TK800-8/990	800	6/10	90/54	750	68	210	94.2	4.5	1.8	0.9	0.75	76	7300★
TK900-8/990	900	6/10	102/61	750	60	235	94.8	4.5	1.8	0.9	0.75	78	8000★
TK1600-10/1730	1600	6/10	181/108	600	91	242	94.0	5.4	2.0	1.1	1.0	1000	12600★
TK1800-10/1730	1800	6/10	202/121	600	75	266	95.0	5.8	1.9	1.21	0.95	1100	12800★
TK2000-10/1730	2000	6/10	225/135	600	80	282	95.5	5.6	1.9	1.2	0.85	1120	13200★
TK2500-10/1730	2500	6/10	281/168	600	85	292	95.7	6.0	1.85	1.3	0.8	1200	13600★
TK2800-10/1730	2800	6/10	312/187	600	90	295	96.0	6.0	1.8	1.3	0.8	1250	14000★
TK3150-10/1730	3150	6/10	351/210	600	95	300	96.2	6.5	1.9	1.32	0.8	1320	15500★
TK3550-10/1730	3550	6/10	394/236	600	98	312	96.3	5.7	1.8	1.21	0.85	1420	16400★
TK4000-10/1730	4000	6/10	443/265	600	105	272	96.5	6.0	1.8	1.35	0.87	1680	19200★
TK4500-10/1730	4500	6/10	498/298	600	110	301	96.7	5.8	1.8	1.32	0.8	1720	22000★
TK5000-10/1730	5000	6/10	553/331	600	125	321	96.8	5.4	1.7	1.12	0.82	1800	25000★

## T、TK、TM系列三相交流同步电动机

### T、TK、TM Series Three-Phase AC Synchronous Motors

型号	额定功率 (kW)	额定电压 (kV)	额定电流 (A)	额定转速 (r/min)	励磁电压 (V)	励磁电流 (A)	效率 (%)	堵转电流 额定电流	失步转矩 额定转矩	堵转转矩 额定转矩	牵入转矩 额定转矩	电机转动惯量 Jm (kg·m <sup>2</sup> )	重量 (kg)
TK250-12/990	250	6/10	29/17	500	50	130	92.1	6.1	3.2	2.0	1.0	120	3700
TK320-12/990	320	0.38	571	500	36	184	92.8	6.0	1.8	1.0	0.9	107	3750
TK550-12/1430	550	6/10	63/38	500	38	240	93.7	5.2	2.3	1.1	1.0	375	8200
TK2800-12/1730	2800	6/10	312/187	500	85	320	96.1	5.5	1.9	1.1	0.8	1260	14200★
TK3150-12/1730	3150	6/10	350/210	500	90	352	96.2	5.0	1.9	1.0	0.82	1300	16800★
TK3550-12/1730	3550	6/10	395/237	500	105	338	96.5	5.6	2.0	1.2	0.85	1450	18600★
TK4000-12/1730	4000	6/10	443/265	500	110	365	96.6	5.0	2.0	1.1	0.82	1560	20600★
TK4500-12/1730	4500	6/10	498/298	500	115	372	96.8	5.0	1.9	1.0	0.82	1720	22500★
TK250-14/1180	250	6/10	29/17	428.5	32	200	92.3	5.4	2.5	1.0	1.1	125	3800
TK350-14/1180	350	6/10	41/25	428.5	40	225.8	92.8	4.3	2.33	1.04	0.8	137	3900
TK530-14/1730	530	6/10	61/37	428.5	78	168	93.0	6.5	2.6	1.25	1.2	750	9000★
TK630-14/1730	630	6/10	72/43	428.5	85	172.6	93.3	5.2	2.32	1.2	0.97	875	9500
TK800-14/1730	800	6/10	91/54	428.5	86	185	94.0	5.0	2.2	0.94	0.96	885	9800★
TK1000-14/1730	1000	6/10	113/68	428.5	98	190	94.4	4.5	2.0	1.0	0.8	895	10500★
TK1250-14/1730	1250	6/10	141/84	428.5	108	176.5	94.8	6.0	2.2	1.3	1.1	900	11000★
TK1600-14/1730	1600	6/10	180/108	428.5	125	187	95.0	5.3	1.8	1.1	0.9	950	12000★
TK1700-14/1730	1700	6/10	191/114	428.5	120	205	95.0	5.0	1.75	1.0	0.85	1100	14200
TK630-16/1730	630	6/10	72/43	375	96.2	172.2	93.0	4.95	2.5	1.15	0.87	980	8500★
TK630-16/1730	630	6/10	44/26	375	70	160	93.2	6.3	2.2	1.2	1.1	1075	9500
TK800-16/1730	800	6/10	91/54	375	85	187	94.0	4.8	3.2	1.1	0.85	1125	8600★
TK1000-16/1730	1000	6/10	113/68	375	97	203	94.5	4.8	2.1	1.1	0.9	1137	9000★
TK1250-16/1730	1250	6/10	141/84	375	98	168	95.3	5.5	2.1	1.17	1.1	1150	12000★
TK1600-16/1730	1600	6/10	180/108	375	110	197	95.7	4.8	2.0	1.0	0.9	1180	13000★
TK2000-16/1730	2000	6/10	223/133	375	123	189	95.8	4.9	2.0	1.0	0.92	1200	13600★
TK800-18/1730	800	6/10	91/54	333.33	110	165	93.5	4.5	2.5	1.25	0.76	1000	9000★
TK1000-18/1730	1000	6/10	113/68	333.33	86	218.8	94.8	4.42	2.4	1.05	0.8	1075	9200
TK1250-18/1730	1250	6/10	141/84	333.33	136	174	94.8	5.0	2.6	1.0	0.95	1100	9300★
TK1600-18/1730	1600	6/10	198/119	333.33	141	172	95.3	4.8	2.4	0.91	0.9	1125	9400★
TK350-20/1430	350	6/10	41/25	300	65	186	91.8	4.0	2.5	1.0	0.65	300	8000
TK2200-16/2150	2200	6/10	247/148	375	125	275	94.7	6.0	1.82	0.9	0.62	2150	14550
TK630-20/2150	630	6/10	72/43	300	65.3	195.5	93.4	5.89	2.53	1.227	1.14	2100	12500
TK800-20/2150	800	6/10	92/55	300	110	170	92.6	5.8	2.4	1.1	1.1	2125	12600
TK1000-20/2150	1000	6/10	115/69	300	122	190	92.7	4.8	2.1	0.89	0.9	2150	12800★
TK1250-20/2150	1250	6/10	142/85	300	112	214.6	94.0	3.8	2.0	0.7	0.75	2175	12900★
TK1600-20/2150	1600	6/10	180/108	300	130	200	95.3	4.3	2.0	0.8	0.85	2250	13200★
TK1800-20/2150	1800	6/10	203/122	300	125	228	96.0	4.5	2.1	1.0	0.9	2500	14000
TK2000-20/2150	2000	6/10	224/134	300	135	227	95.6	4.8	2.1	1.0	0.9	2750	14000★
TK2500-20/2150	2500	6/10	279/167	300	147	228	96.0	4.5	2.0	0.95	0.8	2850	15000★

