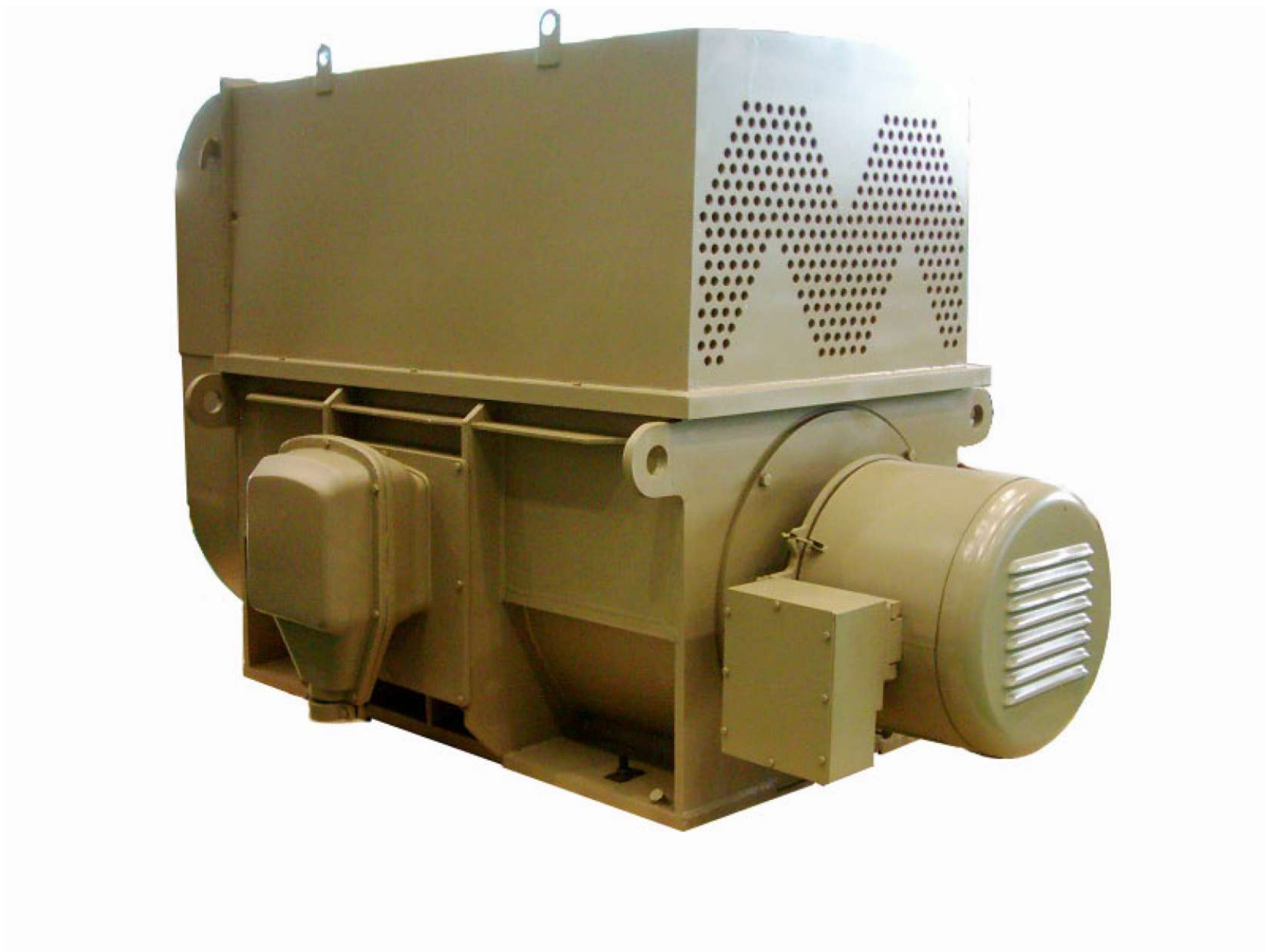


YRKK(710~1000) 6kV Three Phase Asynchronous Motor



XIAN PUTAI ELECTRIC MOTOR EQUIPMENT CO., LTD.

