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SIMO[®]
西玛电机



YE4系列（IP55）超超高效率三相异步电动机

YE4 series Ultra High Efficiency Three Phase Asynchronous Motor (IP55)

YE3系列（IP55）超高效率三相异步电动机

YE3 series Premium Efficiency Three Phase Asynchronous Motor (IP55)

YE2系列（IP55）高效率三相异步电动机

YE2 series High Efficiency Three Phase Asynchronous Motor (IP55)

西安泰富西玛电机有限公司

XI'AN TECH FULL SIMO MOTOR CO., LTD

中国·西安
CHINA·XIAN



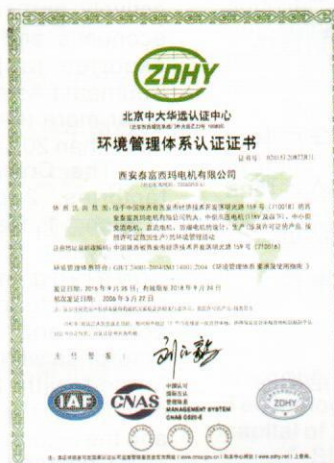
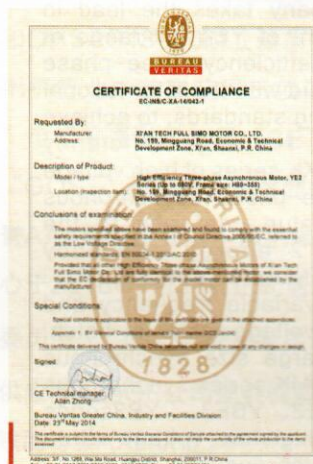
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accreditation certificate防爆电机生产许可证
Explosion proof motor
production permit北美铁路协会AAR认证
North American Railway
Association AAR certification

YE4系列 (IP55)

超超高效率三相异步电动机

一、概述

YE4系列 (IP55) 超超高效率三相异步电动机 (机座号80~355) (以下简称: 电动机) 是效率达到国际标准IEC 60034-30《单速三相笼型感应电动机效率分级》最新版本中的IE4效率要求的低压全封闭自扇冷式超超高效率鼠笼型三相异步电动机, 其效率值完全达到国家《中小型三相异步电动机能效限定值及能效等级》标准GB18613中的能效1级要求, 为目前全球最高效率的标准, 效率由测量输入-输出功率的损耗分析法确定 (按GB/T 1032-2012中11.3的规定)。

该产品可广泛应用于国民经济各个领域, 如机床、水泵、风机、压缩机, 也可适用于运输、搅拌、印刷、农机、食品等各类动力传输系统。

电动机的安装尺寸和功率等级符合IEC国际标准, 与德国DIN42673标准一致, 其外壳防护等级为IP55, 冷却方式为IC411, 连续工作制 (S1)。采用F级绝缘结构, 但全系列温升按B级考核; 并要求考核负载噪声。

电动机额定电压380V, 额定频率50Hz, 功率范围0.75~375kW, 包括2极、4极和6极电机。功率在3kW及以下者为Y接法, 其它功率均为 Δ 接法。

电动机运行地点的海拔不超过1000m; 最高环境温度随季节变化, 但不超过40℃; 最低环境温度-15℃。当电动机在海拔超过1000m或最高环境温度高于或低于40℃下使用时, 按旋

YE4 series Ultra High Efficiency

Three Phase Asynchronous Motor (IP55)

Overview

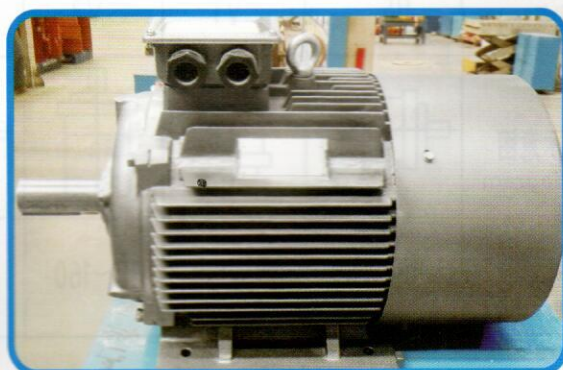
Ye4 series (IP55) ultra-high efficiency three-phase asynchronous motor (frame size 80 ~ 355) (hereinafter referred to as: motor) is the three-phase squirrel cage asynchronous motor with efficiency of IEC60034-30 international standard in latest version of IE4 of "single speed three-phase cage induction motors efficiency classification". Its efficiency value completely reaches the class 1 energy and efficiency standard of GB18613 in "Middle and Small Three-phase Asynchronous Motor Energy and Efficiency Limit and Classification" which is the highest standard. Its efficiency is determined by analysis method of measuring the loss of input and output power, (confirm to regulations of 11.3 in GB/T1032-2012)

The motor is widely used in many fields in national economy, such as machine tools, water pump, blower, compressor, as well as to be used in the field of transportation, mixer, printer, agriculture machinery, food etc.