## T、TK、TM系列三相交流同步电动机

T、TK、TM Series Three-Phase AC Synchronous Motors

### 3、TM系列同步电动机技术数据：功率因数 $\cos\phi = 0.9$ （超前）

3. Technical Data of TM Series Synchronous Motors: Power Factor  $\cos\phi=0.9$  (ahead)

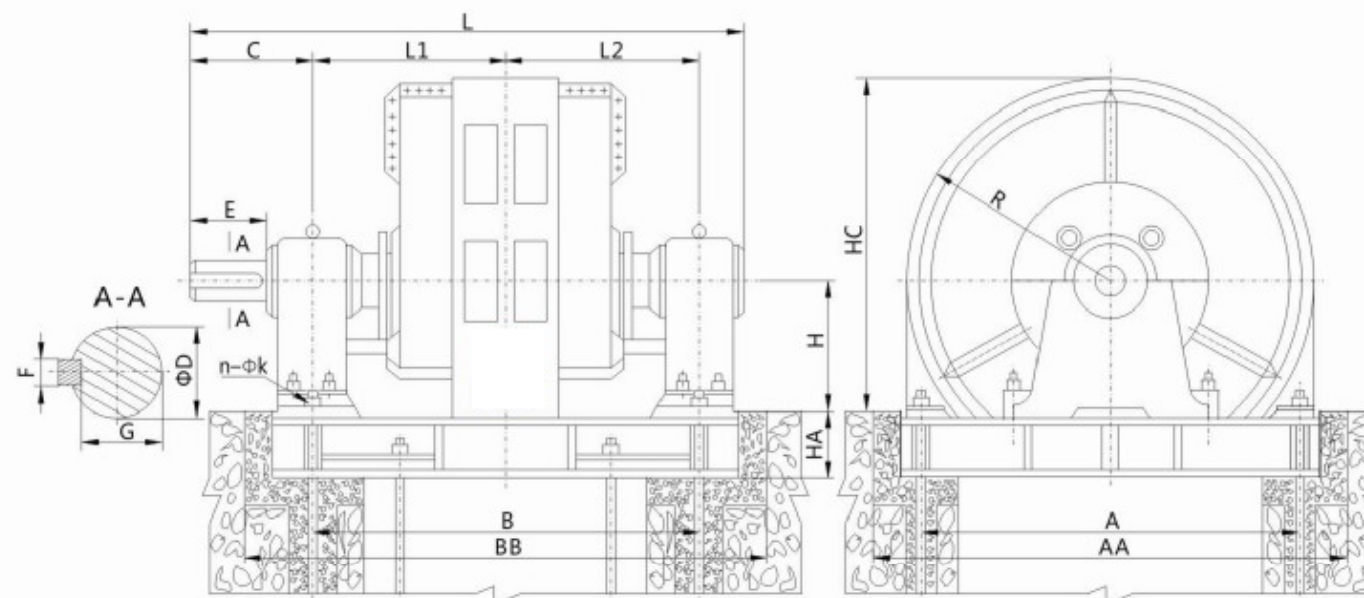
型号	额定功率 (kW)	额定电压 (kV)	额定电流 (A)	额定转速 (r/min)	励磁电压 (V)	励磁电流 (A)	效率 (%)	堵转电流 额定电流	失步转矩 额定转矩	堵转转矩 额定转矩	牵入转矩 额定转矩	电机转动惯量 $J_m$ (kg·m <sup>2</sup> )	重量 (kg)	
TM2800-4/1500	2800	6/10	312/187	1500	30	743	95.8	5.8	2.3	1.45	0.72	560	21500	★
TM3000-4/1500	3000	6/10	334/200	1500	30	780	96.0	5.6	2.2	1.40	0.71	580	22000	★
TM3150-4/1500	3150	6/10	350/210	1500	32	800	96.1	5.2	2.17	1.35	0.75	590	23000	★
TM3550-4/1500	3550	6/10	393/235	1500	32	810	96.3	5.4	2.0	1.32	0.74	610	24000	★
TM4000-4/1500	4000	6/10	442/265	1500	32.5	805	96.5	5.2	1.9	1.35	0.75	630	24500	★
TM4500-4/1500	4500	6/10	496/297	1500	34	793	96.6	5.4	1.8	1.36	0.72	640	25000	★
TM5000-4/1500	5000	6/10	551/330	1500	35	810	96.7	5.8	1.9	1.42	0.74	660	26000	★
TM5600-4/1500	5600	6/10	616/369	1500	36	810	96.8	6.0	1.9	1.45	0.75	670	26500	★
TM6300-4/1500	6300	6/10	692/414	1500	38	785	96.85	6.2	1.8	1.52	0.76	676	27000	★
TM7100-4/1500	7100	6/10	793/475	1500	39	765	97.0	6.5	1.8	1.57	0.77	680	27500	★
TM7500-4/1500	7500	6/10	823/493	1500	33	815	97.0	6.0	1.8	1.67	0.70	675	27800	
TM1000-10/1430	1000	10	68.2	600	85	200	93.8	6.2	2.25	2.22	0.90	546	12800	
TM630-20/2150	630	10	44	300	75	220	92.5	6.5	2.5	1.8	1.0	1300	13000	
TM600-24/1730	600	6/10	69/41	250	110	145	93.3	4.9	2.43	1.12	0.73	1100	10000	
TM800-24/1730	800	6/10	91/54	250	128	135	93.6	5.5	3.1	1.1	1.05	1200	10500	★
TM1000-24/1730	1000	6/10	114/68	250	150	145	94.1	5.5	3.1	1.05	1.05	1250	11600	★
TM1250-24/1730	1250	6/10	142/85	250	174	143	94.3	5.2	2.9	1.0	1.0	1280	11800	★
TM630-24/2150	630	6/10	73/44	250	81	205	92.6	7.1	2.76	1.82	1.11	2400	12000	
TM400-32/2150	400	10	28.5	187.5	105	120	92.3	7.0	2.5	1.87	0.56	2010	12200	
TM800-32/2150	800	6/10	92/55	187.5	146	181.3	92.7	4.8	2.1	1.32	0.75	2875	14200	
TM1000-32/2150	1000	6/10	115/69	187.5	156	178	93.4	4.5	3.1	1.15	0.66	3000	14500	★
TM1250-32/2150	1250	6/10	142/85	187.5	172	190	94.0	4.0	2.8	1.0	0.6	3125	14600	★
TM800-36/2150	800	10	55.5	166.7	185	110	92.8	6.3	2.65	1.75	0.9	2810	16400	