1、概述

General (YRKK系列6KV)

YRKK系列6KV三相异步电动机 (中心高710~1000) 为绕线型转子三相异步电动机, 该三相异步电动机是按照GB/T 13957-1992技术条件生产的。该电动机的防护等级为IP44或IP54, 冷却方法为IC611。

本系列电动机具有高效、节能、噪音低、振动小、重量轻、性能可靠、安装维修方便等优点。

本系列电动机能在较小的起动电流下, 提供较大的起动转矩; 馈电线路容量不足以起动鼠笼转子电动机; 起动时间较长和起动比较频繁; 需要小范围调速等场合。如拖动卷扬机、轧机、拉丝机等。

本系列电动机结构及安装型式为IMB3, 额定是以连续工作制 (S1) 为基础的连续定额, 电动机的额定频率为50Hz, 额定电压为6KV, 其它电压等级或特殊要求, 在订货时可与用户共同商订。

YRKK series (6KV) motor is of wound rotor three phase asynchronous motor(center height from 710mm to 1000mm), which complies with GB/Y13957-1992. The protection degree of the motor is of IP44/IP54 and the cooling method is of IC611.

The motor has such advantage as high efficiency, energysaving, low noise, low vibration, light weight and reliable performance. They are easy for installation and maintenance.

This motor can generate larger starting torque at the state of relatively lower starting current. It used where the capacity of the feeder line is insufficient to start a squirrel cage motor or where the longer starting time and frequent starting are needed or where adjustment of speed is needed within a limited range such as windlass, press manchine, drawing machines.

The structure and the mounting type is of IMB3 with continuous duty (S1). The rated frequency is 50Hz and the rated voltage is 6000V, other voltage requirement or special requirements should be negotiate with the manufacturer before order is placed.

2、型号含义

The meaning of type:

YRKK 7101 - 6

电机极数 Wound rotor induction motor with a closed air-air cooler

机座中心高355mm, 1号铁心长 Center height is 710mm, NO.1 iron core

封闭带空-空冷却器绕线型转子三相异步电动机 pole number

3、技术数据见表1

Technical data see Appendix 1

4、外形安装尺寸见表2

Mounting and Contour Dimensions see Appendix 2

5、订货须知 (用户订货时须注明如下要求)

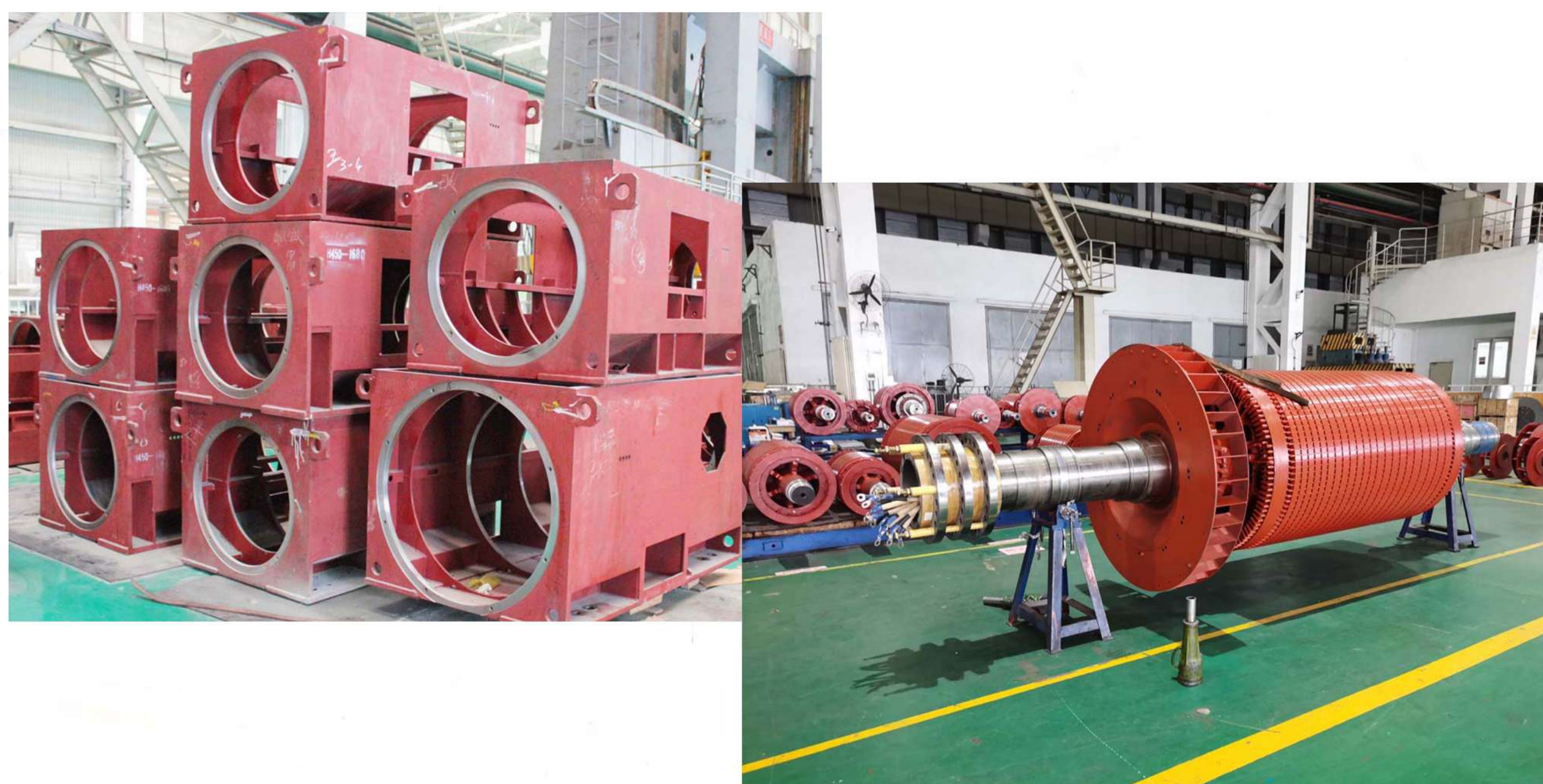
When ordering, the following requirements should be specified:

电机型号: (YRKK7101-4)	Frame size(such as: YRKK7101-4)
安装方式: (IMB3)	Mounting Type (IMB3)
额定功率: (2240KW)	Rated power (2240KW)
防护等级: (IP44或IP54)	Protection Degree (IP44或IP54)
额定电压: (6000V)	Rated Voltage (6000V)
冷却方式: (IC611)	Cooling Method (IC611)
额定频率: (50Hz)	Rated Frequency (50Hz)
绝缘等级: (F级)	Insulation Class (Class F)
同步转速: (1000r/min)	Synchronous Speed(1000r/min)
环境条件: (海拔1000m,环境温度40℃)	

Ambient Conditions(altitude should not be over 1000 meters above sea level, the vary of ambient temperature should not exceed 40℃).

注: 4极电机禁止用皮带轮传动; 其他极数若需皮带轮传动应与制造商协商。

Note: Belt driving is not allowed on the motor of 4 poles. Belt driving applied on the motor of other poles, should be negotiated with manufacturer.



YRKK 系列6KV三相异步电动机 (中心高710~1000)

表1

型 号 Type	额定功率 KW Rated power	额定电流 A rated current	转 速 speed r/min	效率 efficiency %	功率因数 power factor Cos φ	最大转矩 额定转矩 Max.torque Rated torque	转子电压 V	转子电流 A	J (电机) Motor kgm.m ²	质 量 Mass kg	加油周期 Lubrication Time h
YRKK7101-4	2240	260	1485	95.3	0.87	1.8	1406	953		16100	
YRKK7102-4	2500	290		95.4			1517	986		16250	
YRKK7103-4	2800	324		95.5			1643	1018		16500	
YRKK7104-4	3150	364		95.6			1793	1048		16700	
YRKK8001-4	3550	410	1490	95.7	0.87	1.8	1598	1344		19500	
YRKK8002-4	4000	462		95.8			1746	1385		21100	
YRKK8003-4	4500	519		95.9			1923	1168		21400	
YRKK7101-6	1600	190	990	95.1	0.85	1.8	1475	644		16150	
YRKK7102-6	1800	214		95.1			1583	678		16270	
YRKK7103-6	2000	238		95.2			1705	698		16510	
YRKK7104-6	2240	266		95.2			1848	722		16720	
YRKK8001-6	2500	297	990	95.3	0.85	1.8	1158	1331		19300	
YRKK8002-6	2800	322		95.4			1255	1373		20900	
YRKK8003-6	3150	373		95.5			1321	1418		21120	
YRKK8004-6	3550	420		95.6			1508	1441		21350	
YRKK7101-8	1400	172	740	94.5	0.83	1.8	1390	596		15550	
YRKK7102-8	1600	196		94.6			1530	619		15950	
YRKK7103-8	1800	220		94.7			1705	626		16680	
YRKK8001-8	2000	245	740	94.8	0.83	1.8	1228	993		19980	
YRKK8002-8	2240	274		94.9			1304	1046		20920	
YRKK8003-8	2500	301		95.0	0.84		1397	1089		22520	
YRKK9001-8	2800	337	745	95.1	0.84	1.8	1878	915		23860	
YRKK9002-8	3150	379		95.2			2023	957		24670	
YRKK9003-8	3550	427		95.3			2210	996		25625	
YRKK7101-10	1120	142	595	93.9	0.81	1.8	1527	432		15520	
YRKK7102-10	1250	158		94.0			1698	432		16260	
YRKK7103-10	1400	177		94.1			1914	430		16970	
YRKK8001-10	1600	202	595	94.2	0.81	1.8	1578	621		19520	
YRKK8002-10	1800	227		94.3			1685	711		20900	
YRKK8003-10	2000	252		94.4			1939	676		21050	
YRKK9001-10	2240	278	595	94.5	0.82	1.8	1943	706		22940	
YRKK9002-10	2500	310		94.6			2202	691		23770	
YRKK9003-10	2800	347		94.7			2544	671		24440	
YRKK9004-10	3150	390		94.8			2754	694		25200	

