

# Y,YKS,YKK 系列

中型高压 (6kV、10kV) 笼型三相异步电动机

# YR,YRKS,YRKK 系列

中型高压 (6kV、10kV) 绕线转子三相异步电动机

Y,YKS,YKK Series Medium-sized High Voltage (6kV,10kV)  
3-phase Asynchronous Motor

YR,YRKS,YRKK Series Medium-sized High Voltage (6kV,10kV)  
Round-rotor  
3-phase Asynchronous Motor



(H355-630)

大连嘉隆电机有限公司  
大连达尔马电机有限公司  
(原大连第三电机厂)

DALIAN JIALONG ELECTRIC MOTORS CO., LTD.  
DALIAN DALMO ELECTRIC MOTORS CO., LTD.  
(DALIAN THIRD ELECTRIC WORKS)



达尔马



## 概 述 (*Introduction*)

Y, YKS, YKK, YR, YRKS, YRKK系列高压三相异步电动机是我公司采用国内外先进技术，结合我公司生产高压电动机的实践经验而设计制造的优化系列产品，具有结构紧凑、重量轻、高效、节能、噪声低、振动小、可靠性高、使用寿命长、安装维护方便等优点。

本系列电动机适用于驱动各种通风机、压缩机、水泵、破碎机、切削机床、运输机械及其它机械设备，在矿山、机械、石油、化工、电站等各种工矿企业中作原动机用，如用以传动鼓风机、磨煤机、轧钢机、卷扬机、皮带机的电动机在订货时需提供有关技术资料，并要签订技术协议，作为电机特殊设计的依据，以确保电机的可靠运行。

本系列电动机采用F级绝缘，温升按B级考核，额定频率50Hz，额定电压为3kV、6kV和10kV三种，也可按订货要求制造60Hz和其它电压的电动机。

本系列电动机的基本安装形式为卧式带底脚(IMB3)结构。

Y, YKS, YKK, YR, YRKS, YRKK series of high-voltage, 3-phase asynchronous motors are the optimum companion products this Company has combined the advanced technique both at home and abroad with its practical experience in producing high-voltage motors to design and manufacture, and they are the updated products, the new ones are more compact in structure, lighter in weight, higher in efficiency, more economic in energy, lower in noise, less in vibration, higher in reliability, long in service life and easier in installation and maintenance.

This companion motors are suitable for driving various ventilators, compressors, water pumps, crushers, stock-removing machines, convey machines and other mechanic equipment, and also used as prime motors in Minings, machinery, petroleum, chemicals, power stations and other industrial and mining enterprises. If they are used as motors for blowers, coal mills, rolling machines, winding engines and belt machines, It's necessary to offer the relevantly technical materials when ordering, and sign a technical agreement as the basis of special design for motors so as to ensure their reliable running.

For the companion motors, adopt Grade F insulation, check the temp. rise as the standard of Grade B and the rated frequency: 50Hz, three kinds of voltages: 3kV, 6kV and 10kV. But the special motors including 60 Hz and other voltages can also be made according to the order requirements.

The basical installation type is a horizontal style structure with feet(IMB3).





# Y, YKS, YKK 系列中型高压(6kV, 10kV)三相异步电动机 (H355-630)

## 结构特点 (Feature of structure)

电动机采用箱形结构，机座由钢板焊接成箱形，重量轻，刚度好。机座两侧面及顶部开有窗口，一方面便于电机的维护保养，另一方面，在顶部安装不同的冷却器，可以派生不同冷却方式和不同防护等级的电动机。

定子采用外压装结构，定子绕组采用F级绝缘材料，10kV电动机采用可靠的防电晕措施，绕组端部有可靠的固定及绑扎，并采用真空压力浸渍无溶剂漆工艺(VPI)处理，因此电动机的绝缘性能好，机械强度高，防潮能力强，使用寿命长。

鼠笼转子有铸铝和铜条两种结构，采用先进可靠的铸铝工艺或焊接工艺制造而成，并经过动平衡校验，因此电动机运行平稳可靠。

轴承采用滚动轴承和滑动轴承两种形式，由电动机功率大小和转速高低而定，其防护等级为IP44或IP54。滚动轴承设有不停机注排油装置。

主接线盒置于电动机右侧(从轴伸端看)，也可按用户要求置于左侧，接线盒的内外均设有单独的接地端子。

根据用户要求，可在定子绕组、轴承等重要部位加设测温装置，便于现场观察和远距离监控，以保证电动机安全可靠地运行。

For the motor, a box style structure is adopted and the base is welded into a box shape therefore light in weight and strong in rigidity. There's a window each on both sides and at the top of base. On the one hand, it can be easy to maintain, and the other hand, the different coolers installed at top can derive the various motors with different cooling modes and protecting grades.

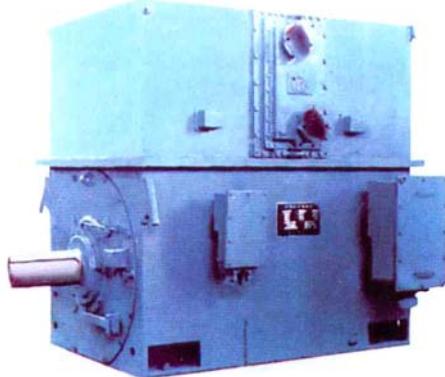
For the stator, the outboard structure is adopted, for the coil, Grade F insulating material adopted, for 10kV motor, the anticontra measure adopted. The end of coil is firmly tied and fixed: and the vacuum-pressure, non-soivent paint-immersed technology treatment(VPI)adopted therefore. It's high in mechanic strength, strong in moisture proof ability and long in service life.

The cage rotor includes two kinds of structures, cast aluminium and cooper strip. They are made through the advanced and reliable cast-aluminium or welding skills and pass the dynamic balancing test, so they are smooth and reliable in running.

For the bearing, the rolling and silding bearing are adopted. They are decided by the power and the rotational speed of the motor. The protecting grade: IP44 or IP54. For the rolling bearing, there's an operational oil-pouring device.

The main wiring box is installed on the right side of motor (Seen from the end of projecting shaft), but can also be installed on the left side according to the customers' demands. There's an individunl ground terminal both inside and outside the wiring box.

In accordance with the demands of customers, a temp-testing device can be added to the stator coil, bearing and other important positions to be easy to observe on the field and monitor at a distance for its safe and reliable running.





Y、YR系列为基本系列电动机，YKS、YKK和YRKS、YRKK系列是根据电动机的冷却方式和防护等级不同而派生的系列产品，Y、YKS、YKK和YR、YRKS、YRKK系列产品特征见下表：

Y,YR companion is a basical one and YKS, YKK and YRKS,YRKK companions are the serial products derived according to the difference of cooling modes and protecting grades. About the characteristics of Y, YKS, YKK and YR,YRKS,YRKK companion products, please see the following list.

系列 Series	型式 Type	冷却方式 Cooling Mode	防护等级 Protecting Grade	冷却结构 Cooling Structure
Y YR	开启式 Open style	IC01	IP23	带通风顶罩和不带顶罩在机座侧板开窗口两种形式。 Includes the two kinds: one is with ventilating top-cover and the other is without ventilating top-cover, but a window is in the side plate of base.
	管道通风式 Pipe ventilating style	IC11、IC21、 IC31	IP44	管道通风 Pipe ventilation
YKS YRKS	空/水冷却 封闭式 Air/Water cool Enclosed style	IC81W	IP44 或IP54 IP44 or IP54	机座顶部带空/水冷却器 With and air/water cooler at the top of base
YKK YRKK	空/空冷却 封闭式 Air/Air cool Enclosed style	IC611 或IC616 IC611 or IC616	IP44 或IP54 IP44 or IP54	机座顶部带空/空冷却器 With and air/air cooler at the top of base

本系列电动机符合国际电工委员会IEC有关标准,符合GB755《旋转电机定额和性能》的规定。

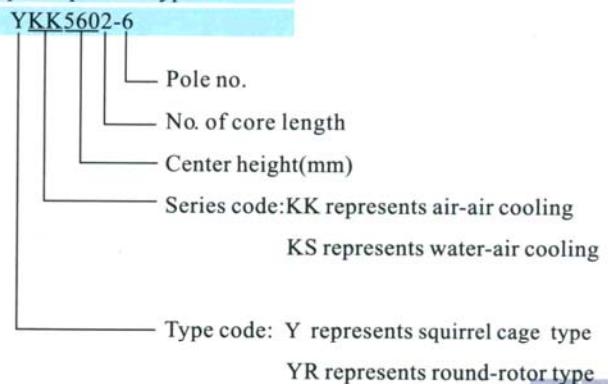
The features of these companion motors are fit for the relevant standards of IEC by International Electrotechnical Committee and the stipulations of GB755 "Quota and Performance of Rotating Motor".

### 电动机型号说明 (Type of electric motor to the structure)

产品型号示例：YKK5602-6



Example of product type



# Y, YKS, YKK系列中型高压(6kV, 10kV)三相异步电动机 (H355-630)

## 技术数据 (Technical Data)

### 1. Y、YKS系列高压三相异步电动机(6kV)

Y, YKS Companion High-voltoge3-phase Asynchronous Motor(6kV)

表1 Y系列、YKS系列电动机技术数据(6kV)  
List 1: The Technical Data of Y, YKS Companion Motors(6kV)

型号 Type	额定功率 Rated Power (kW)	定子电流 Stator Current (A)	额定转速 Rated Speed (r/min)	效率 Efficiency (%)	功率因数 Power Factor $\cos \phi$	最大转矩 Max Torque	堵转转矩 Locked Torque	堵转电流 Locked Current	转动惯量 Rotational Inertia		重量 Weight (kg)	
									额定转矩 Rated Torque	额定转速 Rated Torque	额定电流 Rated Current	电机J/M Motor (kg.m <sup>2</sup> )
Y355-2	220	26.5	2967	92.8	0.86	1.8	0.6	7.0	2.2	22.0	2010	2250
	250	30.1	2968	92.9	0.86	1.8	0.6	7.0	2.51	24.0	2050	2290
	280	33.7	2970	93.1	0.86	1.8	0.6	7.0	2.7	26.0	2120	2360
	315	37.7	2970	93.4	0.86	1.8	0.6	7.0	3.0	24.0	2160	2400
	355	42.4	2973	93.7	0.86	1.8	0.6	7.0	3.4	27.5	2250	2490
Y400-2	400	47.6	2973	94.1	0.86	1.8	0.6	7.0	3.7	28.0	2260	2500
	450	53.3	2975	94.4	0.86	1.8	0.6	7.0	4.8	32.0	2800	3080
	500	58.5	2976	94.6	0.87	1.8	0.6	7.0	5.2	33.0	2880	3160
	560	65.4	2977	94.7	0.87	1.8	0.6	7.0	6.0	34.0	2990	3270
Y450-2	630	73.4	2978	94.9	0.87	1.8	0.6	7.0	6.4	35.0	3090	3370
	710	82.7	2977	95.0	0.87	1.8	0.6	7.0	8.4	42.0	3580	7230
	800	92.9	2976	95.2	0.87	1.8	0.6	7.0	9.5	44.0	3740	4390
	900	104.5	2974	95.3	0.87	1.8	0.6	7.0	10.5	46.0	3900	4550
Y500-2	1000	114.6	2977	95.4	0.88	1.8	0.6	7.0	11.6	48.0	4060	4710
	1120	128.2	2978	95.4	0.88	1.8	0.6	7.0	15.9	90.9	4000	4700
	1250	143.0	2979	95.6	0.88	1.8	0.6	7.0	17.7	100.0	4300	5000
	1400	160.0	2979	95.7	0.88	1.8	0.6	7.0	19.9	101.0	4600	5300
Y560-2	1600	182.6	2978	95.8	0.88	1.8	0.6	7.0	22.0	102.0	4900	5600
	1800	205.2	2981	95.9	0.88	1.8	0.6	7.0	30.1	106.0	8000	8750
	2000	227.8	2981	96.0	0.88	1.8	0.6	7.0	33.7	107.0	8250	9000
Y630-2	2240	254.9	2982	96.1	0.88	1.8	0.6	7.0	37.8	108.0	8500	9250
	2500	281.0	2982	96.2	0.89	1.8	0.6	7.0	46.4	118.0	9250	10050
	2800	314.4	2982	96.3	0.89	1.8	0.6	7.0	50.7	123.0	9650	10450
Y355-4	3150	353.7	2983	96.3	0.89	1.8	0.6	7.0	56.1	130.0	10050	10850
	185	22.8	1477	93.1	0.84	1.8	0.8	6.5	2.5	56.0	1950	2350
	200	24.6	1477	93.2	0.84	1.8	0.8	6.5	2.7	68.0	1980	2380
	220	26.7	1477	93.3	0.85	1.8	0.8	6.5	3.0	78.0	2010	2410
	250	30.3	1478	93.4	0.85	1.8	0.8	6.5	3.5	88.0	2040	2440
Y400-4	280	33.5	1478	93.5	0.86	1.8	0.8	6.5	3.8	97.0	2090	2490
	315	37.7	1478	93.6	0.86	1.8	0.8	6.5	4.0	108.0	2130	2530
	355	42.3	1485	93.8	0.86	1.8	0.8	6.5	5.8	120.0	2620	3070
	400	47.6	1486	94.0	0.86	1.8	0.8	6.5	6.0	133.0	2700	3150
	450	53.5	1485	94.2	0.86	1.8	0.8	6.5	6.5	147.0	2800	3250
Y450-4	500	58.6	1485	94.3	0.87	1.8	0.8	6.5	7.0	161.0	2890	3340
	560	65.5	1485	94.5	0.87	1.8	0.8	6.5	8.0	178.0	3010	3460
	630	73.5	1485	94.8	0.87	1.8	0.8	6.5	11.0	197.0	3160	3960
	710	82.7	1485	95.0	0.87	1.8	0.8	6.5	12.0	218.0	3300	4100
Y500-4	800	93.0	1486	95.1	0.87	1.8	0.8	6.5	13.0	241.0	3440	4240
	900	104.6	1487	95.2	0.87	1.8	0.8	6.5	14.0	266.0	3580	4380
	1000	116.1	1485	95.3	0.87	1.8	0.7	6.5	24.0	290	4400	5310
	1120	128.4	1485	95.4	0.88	1.8	0.7	6.5	26.0	318	4500	5410
Y560-4	1250	143.1	1485	95.5	0.88	1.8	0.7	6.5	30.0	347	4600	5510
	1400	160.1	1484	95.6	0.88	1.8	0.7	6.5	32.0	380	4800	5710
	1600	180.8	1488	95.7	0.89	1.8	0.6	6.5	57.0	420	6225	7150
Y630-4	1800	203.1	1488	95.8	0.89	1.8	0.6	6.5	60.0	460	6720	7640
	2000	225.5	1488	95.9	0.89	1.8	0.6	6.5	66.0	498	7150	8100
	2240	252.3	1488	96.0	0.89	1.8	0.6	6.5	102.0	540	9250	10050
Y355-6	2500	281.3	1488	96.1	0.89	1.8	0.6	6.5	112.0	584	9650	10650
	2800	314.7	1488	96.2	0.89	1.8	0.6	6.5	116.0	630	10450	11400
	185	23.7	987	92.6	0.81	1.8	0.8	6.0	5.2	160	2060	2460
Y400-6	200	25.6	987	92.8	0.81	1.8	0.8	6.0	5.6	190	2100	2500
	220	27.8	987	93.0	0.82	1.8	0.8	6.0	6.0	210	2140	2540
	250	31.4	987	93.3	0.82	1.8	0.8	6.0	7.0	236	2170	2570
	280	34.7	988	93.5	0.83	1.8	0.8	6.0	10.0	262	2590	3040
	315	39.0	988	93.7	0.83	1.8	0.8	6.0	11.0	291	2690	3140
Y450-6	355	43.8	988	93.9	0.83	1.8	0.8	6.0	11.5	324	2770	3220
	400	49.3	988	94.0	0.83	1.8	0.8	6.0	12.0	361	2980	3430
	450	54.7	988	94.3	0.84	1.8	0.8	6.0	15.0	401	3110	3910
	500	59.9	988	94.5	0.85	1.8	0.8	6.0	16.0	440	3240	4040
	560	66.9	988	94.7	0.85	1.8	0.8	6.0	17.0	487	3370	4170
Y500-6	630	75.2	989	94.8	0.85	1.8	0.8	6.0	20.0	540	3490	4290
	710	84.6	990	95.0	0.85	1.8	0.7	6.0	32.0	599	4100	5010
	800	95.3	989	95.1	0.85	1.8	0.7	6.0	34.0	665	4200	5110