## T、TK、TM系列三相交流同步电动机

T、TK、TM Series Three-Phase AC Synchronous Motors

### 六、T、TK、TM系列三相同步电动机外形及安装尺寸(mm)

VI. Overall and Installation Dimension (mm) of T, TK, TM Series Synchronous Motors:



注：带“\*”号尺寸为参考尺寸。

型号		A	B	C	D	E	F	G	H	R	L	L1*	L2*	AA*	BB*	HA	HC	n-k	
T系列	TK系列	TM系列																	
T560-6/990			1160	1560	450	150	250	40	137	630	640	2190	630	930	1400	1880	250	1520	4-M36
	TK250-14/1180		1300	1450	450	150	250	36	138	630	750	2080	675	775	1540	1770	250	1630	4-M36
T630-8/1180	TK630-8/1180	TM630-8/1180	1300	1500	450	150	250	40	137	630	750	2130	700	800	1540	1820	250	1630	4-M42
T800-8/1180	TK800-8/1180	TM800-8/1180	1300	1500	450	150	250	40	137	630	750	2130	700	800	1540	1820	250	1630	4-M42
T1000-8/1180	TK1000-8/1180	TM1000-8/1180	1300	1600	530	180	300	45	165	630	750	2340	747	853	1540	1960	300	1680	4-M42
T1250-8/1180	TK1000-8/1180	TM1250-8/1180	1300	1900	530	180	300	45	165	630	750	2640	803	1097	1540	2260	300	1680	4-M42
T1250-8/1180-1			1400	1800	520	160	300	40	147	630	800	2510	780	1000	1640	2120	250	1680	4-M42
T1250-8/1180-2			2080	2140	530	180	300	45	165	630	800	2880	970	1170	2340	2480	280	1710	4-M36
T1600-8/1430			2080	1870	520	180	300	45	165	630	930	2570	870	1000	2430	2210	280	1840	4-M42
T400-10/1430			1750	1700	580	200	350	45	185	630	930	2490	750	950	1990	2060	300	1860	4-M42
T320-20/1430			1750	1700	580	200	350	45	185	630	930	2490	750	950	1990	2060	300	1860	4-M42
T630-10/1430	TK630-10/1430	TM630-10/1430	1750	1700	580	200	350	45	185	630	930	2490	750	950	1990	2060	300	1860	4-M42
T710-10/1430	TK710-10/1430	TM710-10/1430	1750	1700	580	200	350	45	165	630	930	2490	750	950	1990	2060	300	1860	4-M42
T800-10/1430	TK800-10/1430	TM800-10/1430	1750	1700	580	200	350	45	165	630	930	2490	750	950	1990	2060	300	1860	4-M42
T1000-10/1430	TK1000-10/1430	TM1000-10/1430	1750	1700	530	160	300	40	147	630	930	2440	750	950	1990	2060	300	1860	4-M42
T1000-10/1180-1			1650	1550	525	160	200	40	147	630	930	2285	700	850	1960	1890	200	1760	4-M42
T1250-10/1430	TK1250-10/1430	TM1250-10/1430	1750	1700	530	180	300	45	165	630	930	2440	780	920	1990	2060	300	1860	4-M42
T1600-10/1430	TK1600-10/1430	TM1600-10/1430	1750	1900	580	200	350	45	185	630	930	2690	900	1000	1990	2260	300	1980	4-M42
T1600-10/1730	TK1600-10/1730	TM1600-10/1730	2240	2000	580	200	350	45	185	630	1050	2790	800	1200	2500	2360	300	1980	4-M42
T1800-10/1730	TK1800-10/1730	TM1800-10/1730	2240	2000	580	200	350	45	185	630	1050	2790	800	1200	2500	2360	300	1980	4-M42
T2000-10/1730	TK2000-10/1730	TM2000-10/1730	2240	2000	580	200	350	45	185	630	1050	2790	800	1200	2500	2360	300	1980	4-M42
T2500-10/1730	TK2500-10/1730	TM2500-10/1730	2240	2100	580	200	350	45	185	630	1050	2890	850	1250	2500	2460	300	1980	4-M42
T2800-10/1730	TK2800-10/1730	TM2800-10/1730	2240	2100	580	200	350	45	185	630	1050	2890	850	1250	2500	2460	300	1980	4-M42
T3150-10/1730	TK3150-10/1730	TM3150-10/1730	2240	2100	610	220	410	50	203	630	1050	2960	900	1200	2500	2500	320	2000	4-M48