YRKK 系列6KV三相异步电动机 (中心高710~1000)

续表1

型 号 Type	额定功率 KW Rated power	额定电流 A rated current	转 速 speed r/min	效率 efficiency %	功率因数 power factor Cos φ	最大转矩 额定转矩 Max.torque Rated torque	转子电压 V	转子电流 A	J (电机) Motor kgm.m ²	质 量 Mass kg	加油周期 Lubrication Time h
YRKK10001-10	3550	439	595	94.9	0.82	1.8	1960	635		27050	
YRKK10002-10	4000	494		95.0			2160	649		28200	
YRKK10003-10	4500	555		95.1			2401	656		29200	
YRKK7101-12	900	119	495	93.3	0.78	1.8	1189	445		16150	
YRKK7102-12	1000	132		93.4			1262	465		16270	
YRKK7103-12	1120	148		93.5			1347	489		16510	
YRKK8001-12	1250	165	495	93.6	0.78	1.8	1274	590		20800	
YRKK8002-12	1400	184		93.7			1402	620		21200	
YRKK8003-12	1600	210		93.8			1506	662		21800	
YRKK8004-14	1800	236		93.9			1747	635		22200	
YRKK9001-12	2000	259	495	94.0	0.79	1.8	1828	681		23650	
YRKK9002-12	2240	290		94.1			2232	616		24370	
YRKK9003-12	2500	323		94.2			2338	659		25150	
YRKK10001-12	2800	362	495	94.3	0.79	1.8	1498	663		27000	
YRKK10002-12	3150	406		94.4			1686	661		28250	
YRKK10003-12	3550	458		94.5			1998	624		29370	
YRKK10004-12	4000	515		94.6			1147	623		30400	
YRKK7101-16	500	73	370	92.0	0.72	1.8	890	329		15110	
YRKK7102-16	560	81		92.1			958	342		15850	
YRKK7103-16	630	91		92.2			1037	355		16110	
YRKK7104-16	710	103		92.3			1132	366		16960	
YRKK8001-16	800	116	370	92.4	0.72	1.8	1028	488		17200	
YRKK8002-16	900	130		92.5			1122	504		18500	
YRKK8003-16	1000	144		92.6			1237	506		20400	
YRKK8004-16	1120	161		92.7			1373	509		20750	
YRKK9001-16	1250	175	370	92.8	0.74	1.8	1647	472		23700	
YRKK9002-16	1400	196		92.9			1748	498		24300	
YRKK9003-16	1600	224		93.0			1867	536		24880	
YRKK10001-16	1800	251	370	93.1	0.74	1.8	1180	541		27600	
YRKK10002-16	2000	279		93.2			1267	563		28750	
YRKK10003-16	2240	312		93.3			1478	536		29840	

YRKK 系列6KV三相异步电动机 (中心高710~1000)