# Y, YKS, YKK系列中型高压(6kV, 10kV)三相异步电动机 (H355-630)

续表1 Y系列、YKS系列电动机技术数据(6kV)  
Continuous List 1: The Technical Data of Y, YKS Companion Motors(6kV)

型号 Type	额定功率 Rated Power (kW)	定子电流 Stator Current (A)	额定转速 Rated Speed (r/min)	效率 Efficiency (%)	功率因数 Power Factor $\cos \varnothing$	最大转矩 Max Torque	堵转转矩 Locked Torque	堵转电流 Locked Current	转动惯量 Rotational Inertia		重量 Weight (kg)	
									额定转矩 Rated Torque	额定电流 Rated Current	电机J/M Motor (kg·m <sup>2</sup> )	允许负载J Promise (kg·m <sup>2</sup> )
Y500-6	900	107.0	989	95.2	0.85	1.8	0.7	6.0	40.0	736	4500	5410
	1000	118.8	989	95.3	0.85	1.8	0.7	6.0	47.0	805	4700	5610
Y560-6	1120	131.4	990	95.4	0.86	1.8	0.7	6.5	70.0	885	6185	7000
	1250	146.5	990	95.5	0.86	1.8	0.7	6.5	75.0	972	6415	7300
Y630-6	1400	163.9	990	95.6	0.86	1.8	0.7	6.5	82.0	1068	6670	7500
	1600	187.1	991	95.7	0.86	1.8	0.7	6.5	117.0	1192	9300	10300
Y400-8	1800	210.2	991	95.8	0.86	1.8	0.7	6.5	132.0	1312	9720	10720
	2000	233.3	991	95.9	0.86	1.8	0.7	6.5	143.0	1428	10550	11550
Y450-8	185	25.0	741	92.6	0.77	1.8	0.8	5.5	9.0	383	2480	2930
	200	26.6	741	92.8	0.78	1.8	0.8	5.5	10.0	401	2570	3020
Y500-8	220	29.2	741	92.9	0.78	1.8	0.8	5.5	11.0	424	2650	3100
	250	32.7	741	93.0	0.79	1.8	0.8	5.5	12.0	477	2760	3210
Y560-8	280	36.6	741	93.2	0.79	1.8	0.8	5.5	13.0	529	2890	3340
	315	40.6	742	93.4	0.80	1.8	0.8	5.5	16.0	588	3140	3940
Y630-8	355	45.7	742	93.5	0.80	1.8	0.8	5.5	17.0	565	3290	4090
	400	51.3	742	93.7	0.80	1.8	0.8	5.5	18.0	731	3340	4140
Y400-10	450	57.0	742	93.8	0.81	1.8	0.8	5.5	19.0	813	3470	4270
	500	63.0	742	94.3	0.81	1.8	0.8	5.5	30.0	894	4000	4910
Y500-8	560	69.6	742	94.4	0.82	1.8	0.8	5.5	34.0	988	4150	5060
	630	78.2	743	94.5	0.82	1.8	0.8	5.5	38.0	1098	4350	5260
Y560-8	710	88.1	744	94.6	0.82	1.8	0.8	5.5	42.0	1222	4500	5410
	800	96.8	743	94.7	0.84	1.8	0.7	6.0	87.0	1357	6130	7100
Y630-8	900	108.8	743	94.8	0.84	1.8	0.7	6.0	92.0	1505	6325	7250
	1000	120.7	743	94.9	0.84	1.8	0.7	6.0	102	1650	5473	7330
Y450-10	1120	135.1	744	95.0	0.84	1.8	0.7	6.0	137	1820	9620	10620
	1250	150.6	744	95.1	0.84	1.8	0.7	6.0	151	2001	10200	11200
Y630-8	1400	168.5	744	95.2	0.84	1.8	0.7	6.0	160	2204	10570	11570
	1600	192.3	744	95.3	0.84	1.8	0.7	6.0	168	2468	10920	11920
Y400-10	185	25.9	593	91.7	0.75	1.8	0.8	5.5	11.0	529	2760	3210
	200	27.9	593	91.9	0.75	1.8	0.8	5.5	12.0	551	2890	3340
Y450-10	220	29.9	592	92.1	0.77	1.8	0.8	5.5	19.0	729	3060	3860
	250	33.4	592	92.3	0.78	1.8	0.8	5.5	20.0	820	3140	3940
Y500-10	280	37.3	592	92.5	0.78	1.8	0.8	5.5	22.0	910	3270	4070
	315	41.4	592	92.6	0.79	1.8	0.8	5.5	24.0	1014	3330	4130
Y560-10	355	46.6	592	92.8	0.79	1.8	0.8	5.5	25.0	1131	3450	4250
	400	51.6	592	93.3	0.80	1.8	0.8	5.5	36.0	1261	4000	4910
Y630-10	450	58.0	593	93.4	0.80	1.8	0.8	5.5	38.0	1404	4150	5060
	500	64.3	594	93.6	0.80	1.8	0.8	5.5	42.0	1544	4300	5210
Y560-10	560	71.9	594	93.7	0.80	1.8	0.8	5.5	45.0	1711	4450	5315
	630	80.8	595	93.8	0.80	1.8	0.8	5.5	52.0	1902	4650	5500
Y560-10	710	88.6	593	94.0	0.82	1.8	0.7	6.0	47.0	2116	6160	7100
	800	99.7	593	94.2	0.82	1.8	0.7	6.0	88.0	2355	6360	7220
Y630-10	900	112.0	593	94.3	0.82	1.8	0.7	6.0	92.0	2615	6570	7510
	1000	124.3	594	94.4	0.82	1.8	0.7	6.0	140	2870	9620	10620
Y630-10	1120	138.9	594	94.6	0.82	1.8	0.7	6.0	152	3170	10200	11200
	1250	154.7	594	94.8	0.82	1.8	0.7	6.0	167	3489	10570	11570
Y450-12	1400	173.1	594	94.9	0.82	1.8	0.7	6.0	175.0	3850	10930	11930
	185	27.2	494	90.9	0.72	1.8	0.8	5.5	19.0	997	3170	3970
Y450-12	200	29.3	494	91.1	0.72	1.8	0.8	5.5	21.0	1078	3260	4060
	220	31.7	494	91.4	0.73	1.8	0.8	5.5	24.0	1135	3340	4140
Y500-12	250	35.9	494	91.7	0.73	1.8	0.8	5.5	26.0	1277	3410	4210
	280	39.3	493	92.7	0.74	1.8	0.8	5.5	40.0	1418	4000	4900
Y500-12	315	43.6	493	92.8	0.75	1.8	0.8	5.5	42.0	1580	4100	7000
	355	49.0	494	93.0	0.75	1.8	0.8	5.5	43.0	1764	4250	5150
Y560-12	400	55.0	494	93.3	0.75	1.8	0.8	5.5	47.0	1967	4400	5300
	450	61.8	495	93.4	0.75	1.8	0.8	5.5	50.0	2191	4550	5450
Y560-12	500	65.0	495	93.7	0.79	1.8	0.7	6.0	103.0	2411	6160	7060
	560	72.7	495	93.8	0.79	1.8	0.7	6.0	114.0	2673	6360	7310
Y630-12	630	81.7	495	93.9	0.79	1.8	0.7	6.0	127.0	2974	6570	7430
	710	92.0	495	94.0	0.79	1.8	0.7	6.0	191.0	3312	9600	11600
Y630-12	800	103.4	495	94.2	0.79	1.8	0.7	6.0	208.0	3688	10050	11050
	900	116.2	495	94.3	0.79	1.8	0.7	6.0	227.0	4098	10450	11450
Y630-12	1000	129.0	495	94.4	0.79	1.8	0.7	6.0	239.0	4502	10820	11820



# Y, YKS, YKK系列中型高压(6kV, 10kV)三相异步电动机 (H355-630)

## 2. YKK系列高压三相异步电动机(6kV)

YKK Companion High-voltoge3-phase Asynchronous Motor(6kV)

表2 YKK系列电动机技术数据(6kV)

List 2: The Technical Data of YKK Companion Motors(6kV)