## T、TK、TM系列三相交流同步电动机

T、TK、TM Series Three-Phase AC Synchronous Motors

型号			A	B	C	D	E	F	G	H	R	L	L1*	L2*	AA*	BB*	HA	HC	n-k	
T系列	TK系列	TM系列																		
T3550-10/1730	TK3550-10/1730	TM3550-10/1730	2240	2100	680	250	410	56	230	630	1050	3030	900	1200	2500	2670	370	2050	4-M48	
T4000-10/1730	TK4000-10/1730	TM4000-10/1730	2240	2270	680	250	410	56	230	630	1050	3200	970	1300	2500	2670	370	2050	4-M56	
T4500-10/1730	TK4500-10/1730	TM4500-10/1730	2240	2270	680	250	410	56	230	630	1050	3200	970	1300	2500	2670	370	2050	4-M56	
T5000-10/1730	TK5000-10/1220	TM5000-10/1730	2240	2270	680	250	410	56	230	630	1050	3200	970	1300	2500	2670	370	2050	6-M56	
	TK550-12/1430		1750	1700	580	200	350	45	185	630	930	2490	750	950	1900	2060	300	1860	4-M42	
T350-20/1430	TK350-20/1430	TM350-20/1430	1750	1700	680	200	350	45	185	630	930	2490	750	950	1900	2060	300	1860	4-M42	
T1250-12/1730	TK1250-12/1730	TM1250-12/1730	2240	2200	580	200	350	45	185	630	1050	2790	800	1200	2500	2360	300	1980	4-M42	
T1600-12/1730	TK1600-12/1730	TM1600-12/1730	2240	2200	580	200	350	45	185	630	1050	2790	820	1180	2500	2360	300	1980	4-M42	
T1800-12/1730	TK1800-12/1730	TM1800-12/1730	2240	2200	580	200	350	45	185	630	1050	2790	850	1150	2500	2360	300	1980	4-M42	
T2000-12/1730	TK2000-12/1730	TM2000-12/1730	2240	2100	610	200	350	50	203	630	1050	2910	900	1200	2500	2460	320	2000	4-M42	
T2500-12/1730	TK2500-12/1730	TM2500-12/1730	2240	2100	610	200	350	50	203	630	1050	2910	900	1200	2500	2460	320	2000	4-M42	
T2800-12/1730		TM2800-12/1730	2240	2100	610	220	350	50	203	630	1050	2960	900	1200	2500	2500	320	2010	4-M48	
T3150-12/1730		TM3150-12/1730	2240	2100	610	220	350	50	203	630	1050	2960	900	1200	2500	2500	320	2010	4-M48	
T3350-12/1730		TM3350-12/1730	2240	2270	680	250	410	56	230	630	1050	3200	910	1300	2500	2670	370	2050	4-M48	
T4000-12/1730		TM4000-12/1730	2240	2370	680	250	410	56	230	630	1050	3200	910	1300	2500	2670	370	2050	4-M48	
T4500-12/1730		TM4500-12/1730	2240	2280	680	250	410	56	230	630	1050	3250	980	1340	2500	2720	370	2050	4-M56	
T530-14/1730	TK530-12/1730	TM530-14/1730	2240	1700	530	180	300	45	165	630	1050	2240	750	950	2500	2060	300	1980	4-M42	
T630-14/1730	TK630-12/1730	TM630-14/1730	2240	1700	530	180	300	45	165	630	1050	2240	780	900	2500	2060	300	1980	4-M42	
T800-14/1730	TK800-12/1730	TM800-14/1730	2240	1700	530	180	300	45	165	630	1050	2240	800	900	2500	2060	300	1980	4-M42	
T1000-14/1730	TK1000-12/1730	TM1000-14/1730	2240	1800	580	200	350	45	185	630	1050	2540	830	970	2500	2160	300	1980	4-M42	
T1250-14/1730	TK1250-14/1730	TM1250-14/1730	2240	1800	580	200	350	45	185	630	1050	2540	830	970	2500	2160	300	1980	4-M42	