Motor's mounting dimension and power rating completely conform to international IEC standards, and are accordance with German DIN42673 standard. The frame protection class is IP55, cooling method is IC411, continuous working duty is S1, class F insulation is adopted, but the temperature rise is assessed according to class B standard, noises on-load is examined according to the requirements as well.

The rated voltage of the motor is 380V, rated frequency is 50Hz, power range is from 0.75KW to 375KW, including 2P, 4P and 6P. The connection method is Y for motors below 3KW, Δ connection for other motors.

The altitude of the motor should be less than 1000m. The maximum ambient air temperature varies with seasons change, but it should not exceed 40℃, and the minimum ambient air temperature is -15℃. When motor use in the area with altitude over 1000m or the



转电机标准GB 755的要求进行修正。

H80~160机座号为全封闭轴承结构, H180及以上机座号为开启式轴承, 前、后轴承带不停机加注装置。电动机带防冷凝排水孔。电动机常规电线盒为顶出线, 也可根据用户要求做成右侧出线、左侧出线。接线盒可旋90°和180°, 方便用户不同位置出线。

maximum ambient air temperature is higher or lower than 40°C, motor should be modified according to the requirements of the rotary motor standard GB 755.

Frame H80 ~ 160 motor is with fully enclosed bearing structure, frame H180 and above is with open type bearing, DE and NDE bearing with non-stop filling device. Motor is with anti-condensation drain hole. Ordinarily the terminal box is on top, it can also be made on right and left according to user requirements. The terminal box can be rotated 90° and 180°, which is convenient for the user to get off

二、型号含义: Type designation

YE4-132 S 2-2



三、安装型式: Mounting version

结构及安装 代号(IM)	B3	B14	B34	B6	B7	B8	V5	V6
示意图 Diagram								
机座号 Frame	80~355	80~112		80~160				

结构及安装 代号(IM)	B5	V1	V3	B35	V15	V36	V18	V19
示意图 Diagram								
机座号 Frame	80~280	80~355	80~160	80~355	80~160		80~112	

四、节电计算方法

YE3与YE4节能数据对比分析

以YE3-280S-4 75KW与YE4-280S-4 75KW举例说明:

(一)性能数据

型号	功率	电压	效率	标准	实验方法
YE2-280S-4	75	380	94.0	GB18613-2012	112B法
YE3-280S-4	75	380	95.0	GB18613-2012	112B法
YE4-280S-4	75	380	96.0	GB18613-2012	112B法

(二)75KW时每天平均理论节电分析: (电机每天按24小时不停机运行)

1. YE2-280S-4运行在75KW时每天用电量:

$$T1=75/0.94 \times 24=1914.9\text{度}$$

2. YE3-280S-4运行在75KW时每天用电量:

$$T2=75/0.95 \times 24=1894.7\text{度}$$

3. YE4-280S-4运行在75KW时每天用电量:

$$T3=75/0.96 \times 24=1875\text{度}$$

4. YE3-280S-4比YE2-280S-4每天节电量:

$$T1-T2=1914.9-1894.7=20.2\text{度}$$

5. YE4-280S-4比YE2-280S-4每天节电量:

$$T1-T3=1914.9-1875=39.9\text{度}$$

6. YE4-280S-4比YE3-280S-4每天节电量:

$$T2-T3=1894.7-1875=19.7\text{度}$$

(三)75KW时年平均理论节电分析: (电机每年按350天运行)