型号 Type	额定功率 Rated Power (kW)	定子电流 Stator Current (A)	额定转速 Rated Speed (r/min)	效率 Efficiency (%)	功率因数 Power Factor $\cos \phi$	最大转矩 Max Torque	堵转转矩 Locked Torque	堵转电流 Locked Current	转动惯量 Rotational Inertia		重量 Weight (kg) YKK
									额定转矩 Rated Torque	额定电流 Rated Current	
YKK355-2	220	26.9	2973	92.5	0.85	1.8	0.6	7.0	2.7	22.0	2250
	250	30.6	2972	92.6	0.85	1.8	0.6	7.0	3.0	24.0	2300
	280	34.2	2973	92.8	0.85	1.8	0.6	7.0	3.4	26.0	2350
	315	38.3	2975	93.1	0.85	1.8	0.6	7.0	3.6	27.0	2400
YKK400-2	355	42.5	2977	93.4	0.86	1.8	0.6	7.0	5.3	30.0	2700
	400	47.8	2976	93.7	0.86	1.8	0.6	7.0	5.7	32.0	2780
	450	53.6	2975	94.0	0.86	1.8	0.6	7.0	6.5	34.0	2900
	500	59.4	2976	94.2	0.86	1.8	0.6	7.0	6.8	35.0	2950
YKK450-2	560	66.4	2980	94.4	0.86	1.8	0.6	7.0	9.4	40.0	4000
	630	73.7	2980	94.6	0.87	1.8	0.6	7.0	10.8	44.0	4300
	710	82.9	2981	94.7	0.87	1.8	0.6	7.0	11.8	46.0	4600
	800	93.3	2983	94.8	0.87	1.8	0.6	7.0	12.4	48.0	4900
YKK500-2	900	104.8	2981	95.0	0.87	1.8	0.6	7.0	17.2	73.4	5200
	1000	116.3	2983	95.1	0.87	1.8	0.6	7.0	19.1	85.0	5440
	1120	130.1	2982	95.2	0.87	1.8	0.6	7.0	21.1	92.0	5650
	1250	145.1	2980	95.3	0.87	1.8	0.6	7.0	23.0	101.0	5880
YKK560-2	1400	160.5	2980	95.4	0.88	1.8	0.6	7.0	39.8	106.0	6800
	1600	183.1	2979	95.5	0.88	1.8	0.6	7.0	42.4	107.0	6900
	1800	205.9	2982	95.6	0.88	1.8	0.6	7.0	46.4	108.0	7160
	2000	228.5	2982	95.7	0.88	1.8	0.6	7.0	47.4	110.0	9450
YKK630-2	2240	255.7	2982	95.8	0.88	1.8	0.6	7.0	51.7	114.0	9850
	2500	285.1	2982	95.9	0.88	1.8	0.6	7.0	57.1	120.0	10250
	185	22.6	1483	92.8	0.85	1.8	0.8	6.5	3.0	68.0	250
	200	24.4	1483	92.9	0.85	1.8	0.8	6.5	3.4	78.0	2550
YKK355-4	220	26.8	1483	93.0	0.85	1.8	0.8	6.5	3.8	88.0	2600
	250	30.4	1482	93.1	0.85	1.8	0.8	6.5	4.2	97.0	2650
	280	33.6	1482	93.2	0.86	1.8	0.8	6.5	5.8	108	2640
	315	37.8	1483	93.3	0.86	1.8	0.8	6.5	6.0	120	2800
YKK400-4	355	42.5	1483	93.5	0.86	1.8	0.8	6.5	6.2	133	2870
	400	47.8	1482	93.7	0.86	1.8	0.8	6.5	6.5	147	2990
	450	53.6	1483	93.9	0.86	1.8	0.8	6.5	7.0	161	3060
	500	59.5	1485	94.0	0.86	1.8	0.8	6.5	10.0	178	4400
YKK450-4	560	66.5	1485	94.2	0.86	1.8	0.8	6.5	11.0	197	4560
	630	74.7	1484	94.4	0.86	1.8	0.8	6.5	12.0	218	4720
	710	84.0	1484	94.6	0.86	1.8	0.8	6.5	13.0	241	4890
	800	93.3	1486	94.8	0.87	1.8	0.8	6.5	22.0	266	5640
YKK500-4	900	104.9	1486	94.9	0.87	1.8	0.8	6.5	24.0	290	5660
	1000	116.4	1486	95.0	0.87	1.8	0.7	6.5	26.0	318	5850
	1120	130.3	1486	95.1	0.87	1.8	0.7	6.5	30.0	347	6030
	1250	143.6	1488	95.2	0.88	1.8	0.6	6.5	51.0	379	7800
YKK630-4	1400	160.6	1487	95.3	0.88	1.8	0.6	6.5	57.0	470	8050
	1600	183.4	1488	95.4	0.88	1.8	0.6	6.5	60.0	460	8300
	1800	206.1	1489	95.5	0.88	1.8	0.6	6.5	96.0	498	10400
	2000	228.8	1488	95.6	0.88	1.8	0.6	6.5	102.0	540	10800
YKK400-6	2240	255.9	1488	95.7	0.88	1.8	0.6	6.5	112.0	584	11200
	185	23.5	988	92.4	0.82	1.8	0.7	6.0	8.0	193	2610
	200	25.3	988	92.6	0.82	1.8	0.7	6.0	8.7	210	2665
	220	27.8	988	92.8	0.82	1.8	0.7	6.0	9.0	236	2700
YKK450-6	250	31.5	988	93.0	0.82	1.8	0.7	6.0	10.0	262	2750
	280	35.2	988	93.3	0.82	1.8	0.7	6.0	10.8	291	2895
	315	39.5	988	93.5	0.82	1.8	0.7	6.0	11.0	324	3020
	355	43.9	988	93.7	0.83	1.8	0.7	6.0	14.0	361	4380
YKK500-6	400	49.4	987	93.8	0.83	1.8	0.7	6.0	15.0	401	4540
	450	55.4	988	94.1	0.83	1.8	0.7	6.0	16.0	440	4690
	500	61.5	989	94.3	0.83	1.8	0.7	6.0	17.0	687	4810
	560	68.0	990	94.4	0.84	1.8	0.7	6.0	27.0	540	5355
YKK500-6	630	76.4	990	94.5	0.84	1.8	0.7	6.0	32.5	599	5440
	710	85.8	990	94.8	0.84	1.8	0.7	6.0	34.0	665	5700
	800	96.6	990	94.9	0.84	1.8	0.7	6.0	40.0	736	5880



# Y, YKS, YKK系列中型高压(6kV, 10kV)三相异步电动机(H355-630)

续表2 YKK系列电动机技术数据(6kV)  
Continuous List 2: The Technical Data of YKK Companion Motors(6kV)

型号 Type	额定功率 Rated Power (kW)	定子电流 Stator Current (A)	额定转速 Rated Speed (r/min)	效率 Efficiency (%)	功率因数 Power Factor $\cos \phi$	最大转矩 Max Torque	堵转转矩 Locked Torque	堵转电流 Locked Current	转动惯量 Rotational Inertia		重量 Weight (kg)
									额定转矩 Rated Torque	额定转矩 Rated Torque	
YKK560-6	900	107.2	991	95.0	0.85	1.8	0.7	6.5	64.0	805	7500
	1000	119.0	991	95.1	0.85	1.8	0.7	6.5	70.0	885	7850
	1120	133.2	990	95.2	0.85	1.8	0.7	6.5	75.0	927	8100
YKK630-6	1250	146.8	991	95.3	0.86	1.8	0.7	6.5	139	1068	10750
	1400	164.2	991	95.4	0.86	1.8	0.7	6.5	147	1192	11150
	1600	187.5	991	95.5	0.86	1.8	0.7	6.5	162	1312	11500
YKK400-8	185	24.7	740	92.5	0.78	1.8	0.8	5.5	11.0	406	2785
	200	26.6	740	92.7	0.78	1.8	0.8	5.5	12.0	450	2840
	220	29.2	740	92.9	0.78	1.8	0.8	5.5	13.0	502	2910
YKK450-8	250	32.7	741	93.0	0.79	1.8	0.8	5.5	16.0	558	4560
	280	36.6	741	93.2	0.79	1.8	0.8	5.5	17.0	622	4650
	315	41.1	742	93.4	0.79	1.8	0.8	5.5	18.0	693	4740
	355	46.2	743	93.5	0.79	1.8	0.8	5.5	19.0	772	4840
YKK500-8	400	51.3	743	93.7	0.80	1.8	0.8	5.5	30.0	853	5110
	450	57.7	743	93.8	0.80	1.8	0.8	5.5	34.0	941	5280
	500	63.8	743	94.2	0.80	1.8	0.8	5.5	38.0	1044	5430
	560	71.4	743	94.4	0.80	1.8	0.8	5.5	42.0	1160	5660
YKK560-8	630	78.2	743	94.5	0.82	1.8	0.7	6.0	79.0	1221	7500
	710	88.1	743	94.6	0.82	1.8	0.7	6.0	87.0	1357	7750
	800	99.1	743	94.7	0.82	1.8	0.7	6.0	90.0	1505	8000
YKK630-8	900	108.8	744	94.8	0.84	1.8	0.7	6.0	129	1650	10400
	1000	120.7	744	94.9	0.84	1.8	0.7	6.0	137	1820	10800
	1120	135.1	744	95.0	0.84	1.8	0.7	6.0	151	2001	11200
	1250	150.6	744	95.1	0.84	1.8	0.7	6.0	160	2204	11600
YKK450-10	185	25.9	594	91.7	0.75	1.8	0.8	5.5	19.0	698	4580
	200	27.9	594	91.9	0.75	1.8	0.8	5.5	20.0	775	4670
	220	30.6	594	92.1	0.75	1.8	0.8	5.5	22.0	865	4760
	250	34.8	593	92.3	0.75	1.8	0.8	5.5	24.0	902	4860
	280	38.8	594	92.5	0.75	1.8	0.8	5.5	26.0	1072	4960
YKK500-10	315	43.0	593	92.8	0.76	1.8	0.8	5.5	36.0	1196	5220
	355	48.3	593	93.0	0.76	1.8	0.8	5.5	38.0	1332	5375
	400	54.3	593	93.3	0.76	1.8	0.8	5.5	42.0	1471	5535
	450	51.0	593	93.4	0.76	1.8	0.8	5.5	45.0	1627	5760
YKK560-10	500	65.9	593	93.6	0.78	1.8	0.7	6.0	67.0	1710	7470
	560	73.7	594	93.7	0.78	1.8	0.7	6.0	74.0	1902	7690
	630	82.9	593	93.8	0.78	1.8	0.7	6.0	79.0	2116	7920
	710	93.2	594	94.0	0.78	1.8	0.7	6.0	88.0	2355	8140
YKK630-10	800	102.1	594	94.2	0.80	1.8	0.7	6.0	132	2615	10600
	900	114.8	594	94.3	0.80	1.8	0.7	6.0	140	2800	11000
	1000	127.4	594	94.4	0.80	1.8	0.7	6.0	152	3175	11400
	1120	142.4	594	94.6	0.80	1.8	0.7	6.0	167	3489	11800
YKK450-12	185	27.7	494	91.8	0.70	1.8	0.8	5.5	24.0	1487	4770
	200	29.9	494	92.0	0.70	1.8	0.8	5.5	26.0	1206	4950
YKK500-12	220	31.9	494	92.2	0.72	1.8	0.8	5.5	40.0	1347	5090
	250	36.1	494	92.5	0.72	1.8	0.8	5.5	42.0	1499	5340
	280	40.4	494	92.7	0.72	1.8	0.8	5.5	43.0	1672	5410
	315	45.4	494	92.8	0.72	1.8	0.8	5.5	47.0	1865	5660
YKK560-12	355	49.6	495	93.0	0.74	1.8	0.7	6.0	87.0	1967	7440
	400	55.7	495	93.0	0.74	1.8	0.7	6.0	96.0	2190	7650
	450	62.7	495	93.4	0.74	1.8	0.7	6.0	103	2411	7860
	500	69.4	495	93.7	0.74	1.8	0.7	6.0	114	2673	8070
YKK630-12	560	75.6	495	93.8	0.76	1.8	0.7	6.0	179	2974	10600
	630	84.9	495	93.9	0.76	1.8	0.7	6.0	191	3312	11000
	710	95.6	495	94.0	0.76	1.8	0.7	6.0	208	3688	11400
	800	107.5	495	94.2	0.76	1.8	0.7	6.0	272	4098	11800



# Y, YKS, YKK系列中型高压(6kV, 10kV)三相异步电动机 (H355-630)

## 3. Y、YKS系列高压三相异步电动机(10kV)

Y, YKS Companion High-voltage 3-phase Asynchronous Motor(10kV)

表3 Y、YKS系列电动机技术数据(10kV)

List 3: The Technical Data of Y, YKS Companion Motors(10kV)