T1600-14/1730	TK1600-14/1730	TM1600-14/1730	2240	2000	580	200	350	45	185	630	1050	2790	850	1150	2500	2360	300	1980	4-M42	
T630-16/1730	TK630-16/1730	TM630-16/1730	2240	1700	530	180	300	45	165	630	1050	2240	780	970	2500	2060	300	1980	4-M42	
T800-16/1730	TK800-16/1730	TM800-16/1730	2240	1800	580	200	350	45	185	630	1050	2540	830	970	2500	2160	300	1980	4-M42	
T1000-16/1730	TK1000-16/1730	TM1000-16/1730	2240	1800	580	200	350	45	185	630	1050	2540	830	970	2500	2160	300	1980	4-M42	
T1250-16/1730	TK1250-16/1730	TM1250-16/1730	2240	1900	580	200	350	45	185	630	1050	2640	850	1050	2500	2260	300	1980	4-M42	
T1600-16/1730	TK1600-16/1730	TM1600-16/1730	2240	2000	580	200	350	45	185	630	1050	2790	850	1050	2500	2360	300	1980	4-M42	
T2000-16/1730	TK2000-16/1730	TM2000-16/1730	2240	2100	580	220	350	50	203	630	1050	2900	870	1230	2500	2460	300	1980	4-M42	
T800-18/1730	TK800-18/1730	TM800-18/1730	2240	1900	580	220	350	45	185	630	1050	2640	850	1050	2500	2260	300	1980	4-M42	
T1000-18/1730	TK800-18/1730	TM800-18/1730	2500	2565	610	220	350	45	185	630	1200	3355	940	1625	2800	2985	320	2150	4-M42	
T1000-18/1730	TK800-18/1730	TM800-18/1730	2240	2030	180	200	350	45	185	630	1052	2620	830	1200	2500	2390	300	1980	4-M42	
T1250-18/1730	TK1250-18/1730	TM1250-18/1730	2240	1900	580	200	350	45	185	630	1050	2690	850	1050	2500	2260	300	1980	4-M42	
T1600-16/1730	TK1600-16/1730	TM1600-16/1730	2240	2000	580	200	350	45	185	630	1050	2740	860	1140	2500	2360	320	2000	4-M42	
T630-20/1730	TK630-20/1730	TM630-20/1730	2240	2000	580	200	350	45	185	630	1050	2795	700	1300	2500	2360	300	1980	4-M42	
T800-20/1730	TK800-20/1730	TM800-20/1730	2240	2000	580	200	350	45	185	630	1050	2795	850	1150	2500	2360	300	1980	4-M42	
T800-20/1730	TK800-20/1730	TM800-20/1730	2240	2000	580	200	350	45	185	630	1050	2795	850	1150	2500	2360	300	1980	4-M42	
T1250-20/1730	TK1250-20/1730	TM1250-20/1730	2240	2000	580	200	350	45	185	630	1050	2795	850	1150	2500	2360	300	1980	4-M42	
T320-24/1730	TK320-24/1730	TM320-24/1730	2240	1770	600	200	350	45	185	630	1050	2580	710	1060	2500	2130	300	1982	4-M42	
T360-24/1730	TK360-24/1730	TM360-24/1730	2240	1770	600	200	350	45	185	630	1050	2580	710	1060	2500	2130	300	1982	4-M42	
T400-24/1730	TK400-24/1730	TM400-24/1730	2240	1770	600	200	350	45	185	630	1052	2580	710	1060	2500	2130	300	1982	4-M42	
T600-24/1730	TK600-24/1730	TM600-24/1730	2750	1500	595	200	320	45	185	630	1250	2305	700	800	3040	2860	290	2170	4-M42	
T800-24/1730	TK800-24/1730	TM800-24/1730	2240	1800	580	200	350	45	185	630	1050	2590	850	950	2500	2160	300	1982	4-M42	