YRKK系列6KV (中心高H710~1000) 三相异步电动机安装尺寸图

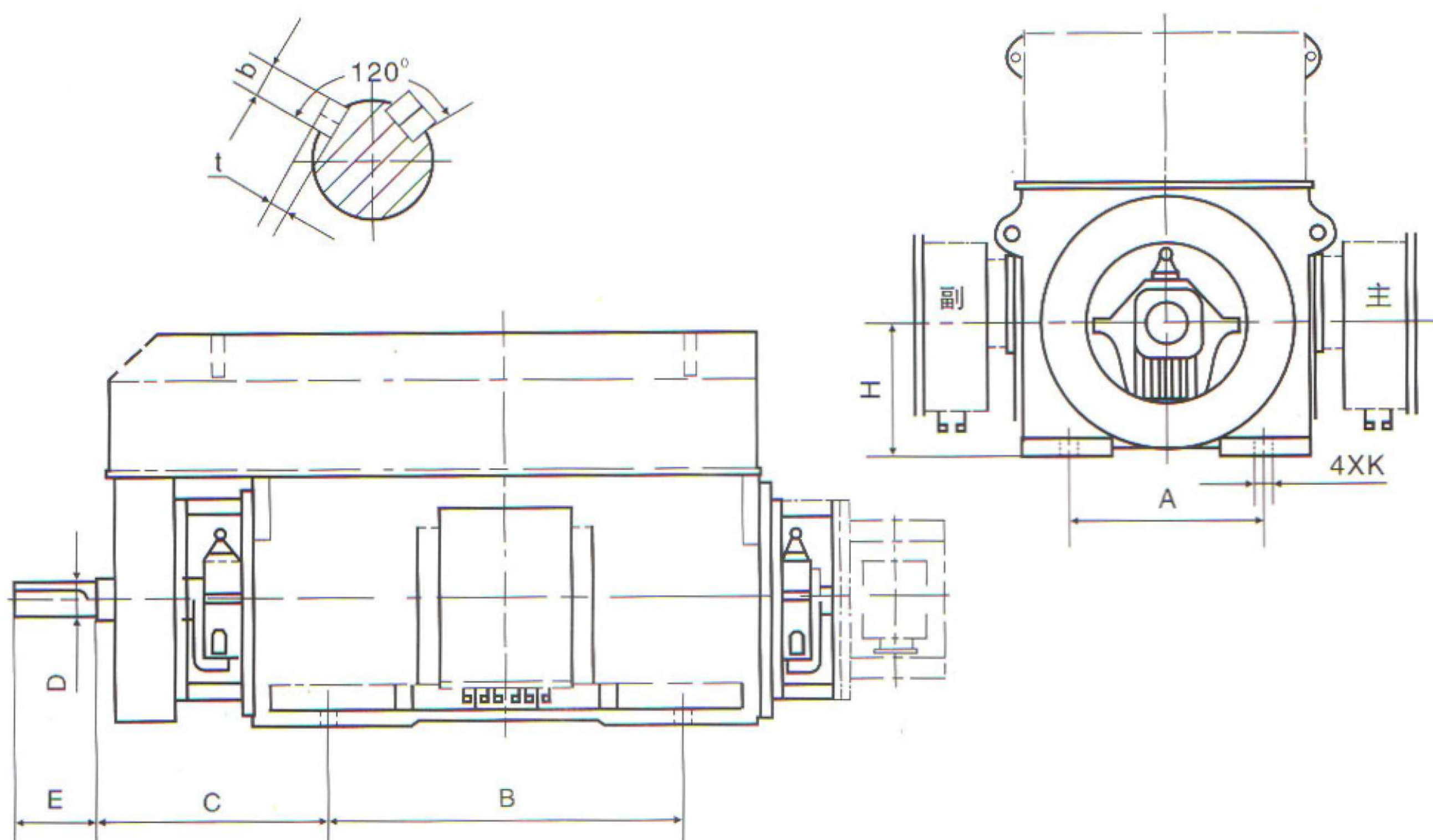


表 2

机座号 Frame size	电机安装尺寸及公差 (Mounting dimensions and tolerance)															
	A		B		C		D		E		t		b	H		K
	基本尺寸 basic size	极限偏差 Deviation	基本尺寸 basic size	极限偏差 Deviation	基本尺寸 basic size	极限偏差 Deviation	基本尺寸 basic size	极限偏差 Deviation	基本尺寸 basic size	极限偏差 Deviation	基本尺寸 basic size	极限偏差 Deviation	基本尺寸 basic size	基本尺寸 basic size	极限偏差 Deviation	基本尺寸 basic size
710	1400	±2.8	1800	±2.8	1000	±4.2	200	+0.046 +0.017	350	±0.70	14	0	51	710	0 -1.5	56
800	1600		2000				220				16	-0.11	57.1	800		
900	1800	±3.5	2240	±3.5	1200	±4.2	250	+0.052 +0.020	410	±0.77	18	0	64.6	900	0 -1.5	66
1000	2000		2500				280				20	-0.13	72.1	1000		

注: 1.2000KW以上电机为两个出线盒。

2.样本数据仅供参考,如有更改不再另行通知。

Notice: 1. There are two terminal boxes for the motors of 2000KW and above.

2. This catalogue data is only for reference, if there was any modification, forgive for not giving any notice separately.