型号 Type	额定功率 Rated Power (kW)	定子电流 Stator Current (A)	额定转速 Rated Speed (r/min)	效率 Efficiency (%)	功率因数 Power Factor $\cos \phi$	最大转矩 Max Torque	堵转转矩 Locked Torque	堵转电流 Locked Current	转动惯量 Rotational Inertia		重量 Weight (kg)	
						额定转矩 Rated Torque	额定转矩 Rated Torque	额定电流 Rated Current	电机J/M Motor (kg.m <sup>2</sup> )	允许负载J Permissible (kg.m <sup>2</sup> )	Y	YKS
Y450-2	220	15.9	2973	92.7	0.86	1.8	0.6	7.0	4.0	30.0	2935	3535
	250	18.0	2974	93.0	0.86	1.8	0.6	7.0	4.5	31.1	2950	3550
	280	20.1	2975	93.4	0.86	1.8	0.6	7.0	5.3	31.8	3000	3600
	315	22.4	2976	93.6	0.87	1.8	0.6	7.0	6.0	32.5	3098	3690
	355	25.2	2977	93.8	0.87	1.8	0.6	7.0	6.4	34.3	3160	3760
	400	28.3	2977	94.1	0.87	1.8	0.6	7.0	7.5	35.1	3250	3850
	450	31.7	2979	94.3	0.87	1.8	0.6	7.0	8.4	37.2	3290	3890
	500	35.2	2979	94.4	0.87	1.8	0.6	7.0	9.0	41.2	3370	3970
	560	39.4	2980	94.5	0.87	1.8	0.6	7.0	9.7	45.2	3600	4200
	630	44.2	2980	94.6	0.87	1.8	0.6	7.0	10.3	50.1	3760	4360
Y500-2	710	49.2	2981	94.7	0.88	1.8	0.6	7.0	13.7	68.8	4150	4810
	800	55.4	2981	94.8	0.88	1.8	0.6	7.0	14.7	75.5	4250	4910
	900	62.2	2981	94.9	0.88	1.8	0.6	7.0	16.7	78.4	4500	5160
	1000	69.1	2982	95.0	0.88	1.8	0.7	7.0	17.7	90.0	4600	5260
	1120	77.2	2982	95.2	0.88	1.8	0.7	7.0	18.7	97.0	4700	6350
Y560-2	1250	85	2983	95.4	0.89	1.8	0.7	7.0	30.8	98.0	7750	8450
	1400	95.1	2983	95.5	0.89	1.8	0.7	7.0	34.7	99.0	8000	8700
	1600	108.6	2983	95.6	0.89	1.8	0.7	7.0	38.8	100.0	8250	8950
Y630-2	1800	120.7	2983	95.7	0.90	1.8	0.7	7.0	39.0	108.0	9250	10010
	2000	134.0	2983	95.8	0.90	1.8	0.7	7.0	44.0	110.0	9650	10410
	2240	149.7	2984	96.0	0.90	1.8	0.7	7.0	51.0	114.0	10500	11260
Y450-4	220	16.3	1477	92.5	0.84	1.8	0.7	7.0	9.0	78.0	2550	3365
	250	18.5	1477	92.7	0.84	1.8	0.7	7.0	9.5	87.0	2645	3460
	280	20.5	1478	92.9	0.85	1.8	0.7	7.0	10.2	97.0	2710	3525
	315	23.0	1478	93.1	0.85	1.8	0.7	7.0	10.8	107.0	2790	3605
	355	25.5	1478	93.3	0.86	1.8	0.7	7.0	12.0	119.0	2850	3665
	400	28.7	1480	93.5	0.86	1.8	0.7	7.0	12.5	132.0	2915	3730
	450	32.2	1482	93.9	0.86	1.8	0.7	7.0	12.9	147.0	3180	3995
	500	35.7	1485	94.0	0.86	1.8	0.7	7.0	13.4	161.0	3315	4130
	560	39.9	1485	94.2	0.86	1.8	0.7	7.0	13.8	178.0	3380	4195
	630	44.8	1485	94.4	0.86	1.8	0.7	7.0	14.7	196.0	3461	4275
Y500-4	710	49.6	1485	95.0	0.87	1.8	0.7	7.0	22.0	217.0	4550	5510
	800	55.8	1486	95.1	0.87	1.8	0.7	7.0	23.0	240.0	4600	5560
	900	62.0	1487	95.2	0.88	1.8	0.7	7.0	25.0	265.0	4750	5710
	1000	68.8	1487	95.3	0.88	1.8	0.7	7.0	27.0	289.0	4850	5810
	1120	77.0	1487	95.4	0.88	1.8	0.7	7.0	31.0	5150	6110	
Y560-4	1250	84.9	1485	95.5	0.89	1.8	0.7	7.0	40.0	347.0	6225	7245
	1400	94.9	1485	95.7	0.89	1.8	0.7	7.0	43.0	379.0	6720	7740
	1600	108.3	1487	95.8	0.89	1.8	0.7	7.0	46.0	421.0	7150	8170
Y630-4	1800	121.8	1488	95.9	0.89	1.8	0.6	7.0	86.0	460	9250	10360
	2000	135.1	1488	96.0	0.89	1.8	0.6	7.0	91.0	498	9700	10810
	2240	151.2	1488	96.1	0.89	1.8	0.6	7.0	96.0	540	10600	11710
Y450-6	220	17.0	987	92.2	0.81	1.8	0.7	6.0	13.2	210	2800	3615
	250	19.3	987	92.4	0.81	1.8	0.7	6.0	13.4	236	2850	3665
	280	21.3	987	92.6	0.82	1.8	0.7	6.0	13.6	261	2950	3765
	315	23.9	988	92.8	0.82	1.8	0.7	6.0	14.7	291	3070	3885
	355	26.5	988	93.1	0.83	1.8	0.7	6.0	15.7	324	3175	3990
	400	30	988	93.3	0.83	1.8	0.7	6.0	17.7	361	3295	4110
	450	33.5	988	93.5	0.83	1.8	0.7	6.0	18.2	400	3377	4190
Y500-6	500	37.0	988	93.9	0.83	1.8	0.7	6.0	23.0	440	4550	5510
	560	40.9	988	94.1	0.84	1.8	0.7	6.0	25.0	486	4600	5560
	630	45.9	989	94.4	0.84	1.8	0.7	6.0	27.0	539	4790	5750



# Y, YKS, YKK系列中型高压(6kV, 10kV)三相异步电动机 (H355-630)

续表3 Y、YKS系列电动机技术数据(10kV)  
Continuous List 3: The Technical Data of Y, YKS Companion Motors(10kV)

型号 Type	额定功率 Rated Power (kW)	定子电流 Stator Current (A)	额定转速 Rated Speed (r/min)	效率 Efficiency (%)	功率因数 Power Factor $\cos \phi$	最大转矩 Max Torque	堵转转矩 Locked Torque	堵转电流 Locked Current	转动惯量 Rotational Inertia		重量 Weight (kg)	
									额定转矩 Rated Torque	额定电流 Rated Current	电机J/Motor (kg·m <sup>2</sup> )	允许负载J Promissory (kg·m <sup>2</sup> )
Y500-6	710	51.6	990	94.6	0.84	1.8	0.7	6.0	29.0	599	4930	5890
	800	58.1	990	94.7	0.84	1.8	0.7	6.0	31.0	664	5050	6010
Y560-6	900	64.4	988	94.9	0.85	1.8	0.7	6.0	49.0	735	6085	7195
	1000	71.4	988	95.1	0.85	1.8	0.7	6.0	53.0	805	6415	7525
	1120	79.8	989	95.3	0.85	1.8	0.7	6.0	56.0	886	6670	7780
	1250	88.0	989	95.4	0.86	1.8	0.7	6.0	60.0	972	6920	8030
Y630-6	1400	98.2	989	95.7	0.86	1.8	0.6	6.0	114.0	1068	9300	10410
	1600	112.1	990	95.8	0.86	1.8	0.6	6.0	121.0	1192	9700	10810
	1800	126.0	991	95.9	0.86	1.8	0.6	6.0	128.0	1312	10500	11610
Y450-8	220	17.9	741	92.2	0.77	1.8	0.7	6.0	16.0	423	2927	3740
	250	20.3	741	92.4	0.77	1.8	0.7	6.0	17.0	476	3241	4056
	280	22.7	741	92.6	0.77	1.8	0.7	6.0	18.0	528	3383	4198
Y500-8	315	25.5	741	92.8	0.77	1.8	0.7	6.0	22.0	588	4450	5410
	355	28.6	742	93.1	0.77	1.8	0.7	6.0	24.0	656	4580	5540
	400	31.7	742	93.2	0.78	1.8	0.7	6.0	26.0	730	4700	5660
	450	35.7	742	93.4	0.78	1.8	0.7	6.0	28.0	812	4850	5810
	500	39.0	742	93.8	0.79	1.8	0.7	6.0	30.0	893	5960	6920
	560	43.6	742	93.9	0.79	1.8	0.7	6.0	32.0	989	6100	7160
Y560-8	630	47.0	743	94.4	0.82	1.8	0.7	6.0	56.0	1098	6325	7345
	710	52.8	743	94.6	0.82	1.8	0.7	6.0	60.0	1221	6470	7490
	800	59.5	744	94.7	0.82	1.8	0.7	6.0	63.0	1357	6620	7640
	900	66.8	744	94.8	0.82	1.8	0.7	6.0	67.0	1505	6760	7780
Y630-8	1000	73.2	744	95.0	0.83	1.8	0.7	6.0	141.0	1650	9620	10760
	1120	81.8	744	95.2	0.83	1.8	0.7	6.0	149.0	1820	10200	11310
	1250	91.2	744	95.3	0.83	1.8	0.7	6.0	157.0	2001	10570	11680
Y500-10	220	18.7	592	91.9	0.74	1.8	0.7	5.5	27.0	740	4500	5460
	250	21.2	592	92.2	0.74	1.8	0.7	5.5	27.5	820	4600	5560
	280	23.7	592	92.4	0.74	1.8	0.7	5.5	28.0	910	4720	5680
	315	26.6	592	92.6	0.74	1.8	0.7	5.5	30.0	1014	4840	5800
	355	29.5	592	92.8	0.75	1.8	0.7	5.5	31.3	1131	4970	5930
	400	33.2	593	93.0	0.75	1.8	0.7	5.5	32.0	1261	5090	6050
Y560-10	450	36.2	593	93.2	0.77	1.8	0.7	6.0	75.0	1403	6160	7180
	500	40.1	594	93.4	0.77	1.8	0.7	6.0	80.0	1544	6360	7380
	560	44.3	594	93.5	0.78	1.8	0.7	6.0	84.0	1710	6570	7590
	630	49.8	595	93.7	0.78	1.8	0.7	6.0	89.0	1902	6780	7800
	710	53.7	595	93.9	0.78	1.8	0.7	6.0	94.0	2117	6990	8010
Y630-10	800	61.2	595	94.3	0.80	1.8	0.7	6.0	144.0	2355	9620	10730
	900	58.7	595	94.5	0.80	1.8	0.7	6.0	153.0	2614	10200	11310
	1000	76.3	596	94.6	0.80	1.8	0.7	6.0	161.0	2870	10570	11680
	1120	85.9	596	94.7	0.80	1.8	0.7	6.0	169.0	3170	10930	12040
Y500-12	220	19.1	493	91.2	0.73	1.8	0.7	5.5	43.0	1135	4770	5730
	250	21.6	493	91.6	0.73	1.8	0.7	5.5	47.0	1210	4880	5840
	280	24.1	494	92.0	0.73	1.8	0.7	5.5	50.0	1418	5030	5990
Y560-12	315	27.0	494	92.3	0.73	1.8	0.7	6.0	73.0	1580	6060	7080
	355	30.4	495	92.5	0.73	1.8	0.7	6.0	77.0	1763	6255	7275
	400	34.1	495	92.7	0.73	1.8	0.7	6.0	82.0	1967	6450	7470
	450	38.3	495	92.9	0.73	1.8	0.7	6.0	87.0	2190	6640	7660
	500	42.4	495	93.2	0.73	1.8	0.7	6.0	92.0	2411	6830	7850
Y630-12	560	46.7	495	93.5	0.74	1.8	0.7	6.0	119.0	2672	9600	10710
	630	52.5	495	93.7	0.74	1.8	0.7	6.0	136.0	2974	10050	11160
	710	59.0	495	93.9	0.74	1.8	0.7	6.0	152.0	3313	10450	11560
	800	66.2	495	94.3	0.74	1.8	0.7	6.0	160.0	3688	10820	11930



# Y, YKS, YKK系列中型高压(6kV, 10kV)三相异步电动机 (H355-630)

## 4. YKK系列高压三相异步电动机(10kV)

YKK Companion High-voltage 3-phase Asynchronous Motor(10kV)

表4 YKK系列电动机技术数据(10kV)

List4: The Technical Data of YKK Companion Motors(10kV)