## T、TK、TM系列三相交流同步电动机

T、TK、TM Series Three-Phase AC Synchronous Motors

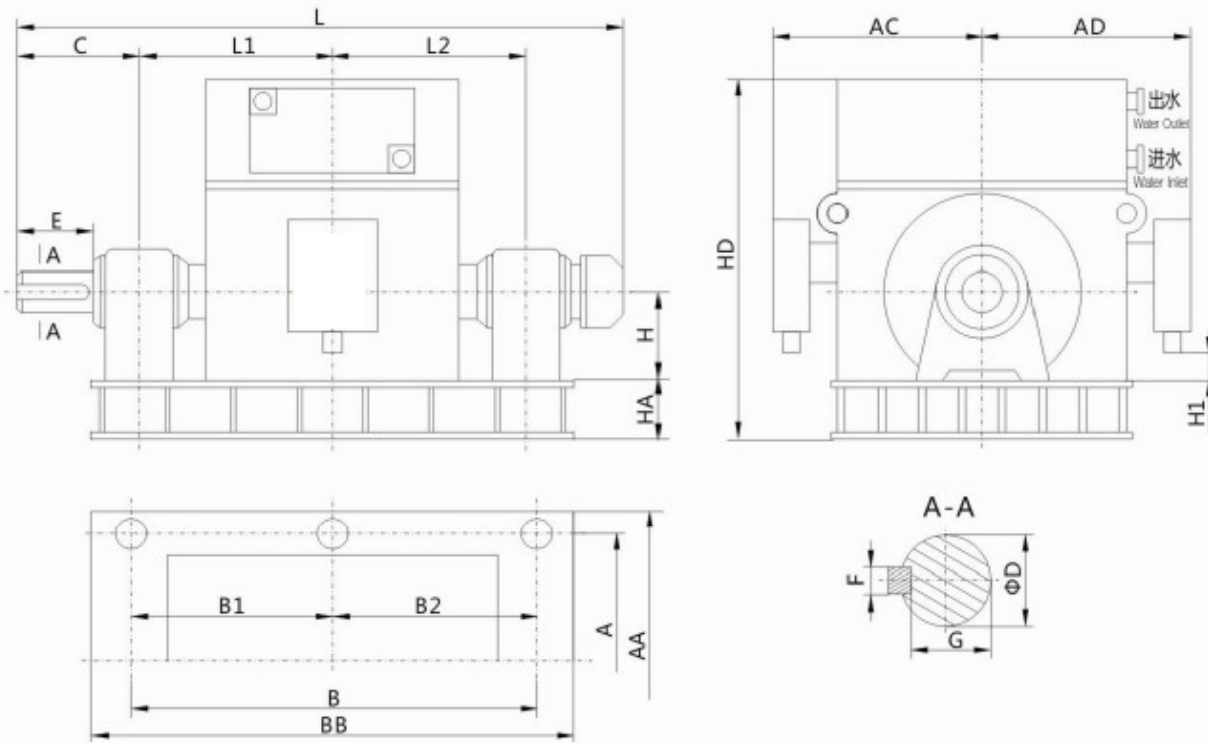
型号			A	B	C	D	E	F	G	H	R	L	L1*	L2*	AA*	BB*	HA	HC	n-k	
T系列	TK系列	TM系列																		
T1000-24/1730	TK1000-24/1730	TM1000-24/1730	2240	1900	580	200	350	45	185	630	1050	2690	810	1030	2500	2260	300	1982	4-M42	
T1250-24/1730	TK1250-24/1730	TM1250-24/1730	2240	1900	580	200	350	45	185	630	1050	2590	810	1030	2500	2260	300	1982	4-M42	
T530-28/1730	TK530-28/1730	TM530-28/1730	2160	1720	620	200	220	50	203	630	1050	2550	770	950	2460	2110	300	1980	4-M42	
T630-28/1730	TK530-28/1730	TM530-28/1730	2100	1720	620	220	350	50	203	630	1050	2550	770	950	2740	2110	300	1980	4-M42	
T800-28/1730	TK800-28/1730	TM800-28/1730	2160	1800	580	200	350	45	185	630	1050	2590	830	970	2500	2160	300	1980	4-M42	
T1000-28/1730	TK1000-28/1730	TM1000-28/1730	2160	1800	580	200	350	45	185	630	1050	2590	830	970	2500	2160	300	1980	4-M42	
T1600-12/2150	TK1600-12/1730	TM1600-12/2150	2750	1800	580	200	350	45	185	630	1350	2590	820	980	3040	2160	320	2300	4-M42	
T2000-12/2150	TK2000-12/1730	TM2000-12/2150	2750	1900	580	220	350	50	203	630	1350	2690	850	1050	3040	2260	320	2300	4-M56	
T2500-12/2150	TK2500-12/1730	TM2500-12/2150	2750	2000	580	220	350	50	203	630	1350	2790	870	1130	3040	2360	320	2300	4-M56	
T1250-16/2150	TK1250-16/1730	TM1250-16/2150	2750	1800	580	200	350	45	185	630	1350	2590	870	980	3040	2160	320	2300	4-M42	
T1600-12/2150	TK1600-28/1730	TM1600-28/2150	2750	1900	580	220	350	50	203	630	1350	2690	850	1050	3040	2260	320	2300	4-M48	
T2200-16/2150	TK2200-16/1730	TM2200-16/1730	2750	2400	580	200	350	45	185	630	1350	3190	800	1600	3040	2760	320	2300	4-M48	
T2500-16/2150	TK2500-16/1730	TM2500-16/1730	2750	2000	580	200	350	50	203	630	1350	2790	870	1130	3040	2360	320	2300	4-M56	
T630-20/2150	TK2500-20/2150	TM630-20/2150	2750	2000	580	200	350	45	185	630	1450	2790	850	1150	3040	2360	320	2300	4-M42	
		TM630-20/2150	3300	2240	580	200	350	45	185	630	1350	3030	890	1350	3600	2600	350	2430	4-M48	
T800-20/2150	TK800-20/2150	TM800-20/2150	2750	2100	580	200	350	45	185	630	1350	2890	870	1230	3040	2460	320	2300	4-M42	
T1000-20/2150	TK1000-20/2150	TM1000-20/2150	2750	2100	580	200	350	45	185	630										