型号 Type	额定功率 Rated Power (kW)	定子电流 Stator Current (A)	额定转速 Rated Speed (r/min)	效率 Efficiency (%)	功率因数 Power Factor $\cos \phi$	最大转矩 Max Torque	堵转转矩 Locked Torque	堵转电流 Locked Current	转动惯量 Rotational Inertia		重量 Weight (kg) YKK
									额定转矩 Rated Torque	额定电流 Rated Current	
YKK450-2	220	16.2	2972	92.4	0.85	1.8	0.6	7.0	5.1	30.0	3650
	250	18.3	2972	92.6	0.85	1.8	0.6	7.0	5.6	31.1	3740
	280	20.5	2973	92.8	0.85	1.8	0.6	7.0	6.1	31.8	3800
	315	23	2973	93.0	0.85	1.8	0.6	7.0	6.6	32.5	3880
	355	25.5	2975	93.3	0.86	1.8	0.6	7.0	7.2	34.3	3945
	400	28.7	2975	93.7	0.86	1.8	0.6	7.0	8.2	35.2	4090
	450	32.1	2976	94.0	0.86	1.8	0.6	7.0	8.7	37.2	4185
YKK500-2	500	35.6	2975	94.2	0.86	1.8	0.6	7.0	14.7	55.4	4290
	560	39.8	2975	94.4	0.86	1.8	0.6	7.0	15.7	59.1	4380
	630	44.2	2976	94.6	0.87	1.8	0.6	7.0	17.7	63.2	4575
	710	49.8	2978	94.8	0.87	1.8	0.6	7.0	18.7	68.8	4700
	800	56.0	2978	94.8	0.87	1.8	0.6	7.0	19.7	75.5	4780
YKK560-2	900	63.0	2978	94.9	0.87	1.8	0.6	7.0	31.8	78.4	7750
	1000	69.9	2979	95.0	0.87	1.8	0.6	7.0	35.7	90.0	8000
	1120	78.1	2980	95.2	0.87	1.8	0.6	7.0	39.8	97.0	8250
YKK630-2	1250	87.0	2980	95.3	0.87	1.8	0.6	7.0	42.7	98.0	9300
	1400	97.4	2980	95.4	0.88	1.8	0.6	7.0	46.0	99.0	9700
	1600	110.0	2981	95.5	0.83	1.8	0.6	7.0	53.0	100.0	10100
YKK450-4	220	16.6	1483	92.4	0.83	1.8	0.7	7.0	11.4	78.0	3700
	250	18.8	1483	92.6	0.83	1.8	0.7	7.0	12.6	87.0	3760
	280	21	1482	92.8	0.83	1.8	0.7	7.0	13.1	97.0	3860
	315	23.6	1482	93.0	0.86	1.8	0.7	7.0	13.5	107.0	3890
	355	25.5	1483	93.3	0.86	1.8	0.7	7.0	14.0	119.0	4200
	400	28.7	1483	93.5	0.86	1.8	0.7	7.0	14.4	132.0	4300
	450	32.2	1485	93.9	0.86	1.8	0.7	7.0	15.3	147.0	4490
YKK500-4	500	35.7	1484	94.0	0.86	1.8	0.7	7.0	25.0	165.0	5640
	560	40.0	1484	94.2	0.86	1.8	0.7	7.0	26.0	182.0	5660
	630	44.8	1485	94.4	0.86	1.8	0.7	7.0	28.0	201.0	5850
	710	50.4	1485	94.6	0.87	1.8	0.7	7.0	30.0	220.0	6030
	800	56.0	1485	94.8	0.87	1.8	0.7	7.0	32.0	242.0	6060
YKK560-4	900	63.0	1485	94.9	0.87	1.8	0.7	7.0	44.0	270.0	7800
	1000	70.0	1485	95.0	0.87	1.8	0.7	7.0	47.0	292.0	8050
	1120	78.2	1484	95.1	0.88	1.8	0.7	7.0	50.0	320.0	8300
YKK630-4	1250	86.1	1485	95.2	0.88	1.8	0.6	6.0	90.0	350.0	9900
	1400	96.4	1486	95.3	0.88	1.8	0.6	6.0	95.0	382.0	10300
	1600	110.0	1486	95.4	0.80	1.8	0.6	6.0	101.0	423.0	10400
YKK450-6	220	17.3	988	92.0	0.80	1.8	0.7	6.0	15.5	210.0	4090
	250	19.6	988	92.2	0.80	1.8	0.7	6.0	16.3	235.0	4210
	280	21.9	988	92.5	0.82	1.8	0.7	6.0	17.4	260.0	4420
	315	23.9	987	92.8	0.83	1.8	0.7	6.0	18.4	290	4560
YKK500-6	355	26.6	988	93.1	0.83	1.8	0.7	6.0	27.0	326	5360
	400	29.8	988	93.3	0.83	1.8	0.7	6.0	29.0	362	5440
	450	33.5	988	93.5	0.83	1.8	0.7	6.0	31.0	400	5700



# Y, YKS, YKK系列中型高压(6kV, 10kV)三相异步电动机 (II355-630)

续表4 YKK系列电动机技术数据(10kV)  
Continuous List 4: The Technical Data of YKK Companion Motors(10kV)

型号 Type	额定功率 Rated Power (kW)	定子电流 Stator Current (A)	额定转速 Rated Speed (r/min)	效率 Efficiency (%)	功率因数 Power Factor $\cos \phi$	最大转矩 Max Torque	堵转转矩 Locked Torque	堵转电流 Locked Current	转动惯量 Rotational Inertia		重量 Weight (kg) YKK
						额定转矩 Rated Torque	额定转矩 Rated Torque	额定电流 Rated Current	电机JM Motor (kg.m <sup>2</sup> )	允许负载J Promissory (kg.m <sup>2</sup> )	
YKK500-6	500	37.1	989	93.9	0.83	1.8	0.7	6.0	33.0	485	5880
	560	40.9	990	94.1	0.84	1.8	0.7	6.0	35.0	485	6110
YKK560-6	630	45.9	990	94.4	0.84	1.8	0.7	6.0	50.0	540	7500
	710	51.6	990	94.6	0.84	1.8	0.7	6.0	60.0	599	7850
YKK630-6	800	58.1	991	94.7	0.84	1.8	0.7	6.0	63.0	665	8100
	900	64.4	991	94.9	0.85	1.8	0.6	6.0	67.0	736	8300
YKK500-8	1000	71.4	991	95.1	0.85	1.8	0.6	6.	121.0	805	10750
	1120	79.9	991	95.2	0.85	1.8	0.6	6.0	128.0	886	11150
YKK560-8	1250	88.1	991	95.3	0.86	1.8	0.7	6.0	135.0	970	11500
	220	18.2	740	92.0	0.76	1.8	0.7	6.0	28.0	423	5280
YKK630-8	250	20.6	740	92.2	0.76	1.8	0.7	6.0	30.0	476	5430
	280	23.0	740	92.5	0.76	1.8	0.7	6.0	32.0	530	5660
YKK500-10	315	25.5	741	92.8	0.77	1.8	0.7	6.0	34.0	588	5700
	355	28.6	741	93.1	0.77	1.8	0.7	6.0	36.0	656	5760
YKK560-10	400	31.8	741	93.2	0.78	1.8	0.7	6.0	38.0	730	5820
	450	35.7	742	93.4	0.78	1.8	0.7	6.0	63.0	810	7850
YKK630-10	500	39.0	742	93.8	0.79	1.8	0.7	6.0	67.0	890	8100
	560	43.6	742	93.9	0.79	1.8	0.7	6.0	70.0	988	8300
YKK500-12	630	47.0	743	94.4	0.82	1.8	0.7	6.0	74.0	1098	8500
	710	52.8	743	94.6	0.82	1.8	0.7	6.0	145.0	1221	10400
YKK560-12	800	59.5	743	94.7	0.82	1.8	0.7	6.0	151.0	1357	10800
	900	66.8	743	94.8	0.82	1.8	0.7	6.0	166.0	1505	11200
YKK630-12	220	19.2	593	91.9	0.72	1.8	0.7	6.0	38.0	698	5760
	250	21.8	593	92.1	0.72	1.8	0.7	6.0	39.3	775	5930
YKK500-14	280	23.7	594	92.4	0.74	1.8	0.7	6.0	40.0	865	6120
	315	26.5	594	92.6	0.74	1.8	0.7	6.0	78.0	1014	7350
YKK560-14	355	29.4	593	92.8	0.75	1.8	0.7	6.0	83.0	1131	7500
	400	33.1	594	93.0	0.75	1.8	0.7	6.0	87.0	1261	7850
YKK630-14	450	36.7	594	93.2	0.76	1.8	0.7	6.0	92.0	1403	8100
	500	40.1	593	93.4	0.77	1.8	0.7	6.0	97.0	1544	8300
YKK500-16	560	44.3	593	93.5	0.78	1.8	0.7	6.0	153.0	1710	10600
	630	49.8	594	93.7	0.78	1.8	0.7	6.0	162.0	1902	11000
YKK560-16	710	56.0	594	93.9	0.78	1.8	0.7	6.0	169.0	2116	11400
	800	61.2	495	94.3	0.80	1.8	0.7	6.0	178.0	2355	11800
YKK630-16	220	19.2	495	91.8	0.72	1.8	0.7	6.0	88.0	1135	7350
	250	21.8	495	92.0	0.72	1.8	0.7	6.0	97.0	1210	7500
YKK500-18	280	24.4	495	92.1	0.72	1.8	0.7	6.0	100	1418	7850
	315	27.4	495	92.3	0.72	1.8	0.7	6.0	108	1580	8100
YKK560-18	355	30.4	495	92.5	0.73	1.8	0.7	6.0	115	1763	8300
	400	34.1	495	92.7	0.73	1.8	0.7	6.0	139	1967	10600
YKK630-18	450	38.3	495	92.9	0.73	1.8	0.7	6.0	156	2190	11000
	500	42.4	495	93.2	0.73	1.8	0.7	6.0	172	2411	11400
	560	46.7	495	93.5	0.74	1.8	0.7	6.0	180	2672	11800



# YR, YRKS, YRKK系列中型高压(6kV, 10kV)三相异步电动机 (II355-630)

## 5. YR, YRKS系列高压三相异步电动机(6kV)

YR, YRKS Companion High-voltoge3-phase Asynchronous Motor(6kV)

表5 YR, YRKS系列电动机技术数据(6kV)  
List5: The Technical Data of YR, YRKS Companion Motors(6kV)

型号 Type	额定功率 Rated Power (kW)	定子电流 Stator Current (A)	额定转速 Rated Speed (r/min)	效率 Efficiency (%)	功率因数 Power Factor $\cos \phi$	最大转矩 Max. Torque	转子 Rotor		电机转动惯量 $J_M$ Motor moment of inertia (kg·m <sup>2</sup> )	重量 Weight (kg)
							额定转矩 Rated Torque	电压 Voltage V	电流 Current A	
YR355-4	220	27.0	1473	93.0	0.86	1.9	394	394	6	2240
	250	30.5	1473	93.2	0.86	1.9	376	416	6	2500
	280	33.0	1473	93.4	0.86	1.9	408	429	7	2540
YR400-4	315	37.9	1474	93.5	0.86	1.9	397	492	12	3400
	355	41.1	1475	93.5	0.86	1.9	434	507	13	3450
	400	46.1	1476	93.8	0.87	1.9	478	517	15	3600
	450	51.5	1477	94.0	0.87	1.9	531	521	15	3800
	500	57.1	1479	94.2	0.87	1.9	597	513	17	3900
YR450-4	560	63.8	1477	94.4	0.87	1.9	532	650	23	3800
	630	72.2	1478	94.6	0.88	1.9	600	646	26	4100
	710	80.6	1480	95.0	0.88	1.9	686	633	29	4300
	800	90.3	1482	95.0	0.88	1.9	801	608	32	4500
YR500-4	900	103.0	1481	95.2	0.88	1.9	1019	542	37	5000
	1000	113.0	1484	95.4	0.88	1.9	1191	511	44	5500
	1120	126.5	1484	95.4	0.88	1.9	1300	525	50	6000
	1250	141.0	1484	95.5	0.88	1.9	1429	533	50	6500
YR560-4	1400	157.0	1485	95.7	0.89	1.9	1474	578	78	7350
	1600	178.0	1485	95.7	0.89	1.6	1639	593	85	7650
	1800	198.9	1486	96.0	0.89	1.9	1844	592	93	7950
YR630-4	2000	223.0	1486	96.0	0.89	1.9	1592	7135	124	8300
	2240	249.0	1487	96.2	0.89	1.9	1791	759	136	8660
	2500	276.0	1488	96.3	0.89	1.9	2048	738	153	9080
YR400-6	220	26.8	983	92.6	0.83	1.9	345	399	21	3070
	250	30.1	983	92.8	0.84	1.9	374	418	24	3150
	280	33.8	984	93.0	0.83	1.9	408	428	25	3200
	315	38.7	984	93.1	0.84	1.9	449	437	27	3320
	355	42.5	985	93.5	0.84	1.9	499	442	30	3460
YR450-6	400	48.0	983	93.7	0.85	1.9	439	567	37	3600
	450	53.4	984	93.8	0.85	1.9	489	572	41	3800
	500	59.2	985	94.0	0.85	1.9	550	562	46	4000
	560	66.5	985	94.2	0.85	1.9	622	556	52	4200
YR500-6	630	74.1	987	94.5	0.87	1.9	938	414	59	4750
	710	84.0	988	94.6	0.87	1.9	1073	406	65	5500
	800	93.3	987	94.8	0.87	1.9	1254	390	75	5700
	900	104.5	988	95.0	0.87	1.9	1253	441	88	5900
YR560-6	1000	115.0	988	95.2	0.88	1.9	1365	448	102	6700
	1120	128.0	988	95.3	0.88	1.9	1503	456	117	6950
	1250	142.0	988	95.4	0.88	1.9	1671	457	128	7300
YR630-6	1400	162.0	989	95.7	0.87	1.9	1501	570	174	8100
	1600	185.0	989	95.8	0.88	1.9	1670	586	190	8500
	1800	206.0	990	95.9	0.88	1.9	1880	584	214	8900
YR400-8	220	28.7	735	92.3	0.80	1.9	477	292	29	3500
	250	32.3	735	92.5	0.80	1.9	514	308	34	3700
	280	36.3	735	92.6	0.80	1.9	557	318	36	3900



# YR, YRKS, YRKK 系列中型高压(6kV, 10kV)三相异步电动机 (H355-630)

续表5 YR, YRKS 系列电动机技术数据 (6kV)  
Continuous List5: The Technical Data of YR, YRKS Companion Motors(6kV)

型号 Type	额定功率 Rated Power (kW)	定子电流 Stator Current (A)	额定转速 Rated Speed (r/min)	效率 Efficiency (%)	功率因数 Power Factor $\cos \phi$	最大转矩 Max Torque	转子 Rotor		电机转动惯量 $J_M$ Motor moment of inertia (kg·m <sup>2</sup> )	重量 Weight (kg)
							额定转矩 Rated Torque	电压 Voltage V	电流 Current A	
YR450-8	315	41.3	737	92.8	0.82	1.90	559	355	43	3800
	355	46.0	737	93.0	0.82	1.90	610	366	45	3870
	400	51.6	738	93.2	0.81	1.90	670	373	48	3960
	450	57.7	738	93.5	0.81	1.90	745	377	53	4180
YR500-8	500	63.0	738	93.7	0.83	1.82	734	431	62	4660
	560	67.8	738	93.9	0.83	1.80	809	438	66	4900
	630	76.3	739	94.1	0.83	1.83	897	442	74	5050
	710	86.8	739	94.2	0.83	1.85	1011	441	81	5280
YR560-8	800	97.0	741	94.7	0.82	1.90	1185	419	118	6500
	900	109.4	741	94.7	0.83	1.90	1285	436	137	6700
	1000	121.4	741	95.0	0.83	1.90	1401	444	156	6900
YR630-8	1120	138.9	742	95.3	0.82	1.90	1285	541	209	7900
	1250	156.0	742	95.3	0.82	1.90	1402	553	227	8200
	1400	169.7	742	95.4	0.82	1.90	1543	562	245	8500
	1600	193.1	742	95.5	0.82	1.85	1716	578	273	8800
YR450-10	220	31.2	588	91.4	0.78	1.90	339	412	41	3700
	250	35.4	588	91.7	0.78	1.90	370	429	45	3850
	280	39.4	588	92.0	0.79	1.85	407	436	49	4000
	315	44.4	589	92.1	0.79	1.90	452	439	54	4200
	355	50.0	588	93.2	0.79	1.85	485	461	60	4400
YR500-10	400	53.9	590	93.0	0.79	1.90	433	577	81	4600
	450	59.8	590	93.3	0.79	1.90	488	575	93	4800
	500	67.7	591	93.4	0.79	1.90	559	555	109	5000
	560	74.3	590	93.6	0.80	1.82	558	627	109	5200
YR560-10	630	78.9	591	94.1	0.81	1.90	956	414	151	6300
	710	88.7	591	94.2	0.81	1.90	1114	398	181	6450
	800	99.7	591	94.3	0.81	1.90	1214	411	203	6650
YR630-10	900	112.0	592	94.4	0.82	1.90	1222	457	237	7000
	1000	123.7	592	94.5	0.82	1.90	1343	461	270	7500
	1120	138.4	592	94.6	0.82	1.90	1493	463	270	8000
	1250	154.5	593	94.7	0.82	1.90	1680	458	325	8500
YR450-12	220	33.0	489	90.6	0.73	1.90	413	341	51	3700
	250	36.2	489	90.9	0.73	1.85	454	352	55	3950
YR500-12	280	40.0	490	91.8	0.75	1.90	593	297	70	4500
	315	45.1	490	92.1	0.76	1.90	648	306	78	4650
	355	51.7	490	92.3	0.76	1.90	712	313	81	4800
	400	56.5	490	92.5	0.76	1.90	793	316	89	5000
YR560-12	450	64.4	491	93.8	0.76	1.90	892	315	137	5730
	500	65.2	491	93.5	0.78	1.81	792	399	151	5900
	560	72.4	492	93.5	0.79	1.84	893	395	166	6100
	630	81.7	492	93.8	0.78	1.90	1020	387	188	6300
YR630-12	710	95.0	493	93.8	0.78	1.90	1137	390	248	7850
	800	106.0	493	94.0	0.78	1.90	1240	403	270	8500
	900	116.5	493	94.0	0.78	1.90	1364	413	314	8600
	1000	129.5	493	94.1	0.78	1.90	1516	411	346	9000



# YR, YRKS, YRKK系列中型高压(6kV, 10kV)三相异步电动机(H355-630)

## 6. YRKK系列高压三相异步电动机(6kV)

YRKK Companion High-voltage 3-phase Asynchronous Motor(6kV)

表6 YRKK系列电动机技术数据(6kV)  
List6: The Technical Data of YRKK Companion Motors(6kV)

型号 Type	额定功率 Rated Power (kW)	定子电流 Stator Current (A)	额定转速 Rated Speed (r/min)	效率 Efficiency (%)	功率因数 Power Factor $\cos \phi$	最大转矩 Max Torque	转子 Rotor		电机转动惯量 Motor moment of inertia (kg·m <sup>2</sup> )	重量 Weight (kg)
							额定转矩 Rated Torque	电压 Voltage V	电流 Current A	
YRKK355-4	185	22.6	1500	92.8	0.83	2.5	313	373	7	2500
	200	24.4	1500	93.0	0.83	2.5	336	374	7	2550
	220	26.8	1500	93.4	0.84	2.5	362	384	8	2600
YRKK400-4	250	30.4	1500	93.4	0.86	2.9	355	438	17	2650
	280	33.6	1500	93.7	0.87	2.8	386	451	19	2740
	315	37.8	1500	93.9	0.87	2.9	420	464	20	2800
	355	42.5	1500	94.2	0.87	2.9	463	473	22	2870
	400	47.8	1500	94.3	0.86	3.0	514	479	24	2990
YRKK450-4	450	53.6	1500	94.5	0.87	2.8	718	387	23	3660
	500	59.5	1500	94.8	0.88	2.9	799	385	26	4400
	560	66.5	1500	95.0	0.88	3.1	899	381	29	4560
	630	74.7	1500	95.1	0.86	3.3	1027	374	32	4720
YRKK500-4	710	84.0	1500	95.0	0.86	2.5	869	504	37	4890
	800	93.3	1500	95.4	0.86	2.6	996	492	44	5640
	900	104.9	1500	95.7	0.86	2.9	1162	472	50	5660
	1000	116.4	1500	95.7	0.86	2.6	1163	526	50	5850
YRKK560-4	1120	130.3	1500	95.6	0.88	3.3	1303	522	85	6030
	1250	143.6	1500	95.7	0.88	3.4	1433.9	529	93	7800
	1400	160.6	1500	95.8	0.87	3.5	7919.4	921	101	8050
YRKK630-4	1600	183.4	1500	95.8	0.91	2.6	870.3	1122	136	8300
	1800	206.1	1500	96.0	0.91	2.6	980	1118	153	10400
	2000	228.8	7500	96.0	0.91	2.8	1121	1082.9	181	10800
YRKK400-6	185	23.5	1000	92.7	0.83	2.7	322	360	24	2610
	200	25.3	1000	92.8	0.82	2.8	347	360	25	2665
	220	27.8	1000	93.1	0.82	2.8	376	364	27	2700
	250	31.5	1000	93.2	0.83	2.8	411	379	30	2750
	280	35.2	1000	93.3	0.83	2.8	452	384	32	2895
YRKK450-6	315	39.5	1000	93.5	0.83	2.6	410	478	37	3500
	355	43.9	1000	93.8	0.83	2.5	451	488	41	4380
	400	49.4	1000	94.0	0.83	2.5	502	493	46	4540
	450	55.4	1000	94.1	0.84	2.6	565	491	52	4690
YRKK500-6	500	61.5	1000	94.3	0.84	3.0	832	370	59	5100
	560	68.0	1000	94.5	0.84	3.1	936	367	65	5355
	630	76.4	1000	94.8	0.84	3.2	1071	360	75	5440
	710	85.8	1000	95.0	0.84	3.4	1252	346	88	5700
YRKK560-6	800	96.6	1000	94.9	0.85	2.9	1072	458	102	7000
	900	107.2	1000	95.1	0.85	3.7	1251	439	117	7500
	1000	119.0	1000	95.2	0.85	3.1	1365	447	128	7850
YRKK630-6	1120	133.2	1000	95.0	0.86	3.0	871	784	190	8250
	1250	146.8	1000	95.2	0.86	3.5	969	785	214	10750
	1400	164.2	1000	95.3	0.86	3.6	1091	779	238	11150
YRKK400-8	185	24.7	750	92.6	0.78	2.4	432	269	31	2785
	200	26.6	750	92.3	0.78	2.5	494	254	36	2840



# YR, YRKS, YRKK系列中型高压(6kV, 10kV)三相异步电动机 (II355-630)



续表6 YRKK系列电动机技术数据(6kV)  
Continuous List 6: The Technical Data of YRKK Companion Motors(6kV)

型号 Type	额定功率 Rated Power (kW)	定子电流 Stator Current (A)	额定转速 Rated Speed (r/min)	效率 Efficiency (%)	功率因数 Power Factor $\cos \phi$	最大转矩 Max Torque	转子 Rotor		电机转动惯量 J_M Motor moment of inertia (kg·m²)	重量 Weight (kg)
							额定转矩 Rated Torque	电压 Voltage V	电流 Current A	
YRKK450-8	220	29.2	750	92.6	0.79	2.7	510	270	45	3910
	250	32.7	750	92.8	0.79	2.7	552	283	48	4560
	280	36.6	750	93.0	0.79	2.7	603	289	53	4650
	315	41.1	750	93.2	0.81	2.5	665	295	60	4740
YRKK500-8	355	46.2	750	93.7	0.80	2.6	632	350	62	4940
	400	51.3	750	93.9	0.80	2.6	689	360	66	5110
	450	57.7	750	94.1	0.81	2.5	760	367	74	5280
	500	63.8	750	94.3	0.80	2.6	844	366	81	5430
YRKK560-8	560	71.4	750	94.5	0.81	2.8	861	401	118	6500
	630	78.2	750	94.7	0.82	2.8	970	399	137	7500
	710	88.1	750	94.9	0.82	2.9	1110	392	156	7750
	800	99.1	750	94.9	0.81	3.1	7296	377	182	8000
YRKK630-8	900	108.8	750	94.9	0.83	2.8	1297	425	227	9500
	1000	120.7	750	95.0	0.82	2.8	1413	433	245	10400
	1120	135.1	750	95.1	0.83	2.8	899	762	273	10800
	1250	150.6	750	95.3	0.83	2.8	1000	763	301	11200
YRKK450-10	185	25.9	600	92.7	0.75	2.5	352	330	43	4580
	200	27.9	600	92.4	0.76	2.5	382	328	48	4670
	220	30.6	600	92.6	0.75	2.5	417	330	50	4760
	250	34.8	600	92.8	0.75	2.5	459	340	55	4860
YRKK500-10	280	38.8	600	93.1	0.76	2.3	379	461	74	5000
	315	43.0	600	93.3	0.76	2.3	422	465	81	5220
	355	48.3	600	93.6	0.76	2.7	474	464	93	5375
	400	54.3	600	93.7	0.76	2.4	544	456	109	5535
YRKK560-10	450	61.0	600	93.9	0.79	2.7	896	311	137	6900
	500	65.9	600	94.1	0.78	2.8	1007	306	151	7470
	560	73.7	600	94.3	0.80	2.8	1155	298	781	7690
	630	82.9	600	94.5	0.79	3.0	1348	286	210	7920
YRKK630-10	710	93.2	600	94.5	0.82	2.5	1157	379	237	9000
	800	102.1	600	94.7	0.82	2.7	1352	364	280	10600
	900	114.8	600	94.7	0.82	2.6	1473	376	303	11000
	1000	127.4	600	95.0	0.87	2.7	935.5	655	325	11400
YRKK450-12	185	27.7	500	91.6	0.71	2.0	347	339	51	4770
	200	29.9	500	91.9	0.71	2.0	376	337	55	4950
YRKK500-12	220	31.9	500	92.6	0.73	2.1	518	268	70	5090
	250	36.1	500	92.9	0.74	2.0	563	281	78	5340
	280	40.4	500	93.1	0.73	2.0	613	288	81	5410
	315	45.4	500	93.3	0.74	2.0	675	294	89	5660
YRKK560-12	355	49.6	500	93.1	0.73	2.6	716	308	139	7440
	400	55.7	500	93.4	0.75	2.6	798	311	159	7650
	450	62.7	500	93.6	0.73	2.7	897	310	195	7860
YRKK630-12	500	69.4	500	93.6	0.76	2.8	902	343	248	10600
	560	75.6	500	93.8	0.75	3.0	1031	335	280	11000
	630	84.9	500	94.1	0.75	3.1	1204	321	335	11400
	710	95.6	500	94.1	0.75	3.0	1312	332	357	11800



# YR, YRKS, YRKK 系列中型高压(6kV, 10kV)三相异步电动机 (H355-630)

## 7. YR, YRKS系列高压三相异步电动机(10kV)

YR, YRKS Companion High-voltoge 3-phase Asynchronous Motor(10kV)

表7 YR, YRKS系列电动机技术数据(10kV)

List 7: The Technologe Data of YR, YRKS Companion Motors(10kV)