## T、TK、TM系列三相交流同步电动机

T、TK、TM Series Three-Phase AC Synchronous Motors

### 七、T、TK、TM系列箱式结构三相同步电动机外形及安装尺寸(mm)

VII. Overall and Installation Dimensions (mm) of T, TK, TM Series Squire Type Frame Synchronous Motors:



注：带“\*”号尺寸为参考尺寸。

型号			A	AC	AD	B	B1	C	D	E	F	G	H	H1	L	L1*	L2*	AA*	BB*	HA	HD	n-k
T系列	TK系列	TM系列																				
T2800-4/1500	TK2800-4/1500	TM2800-4/1500	1800	1450	1450	2500		675	250	410	56	230	630	800	3800	1250	1250	2100	2900	370	3200	4-M48
T3000-4/1500	TK3000-4/1500	TM3000-4/1500	1800	1450	1450	2500		675	250	410	56	230	630	800	3800	1250	1250	2100	2900	370	3200	4-M48
T3500-4/1500	TK3500-4/1500	TM3500-4/1500	1800	1450	1450	2500	1250	675	250	410	56	230	630	800	3800	1250	1250	2100	2900	370	3200	4-M48
T4000-4/1500	TK4000-4/1500	TM4000-4/1500	1800	1450	1450	2500	1250	675	250	410	56	230	630	800	3800	1250	1250	2100	2900	370	3200	6-M48
T4500-4/1500	TK4500-4/1500	TM4500-4/1500	1800	1450	1450	2700	1350	675	250	410	56	230	630	800	4000	1350	1350	2100	3100	370	3200	6-M48
T5000-4/1500	TK5000-4/1500	TM5000-4/1500	1800	1450	1450	2700	1350	675	250	410	56	230	630	800	4000	1350	1350	2100	3100	370	3200	6-M48
T5600-4/1500	TK5600-4/1500	TM5600-4/1500	1800	1450	1450	2800	1400	675	250	410	56	230	630	800	4100	1400	1400	2100	3200	370	3200	6-M48
T6300-4/1500	TK6300-4/1500	TM6300-4/1500	1800	1450	1450	3000	1500	675	250	410	56	230	630	800	4300	1500	1500	2100	3200	370	3200	6-M48
T7100-4/1500	TK7100-4/1500	TM7100-4/1500	1800	1450	1450	3000	1500	675	250	410	56	230	630	800	4300	1500	1500	2100	3400	370	3200	6-M48
T7500-4/1500	TK7500-4/1500	TM7500-4/1500	1800	1450	1450	3000	1500	675	240	410			630	800	4300	1500	1500	2100	3400	370	3200	6-M48
T800-24/1730	TK800-24/1730	TM800-24/1730	2240			2200		580	200	350	45	185	630	1050	2990	900	1300	2500	3500	300	1980	4-M42
T1000-24/1730	TK1000-24/1730	TM1000-24/1730	2240			2200		580	200	350	45	185	630	1050	2990	900	1300	2500	3500	300	1980	4-M42
T1250-24/1730	TK1250-24/1730	TM1250-24/1730	2240			2200		580	200	350	45	185	630	1050	3090	950	1350	2500	2660	300	1980	4-M42
T800-32/2150	TK800-32/2150	TM800-32/2150	2750			1860		560	200	350	45	185	630	1350	2656	800	1060	3040	2280	340	2320	4-M42
T1000-32/2150	TK1000-32/2150	TM1000-32/2150	2750			1860		560	200	350	45	185	630	1350	2656	800	1060	3040	2280	340	2320	4-M42
T1250-32/2150	TK1250-32/2150	TM1250-32/2150	2750			2000		560	200	350	45	185	630	1350	3030	850	1150	3040	2360	340	2320	4-M42

## TL系列立式大型三相交流同步电动机

TL Series Vertical Large-sized Three-phase AC Synchronous Motors

### 一、产品概述 General Description of Product:

TL系列立式大型三相交流同步电动机为传动立式轴流泵或离心式水泵之用。

该系列电动机的旋转方向从电机顶端下视为顺时针，额定电压为6kV、10kV，额定功率为50Hz；功率因数为0.9（超前），允许全电压启动。励磁装置可成套供应。根据用户需要，可以派生制造其他功率和极数的电机。

TL series vertical large-sized three-phase synchronous motors drive vertical axial-flow pump or centrifugal water pump.