型号 Type	额定功率 Rated Power (kW)	定子电流 Stator Current (A)	额定转速 Rated Speed (r/min)	效率 Efficiency (%)	功率因数 Power Factor $\cos \phi$	最大转矩 Max. Torque	转子 Rotor		电机转动惯量 J_M Motor moment of inertia (kg·m <sup>2</sup> )	重量 Weight (kg)
							额定转矩 Rated Torque	电压 Voltage V	电流 Current A	
YR450-4	220	16.07	1474	92.06	0.859	2.65	414	333	9.0	3140
	250	18.19	1474	92.31	0.859	2.57	444	353	9.5	3450
	280	20.11	1474	92.68	0.867	2.55	479	366	10.2	3510
	315	22.52	1475	92.94	0.869	2.53	519	379	10.8	3570
	355	25.10	1475	92.96	0.875	2.51	567	390	12.0	3660
	400	28.41	1473	93.28	0.871	2.17	518	485	12.5	3660
	450	31.49	1474	93.59	0.881	2.15	567	497	12.9	3730
	500	34.83	1475	93.83	0.883	2.19	625	500	13.4	3830
	560	38.43	1476	94.26	0.892	2.24	696	500	13.8	3990
	630	43.76	1481	94.03	0.881	2.24	566	691	14.7	4850
YR500-4	710	49.11	1481	94.27	0.885	2.21	610	722	22.0	5000
	800	54.57	1481	94.53	0.895	2.14	663	749	23.0	5230
	900	60.78	1481	94.72	0.903	2.08	725	770	25.0	5380
	1000	67.92	1482	94.93	0.895	2.85	1225	500	27.0	6540
YR560-4	1120	75.31	1483	95.11	0.903	2.89	1364	501	29.0	6800
	1250	84.59	1484	95.26	0.896	3.05	1533	496	40.0	7030
	1400	96.98	1486	95.52	0.873	2.70	1480	576	43.0	8430
	1600	109.86	1487	95.77	0.878	2.79	1695	573	46.0	8850
YR630-4	1800	123.07	1487	95.89	0.881	2.72	1826	598	86.0	9090
	2000	135.07	1487	96.40	0.890	2.66	1983	612	96.0	9470
	220	16.68	984	92.29	0.825	2.12	428	325	13.2	3580
YR450-6	250	19.24	984	92.49	0.881	2.14	456	345	13.4	3580
	280	21.13	984	92.74	0.825	2.07	493	358	13.6	3670
	315	23.69	984	93.03	0.825	2.03	535	371	14.7	3750
	355	26.54	984	93.20	0.829	1.99	584	383	15.7	3850
	400	29.68	985	93.44	0.933	1.97	643	391	17.7	3970
	450	32.40	984	93.37	0.859	2.06	588	481	18.2	4650
YR500-6	500	36.54	985	93.63	0.844	2.18	645	486	23.0	4730
	560	40.17	986	93.92	0.857	2.13	719	486	25.0	4930
	630	45.30	987	94.20	0.852	2.20	809	484	27.0	5120
	710	50.09	988	94.80	0.863	2.46	1132	385	29.0	6660
YR560-6	800	56.41	988	94.91	0.863	2.46	1245	394	31.0	6850
	900	63.04	989	95.14	0.866	2.47	1385	398	49.0	7150
	1000	69.80	988	95.30	0.868	1.98	1130	549	53.0	8080
YR630-6	1120	77.67	989	95.47	0.872	1.99	1245	557	56.0	8330
	1250	86.73	989	95.60	0.870	2.05	1383	558	60.0	8550
	1400	96.80	990	95.85	0.871	2.11	1557	553	114.0	8920
	220	17.76	735	92.05	0.777	2.20	424	328	16.0	3570
YR400-8	250	20.00	735	92.25	0.782	2.11	455	348	17.0	3650
	280	22.01	738	92.90	0.790	2.04	457	385	18.0	4450



# YR, YRKS, YRKK 系列中型高压(6kV, 10kV)三相异步电动机 (H355~630)

续表7 YR, YRKS系列电动机技术数据(10kV)  
Continuous List 7: The Technologe Data of YR, YRKS Companion Motors(10kV)

型号 Type	额定功率 Rated Power (kW)	定子电流 Stator Current (A)	额定转速 Rated Speed (r/min)	效率 Efficiency (%)	功率因数 Power Factor $\cos \phi$	最大转矩 Max Torque	转子 Rotor		电机转动惯量 $J_M$ Motor moment of inertia (kg·m <sup>2</sup> )	重量 Weight (kg)
							额定转矩 Rated Torque	电压 Voltage V		
YR500-8	315	24.76	738	93.07	0.789	2.00	492	403	22.0	4500
	355	27.80	739	93.37	0.790	1.97	533	418	24.0	4610
	400	31.39	739	93.51	0.787	1.95	581	432	26.0	4700
	450	35.05	739	93.72	0.791	1.93	640	441	28.0	4900
	500	39.00	740	94.01	0.787	1.99	711	439	30.0	5100
YR560-8	560	41.58	742	94.30	0.825	2.09	914	381	32.0	6170
	630	46.59	742	94.49	0.826	2.05	985	398	56.0	6300
	710	52.29	741	94.64	0.828	1.99	1068	415	60.0	6470
YR630-8	800	60.80	743	94.75	0.802	2.19	1062	465	63.0	7760
	900	67.89	743	94.91	0.806	2.16	1160	479	67.0	7970
	1000	75.15	743	95.04	0.808	2.17	1278	483	141.0	8210
	1120	83.95	743	95.18	0.809	2.20	1421	485	149.0	8500
YR500-10	220	18.67	590	91.86	0.741	2.34	478	289	27.0	4400
	250	21.13	590	92.03	0.742	2.24	511	307	27.5	4460
	280	23.83	590	92.21	0.736	2.24	550	320	28.0	4500
	315	26.33	590	92.39	0.748	2.17	597	331	30.0	4630
	355	29.16	590	92.74	0.758	2.11	543	342	31.3	4770
	400	32.67	590	93.09	0.759	2.09	717	350	32.0	4980
	450	37.02	591	93.20	0.753	2.14	797	353	75.0	5130
YR560-10	500	39.22	592	93.10	0.791	1.96	922	341	80.0	6320
	560	43.64	592	93.35	0.794	1.95	1007	349	84.0	6510
	630	48.86	593	93.56	0.796	1.94	1108	357	89.0	6840
	710	53.58	592	93.95	0.814	1.93	1159	385	94.0	7850
YR630-10	800	60.27	592	94.17	0.814	1.96	1275	393	144.0	8100
	900	67.44	592	94.32	0.817	1.97	1419	396	153.0	8390
	1000	74.64	593	94.49	0.819	2.02	1598	389	161.0	8760
YR500-12	220	19.17	490	90.96	0.728	2.18	517	255	43.0	4590
	250	21.70	490	91.42	0.727	2.13	191	268	47.0	4700
	280	23.54	490	91.73	0.749	2.07	648	274	50.0	4940
	315	26.39	491	92.11	0.748	2.06	713	280	73.0	5120
YR560-12	355	29.28	494	92.46	0.757	2.13	786	283	77.0	6080
	400	33.07	494	92.47	0.755	2.09	841	299	82.0	6170
	450	36.93	494	92.77	0.758	2.04	906	312	87.0	6300
YR630-12	500	41.71	494	93.12	0.743	2.14	938	333	92.0	7880
	560	46.70	494	93.27	0.742	2.12	1023	341	119.0	8080
	630	52.14	494	93.46	0.746	2.11	1127	348	136.0	8340
	710	57.84	494	93.77	0.756	2.07	1255	352	152.0	8730

注：1. 表内数据供用户选型时参考，以提供的外形图为准。

2. 重量为估算值，误差±10%。

Note: 1. Data in this table are only as reference for selecting type, user should see the outline drawing provided;

2. Weight of the motor is estimated value with the error by ±10%.



# YR, YRKS, YRKK 系列中型高压(6kV, 10kV)三相异步电动机 (H355~630)

续表7 YR, YRKS系列电动机技术数据(10kV)  
Continuous List 7: The Technologe Data of YR, YRKS Companion Motors(10kV)

型号 Type	额定功率 Rated Power (kW)	定子电流 Stator Current (A)	额定转速 Rated Speed (r/min)	效率 Efficiency (%)	功率因数 Power Factor $\cos \phi$	最大转矩 Max Torque	转子 Rotor		电机转动惯量 $J_M$ Motor moment of inertia (kg·m <sup>2</sup> )	重量 Weight (kg)
							额定转矩 Rated Torque	电压 Voltage V	电流 Current A	
YR500-8	315	24.76	738	93.07	0.789	2.00	492	403	22.0	4500
	355	27.80	739	93.37	0.790	1.97	533	418	24.0	4610
	400	31.39	739	93.51	0.787	1.95	581	432	26.0	4700
	450	35.05	739	93.72	0.791	1.93	640	441	28.0	4900
	500	39.00	740	94.01	0.787	1.99	711	439	30.0	5100
YR560-8	560	41.58	742	94.30	0.825	2.09	914	381	32.0	6170
	630	46.59	742	94.49	0.826	2.05	985	398	56.0	6300
	710	52.29	741	94.64	0.828	1.99	1068	415	60.0	6470
YR630-8	800	60.80	743	94.75	0.802	2.19	1062	465	63.0	7760
	900	67.89	743	94.91	0.806	2.16	1160	479	67.0	7970
	1000	75.15	743	95.04	0.808	2.17	1278	483	141.0	8210
	1120	83.95	743	95.18	0.809	2.20	1421	485	149.0	8500
YR500-10	220	18.67	590	91.86	0.741	2.34	478	289	27.0	4400
	250	21.13	590	92.03	0.742	2.24	511	307	27.5	4460
	280	23.83	590	92.21	0.736	2.24	550	320	28.0	4500
	315	26.33	590	92.39	0.748	2.17	597	331	30.0	4630
	355	29.16	590	92.74	0.758	2.11	543	342	31.3	4770
	400	32.67	590	93.09	0.759	2.09	717	350	32.0	4980
	450	37.02	591	93.20	0.753	2.14	797	353	75.0	5130
YR560-10	500	39.22	592	93.10	0.791	1.96	922	341	80.0	6320
	560	43.64	592	93.35	0.794	1.95	1007	349	84.0	6510
	630	48.86	593	93.56	0.796	1.94	1108	357	89.0	6840
	710	53.58	592	93.95	0.814	1.93	1159	385	94.0	7850
YR630-10	800	60.27	592	94.17	0.814	1.96	1275	393	144.0	8100
	900	67.44	592	94.32	0.817	1.97	1419	396	153.0	8390
	1000	74.64	593	94.49	0.819	2.02	1598	389	161.0	8760
YR500-12	220	19.17	490	90.96	0.728	2.18	517	255	43.0	4590
	250	21.70	490	91.42	0.727	2.13	191	268	47.0	4700
	280	23.54	490	91.73	0.749	2.07	648	274	50.0	4940
	315	26.39	491	92.11	0.748	2.06	713	280	73.0	5120
YR560-12	355	29.28	494	92.46	0.757	2.13	786	283	77.0	6080
	400	33.07	494	92.47	0.755	2.09	841	299	82.0	6170
	450	36.93	494	92.77	0.758	2.04	906	312	87.0	6300
YR630-12	500	41.71	494	93.12	0.743	2.14	938	333	92.0	7880
	560	46.70	494	93.27	0.742	2.12	1023	341	119.0	8080
	630	52.14	494	93.46	0.746	2.11	1127	348	136.0	8340
	710	57.84	494	93.77	0.756	2.07	1255	352	152.0	8730

注：1. 表内数据供用户选型时参考，以提供的外形图为准；

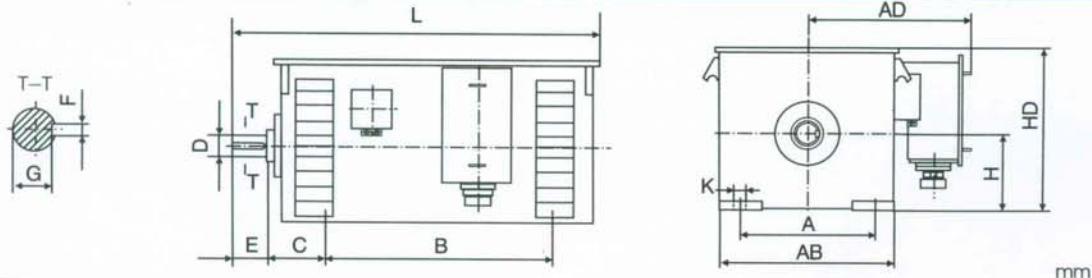
2. 重量为估算值，误差±10%。

Note: 1. Data in this table are only as reference for selecting type, user should see the outline drawing provided;

2. Weight of the motor is estimated value with the error by ±10%.

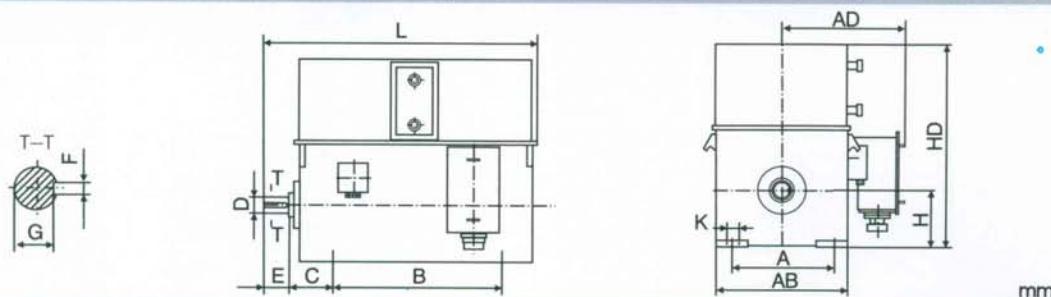


Y系列外形及安装尺寸 (Y Companion Outline and mounting dimensions)