The rotation direction of series TL motors is clockwise when looked from the top of motor. Rated voltage is 6kV, 10kV; rated power is 50Hz; power factor is 0.9 (ahead), and the whole voltage is allowed to start. The excitation device can be supplied in a set. According to the requirements of users, the motors with other power and number of poles can be derived from the series motors.

### 二、型号说明 Structure Discription:

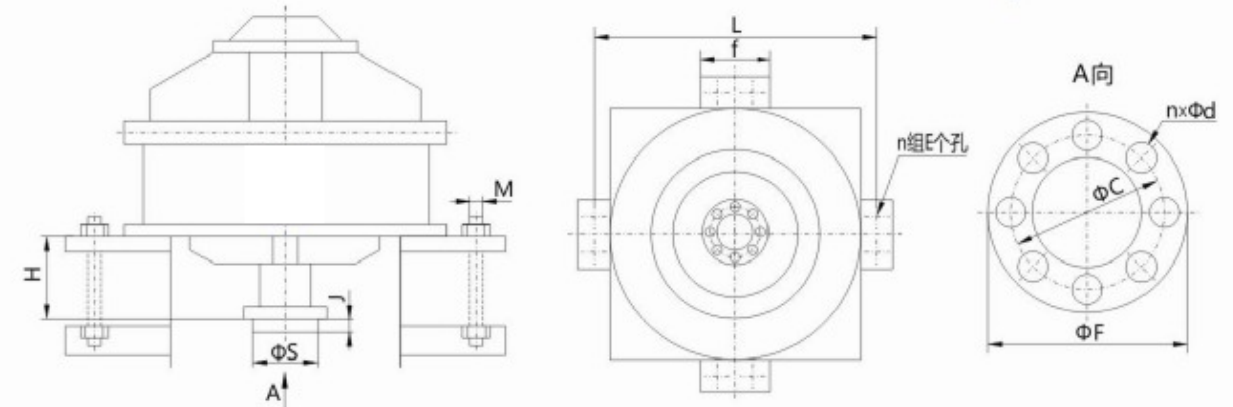
该系列电动机型号由产品代号、规格代号二部分依次排列组成。产品代号由电机系列代号表示；规格代号由额定功率、极数、定子铁心外径组成。示例如下：

The type of the series motors is arranged by product code and specification code in order. Product code is shown by motor series code; specification code is consisted of rated power, number of poles, and outer diameter of stator core. As follows:



### 三、TL系列立式同步电动机技术参数及外形安装尺寸

Technical Parameter and Overall Installation Dimension of TL Series Vertical Synchronous Motors:



型号	额定功率 (kW)	额定电压 (kV)	额定电流 (A)	额定转速 (r/min)	效率 (%)	启动电流 额定电流	启动转矩 额定转矩	最大转矩 额定转矩	输入转矩 额定转矩	通风型式	总重 (T)	法兰尺寸 (mm)						H	地脚螺栓尺寸 (mm)				
												ΦC	ΦS	J	Φd	n	ΦF		L	f	m	E	M
TL630-24/2150	630	10	44.0	250	91.7	5.5	0.7	1.9	1.0	开启式	15.8	420	340	9	45	8	500	1280	2880	350	4	8	42
TL800-24/2150	800	10	55.0	250	92.5	5.0	0.7	1.8	1.1	开启式	15.2	420	340	9	45	8	500	1280	2900	350	4	8	42
TL1000-20/2150	1000	10	68.7	300	93.3	5.5	0.7	1.8	1.0	开启式	15.8	420	340	9	45	8	500	1280	2880	350	4	8	42
TL1250-16/2150	1250	6	145	375	92.0	5.5	0.6	1.6	1.0	开启式	16.0	480	220	15	32	12	550	1280	2900	350	4	8	42
TL2000-20/2600	2000	6	227	300	94.0	6.0	0.7	1.8	1.0	开启式	38.7	440	280	10	50	10	540	1280	3600	800	4	8	42
TL900-28/2150	900	10	61.0	214.3	93.0	5.0	0.7	1.8	1.0	开启式	15.2	420	340	9	45	8	500	1280	2900	350	4	8	42
TL1600-28/2600	1600	6	242	214.3	94.3	4.7	0.5	2.35	1.01	开启式	37.0	500	400	16	54	12	620	2150	3440	400	4	8	42
TL1000-40/3250	1000	10	69.0	150	92.0	5.5	0.67	1.8	1.0	开启式	42.0	510	360	12	55	12	635	1900	4300	800	4	12	48
TL1600-40/3250	1600	6	183	150	92.5	6.0	0.45	1.8	1.0	开启式	42.0	510	360	12	55	12	635	1900	4300	800	4	12	48
TL2300-32/3250	2300	6	258.8	187.5	95.2	6.0	0.68	1.9	1.3	开启式	42.0	510	360	12	55	12	635	2175	4320	800	4	8	48
TL3000-40/3250	3000	6	340	150	95.0	4.8	0.6	1.8	1.1	半罩式	47.0	600	450	15	70	12	740	1660	4700	600	4	8	48