机座号 Frame No.	极数 pole	安 装 尺 寸 mounting dimensions									外 形 尺寸 outline dimensions			
		A	B	C	D	E	F	G	H	K	AB	AD	HD	L
355	2	630	900	315	80	170	22	71	355	28	820	840	1400	1780
	4-6				100	210	28	90					760	1890
400	2	710	1000	375	90	170	25	81	400	35	880	860	850	1910
	4-8			335	110		28	100					2050	
450	2	800	1120	400	100	210	28	90	450	42	1000	900	950	2090
	4			355	120		32	109					2240	
	6-12				130	250	32	119					1840	2760
500	2	900	1250	560	110	210	28	100	500	42	1100	950	1050	2550
	4			475	130		32	119					1210	
	6-12				140	250	36	128					2360	3000
560	2	1000	1400	560	130		32	119	560	42	1300	1050	1840	2240
	4			500	150	300	36	138					1210	
	6-12				160		40	147					1360	3070
630	2	1120	1600	560	140	250	36	128	630	48	1460	1260	2420	
	4			530	170	300	40	157					3070	
	6-12				180		45	165						

YKS系列外形及安装尺寸 (YKS Companion Outline and mounting dimensions)

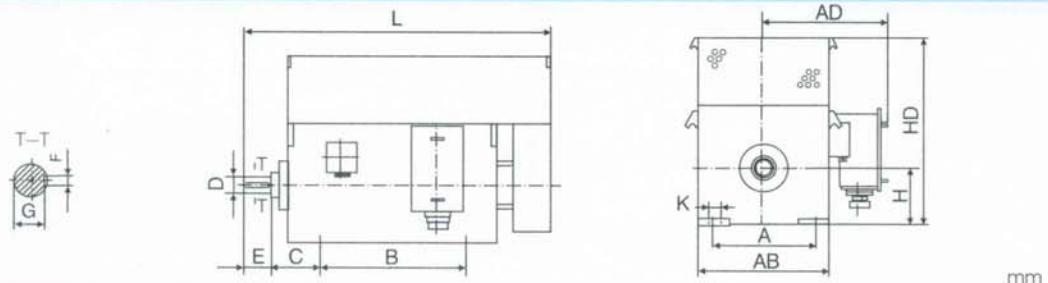


机座号 Frame No.	极数 pole	安 装 尺 寸 mounting dimensions									外 形 尺寸 outline dimensions			
		A	B	C	D	E	F	G	H	K	AB	AD	HD	L
355	2	630	900	315	80	170	22	71	355	28	820	840	1400	1780
	4-6				100	210	28	90					760	
400	2	710	1000	375	90	170	25	81	400	35	880	860	1500	1910
	4-8			335	110		28	100					2050	
450	2	800	1120	400	100	210	28	90	450	42	1000	900	1620	2090
	4			355	120		32	109					2240	
	6-12				130	250	36	119					1840	
500	2	900	1250	560	110	210	28	100	500	42	1100	950	1920	2240
	4			475	130		32	119					1210	
	6-12				140	250	36	128					2420	
560	2	1000	1400	560	130		32	119	560	42	1300	1050	2080	2760
	4			500	150	300	36	138					2240	
	6-12				160		40	147					3070	
630	2	1120	1600	560	140	250	36	128	630	48	1460	1260	2420	
	4			530	170	300	40	157					3070	
	6-12				180		45	165						



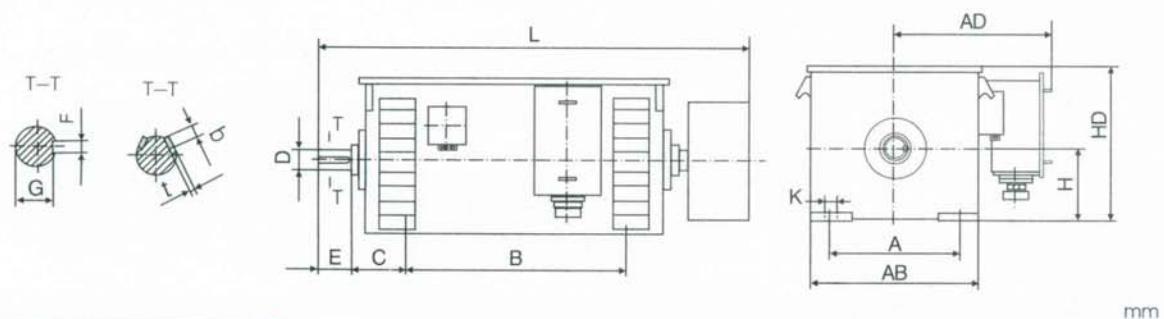
Y, YKS, YKK 系列中型高压(6kV, 10kV)三相异步电动机 (II355-630)

YKK系列外形及安装尺寸 (YKK Companion Outline and mounting dimensions)



机座号 Frame No.	极数 pole	安 装 尺 寸 mounting dimensions								外 形 尺寸 outline dimensions				
		A	B	C	D	E	F	G	H	K	AB	AD	HD	L
355	2	630	900	315	80	170	22	71	355	28	820	840	1400	2110
	4-6				100	210	28	90			880	860	1700	2160
400	2	710	1000	375	90	170	25	81	400	35	880	860	1700	2160
	4-8				335	110	210	100			90	109	1000	2340
450	2	800	1120	400	100	210	28	100	450	35	900	1000	1850	2500
	4				355		32	109			1100	950	1990	2500
	6-12			355	120	250	32	119			1300	1050	2210	2990
500	2	900	1250	560	110	210	28	100	500	42	950	1100	1990	2500
	4			475	130	250	32	119			128	130	1050	2210
	6-12			475	140		36	128			147	150	1300	2990
560	2	1000	1400	560	130	250	32	119	560	42	1050	1300	2210	2990
	4			500	150		36	138			147	160	1300	2990
	6-12			500	160	300	40	147			165	170	1460	3560
630	2	1120	1600	560	140	250	36	128	630	48	1260	1460	2360	3560
	4			530	170	300	40	157			165	180	1460	3560

YR系列外形及安装尺寸 (YR Companion Outline and mounting dimensions)

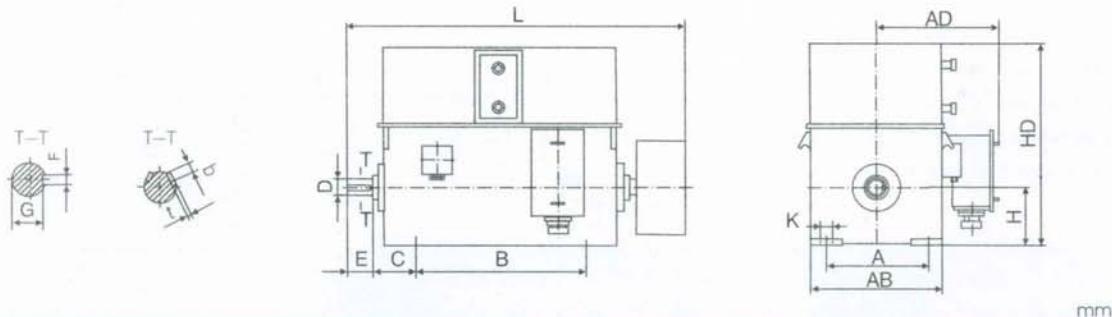


机座号 Frame No.	极数 pole	安 装 尺 寸 mounting dimensions								外 形 尺寸 outline dimensions						
		A	B	C	D	E	F	G	t	b	H	K	AB	AD	HD	L
355	4	630	900	315	100	210	28	90			355	28	820	840	760	2090
	4-8							100			400		880	860	850	2300
450	4	800	1120	355	120	210	32	109			450	35	1000	900	950	2540
	6-12							119			500		1100	950	1050	2590
500	4	900	1250	475	140	250	32	119			500	42	1100	950	1050	2720
	6-12							128			560		1300	1050	1270	2680
560	4	1000	1400	500	150	250	36	11.4	39.7		560	42	1840	1210	1210	3030
	6-12							160			42.8		1300	1050	1260	3240
630	4	1120	1600	530	170	300	36	12.4	44.2		630	48	1460	1260	1360	3240
	6-12							180			45.6		1460	1260	1360	3240



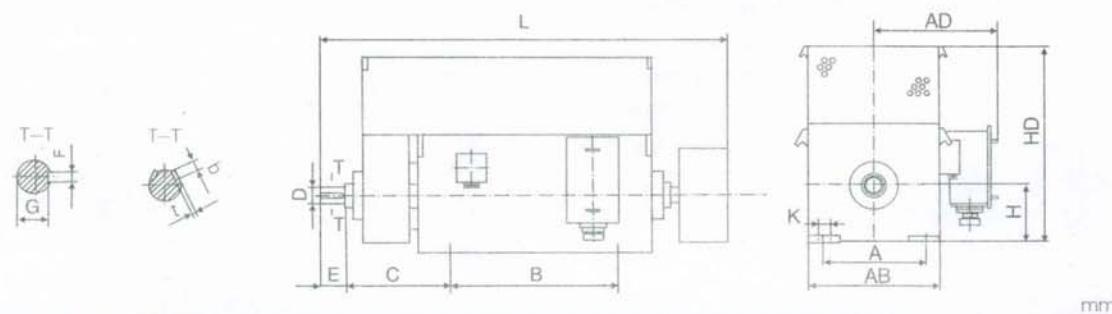
# Y, YKS, YKK 系列中型高压(6kV, 10kV)三相异步电动机 (H355~630)

## YRKS系列外形及安装尺寸 (YRKS Companion Outline and mounting dimensions)



机座号 Frame No.	极数 pole	安 装 尺 寸 mounting dimensions										外 形 尺寸 outline dimensions				
		A	B	C	D	E	F	G	t	b	H	K	AB	AD	HD	L
355	4-6	630	900	315	100		28	90			355	28	820	840	1400	2090
400	4-10	710	1000	335	110	210	28	100			400		880	860	1500	2300
450	4	800	1120	355	120		32	109			450	35	1000	900	1620	2590
	6-12				130		250	119					1100	950	1900	2680
500	4	900	1250	475	140		36	128			500	42	1300	1050	2080	3030
	6-12				150				11.4	39.7	560					
560	4	1000	1400	500	160					42.8						
	6-12				170	300				44.2	630	48	1460	1260	2420	3240
630	4	1120	1600	530	180					45.6						
	6-12															

## YRKK系列外形及安装尺寸 (YRKK Companion Outline and mounting dimensions)



机座号 Frame No.	极数 pole	安 装 尺 寸 mounting dimensions										外 形 尺寸 outline dimensions				
		A	B	C	D	E	F	G	t	b	H	K	AB	AD	HD	L
355	4	630	900	560	100		28	90			355	28	820	830	1400	2360
400	4-8	710	1000	630	110	210	28	100			400		880	860	1700	2550
450	4	800	1120	670	120		32	109			450	35	1000	900	1850	2840
	6-12				130		250	119					1100	950	1990	2980
500	4	900	1250	710	140		36	128			500	42	1300	1050	2210	3600
	6-12				150				11.4	39.7	560					
560	4	1000	1400	800	160					42.8	630	48	1460	1260	2360	4000
	6-12				170	300				44.2						
630	4	1120	1600	900	180					45.6						
	6-12															



## 订货须知 (Information for ordering)

- 定货时请注明电动机型号、极数、额定功率、额定电压、额定频率、安装方式、防护等级、冷却方式、环境条件、旋转方向(从轴伸端看)，未注明旋转方向时，按顺时针方向供货。
  - Y, YR系列电动机均装有定子测温元件。
  - 电动机需加装加热器时，请在订货时提出。
  - 如配套机械为通风机或磨煤机时，订货前请告知该机械的转动惯量(J)或惯量矩GD<sup>2</sup>。有必要时，应另订技术协议。
  - 电动机重量为估算值，误差为±10%
  - 随着产品的技术进步和国内外有关标准的修订，样本内技术参数如有变动，恕不另行通知。  
本公司还能承接如下产品，订货时应另订技术协议。
  - IP23外的其它防护型式的电机，如IP44、IP54、IP55等；立式电动机，有特殊要求的电机。
- 
- Please note the model number, series, rated power, rated frequency, installed mode, protecting grade, cooling mode, environmental conditions and rotating direction (seen from the projecting shaft) when ordering. If not note the rotating direction, the clockwise rotational products will be supplied.
  - Y.YR series motors are all placed with stator thermometric element which includes six Cu50 copper resistor elements in general(50 ohms at 0C 0Ω). If Pt100 platinum resistor element(100 ohms at 0°C 0)is needed by user, please putforward it at ordering
  - If motor is needed to mount heater, please put forward it at ordering.
  - If the mating machine is the ventilator or grinder etc., it is necessary to inform the moment of inertia(GD<sup>2</sup> or J) and the technical agreement should be made additionally if needed.
  - Weight of the motor is estimated with an error of ±10%
  - With the technical progress and the revision of relevant standards both at home and abroad, the technical parameters in the Sample are subject to change without notice.  
The following products can be ordered, but technical agreement must be made additionally.
  - The motor out of other protection type except IP23, for example IP44, IP54, IP55. Vertical motor.
  - The motor with special requirements.



达尔马

**DALMO MOTOR**

**大连嘉隆电机有限公司  
大连达尔马电机有限公司  
(原大连第三电机厂)**

**DALIAN JIALONG ELECTRIC MOTORS CO., LTD  
DALIAN DALMO ELECTRIC MOTORS CO., LTD  
(DALIAN THIRD ELECTRIC WORKS)**

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