YE3-280S-4比YE2-280S-4

$$\text{一年节约电量}=(T1-T2) \times 350=20.2 \times 350=7070\text{度}$$

YE4-280S-4比YE2-280S-4

$$\text{一年节约电量}=(T1-T3) \times 350=39.9 \times 350=13965\text{度}$$

YE4-280S-4比YE3-280S-4

$$\text{一年节约电量}=(T2-T3) \times 350=19.7 \times 350=6895\text{度}$$

注: 以上核算是以该设备一天24小时运行, 一年运行350天为基础来计算

五、技术数据 Technical Table

型号 Type	额定功率	额定电流	转速	YE4 效率	YE3 效率	YE2 效率	功率因数 Power factor cosφ	堵转转矩	堵转电流	最大转矩	最小转矩	噪声 (声功率级) dB(A)		振动速度 mm/s vibration velocity
	Rated Power KW	Rated Current A	Rated Speed r/min	YE4Efficiency %	YE3Efficiency %	YE2Efficiency %		Locked Torque	Locked Current	Maximum Torque	Min Torque	Noise		
								额定转矩 Rated Torque	额定电流 Rated Current	额定转矩 Rated Torque	额定转矩 Rated Torque	空载 No LoadA	空载之差 Difference between no load and on-load	
同步转速3000r/min(2极) synchronous speed 3000r/min (2P)														
YE4-80M1-2	0.75	1.6	2895	83.5	80.7	77.4	0.83	2.3	7.0	2.3	1.5	62	2	1.6
YE4-80M2-2	1.1	2.4	2890	85.2	82.7	79.6	0.83	2.2	7.3	2.3	1.5	62	2	1.6
YE4-90S-2	1.5	3.1	2900	86.5	84.2	81.3	0.84	2.2	7.6	2.3	1.5	67	2	1.6
YE4-90L-2	2.2	4.5	2900	88.0	85.9	83.2	0.85	2.2	7.6	2.3	1.4	67	2	1.6
YE4-100L-2	3	5.9	2895	89.1	87.1	84.6	0.87	2.2	7.8	2.3	1.4	74	2	1.6
YE4-112M-2	4	7.7	2915	90.0	88.1	85.8	0.88	2.2	8.3	2.3	1.4	77	2	1.6
YE4-132S1-2	5.5	10.4	2945	90.9	89.2	87.0	0.88	2.0	8.3	2.3	1.2	79	2	1.6
YE4-132S2-2	7.5	14.1	2940	91.7	90.1	88.1	0.88	2.0	7.9	2.3	1.2	79	2	1.6
YE4-160M1-2	11	20.3	2950	92.6	91.2	89.4	0.89	2.0	8.1	2.3	1.2	81	2	2.2
YE4-160M2-2	15	27.4	2950	93.3	91.9	90.3	0.89	2.0	8.1	2.3	1.2	81	2	2.2
YE4-160L-2	18.5	33.7	2950	93.7	92.4	90.9	0.89	2.0	8.2	2.3	1.1	81	2	2.2
YE4-180M-2	22	40.0	2965	94.0	92.7	91.3	0.89	2.0	8.2	2.3	1.1	83	2	2.2
YE4-200L1-2	30	54.2	2970	94.5	93.3	92.0	0.89	2.0	7.6	2.3	1.1	84	2	2.2
YE4-200L2-2	37	66.6	2975	94.8	93.7	92.5	0.89	2.0	7.6	2.3	1.1	84	2	2.2
YE4-225M-2	45	80.0	2975	95.0	94.0	92.9	0.90	2.0	7.7	2.3	1.0	86	2	2.2
YE4-250M-2	55	97.4	2980	95.3	94.3	93.2	0.90	2.0	7.7	2.3	1.0	89	2	2.2
YE4-280S-2	75	132	2980	95.6	94.7	93.8	0.90	1.8	7.1	2.3	0.9	91	2	2.2
YE4-280M-2	90	159	2980	95.8	95.0	94.1	0.90	1.8	7.1	2.3	0.9	91	2	2.2
YE4-315S-2	110	193	2980	96.0	95.2	94.3	0.90	1.8	7.1	2.3	0.9	92	2	2.8
YE4-315M-2	132	232	2980	96.2	95.4	94.6	0.90	1.8	7.1	2.3	0.9	92	2	2.8
YE4-315L1-2	160	277	2980	96.3	95.6	94.8	0.91	1.8	7.2	2.3	0.9	92	2	2.8
YE2-315L-2	185	325	2975	/	/	94.9	0.91	1.8	7.1	2.2	0.9	92	2	2.8
YE4-315L2-2	200	346	2980	96.5	95.8	95.0	0.91	1.8	7.2	2.2	0.8	92	2	2.8
YE2-355M1-2	220	386	2980	/	/	95.0	0.91	1.6	7.1	2.2	0.8	100	2	2.8
YE4-355M-2	250	433	2985	96.5	95.8	95.0	0.91	1.6	7.2	2.2	0.8	100	2	2.8
YE2-355L1-2	280	492	2980	/	/	95.0	0.91	1.6	7.0	2.2	0.8	100	2	2.8
YE4-355L-2	315	545	2985	96.5	95.8	95.0	0.91	1.6	7.2	2.2	0.8	100	2	2.8
YE4-3551-2	355	614	2990	96.5	95.8	95.0	0.91	1.6	7.2	2.2	0.7	104	2	2.8
YE4-3552-2	375	649	2985	96.5	95.8	95.0	0.91	1.6	7.2	2.2	0.7	104	2	2.8

型号 Type	额定功率	额定电流	转速	YE4 效率	YE3 效率	YE2 效率	功率因数	堵转转矩	堵转电流	最大转矩	最小转矩	噪声 (声功率级) dB(A)		振动速度
	Rated Power	Rated Current	Rated Speed	YE4Efficiency	YE3Efficiency	YE2Efficiency	Power factor	Locked Torque	Locked Current	Maximum Torque	Min Torque	Noise		mm/s
	KW	A	r/min	%	%	%	cosφ	额定转矩 Rated Torque	额定电流 Rated Current	额定转矩 Rated Torque	额定转矩 Rated Torque	空载 No LoadA	空载之差 Difference between no load and on load	vibration velocity
同步转速1500r/min(4极) synchronous speed 1500r/min (4P)														
YE4-80M-4	0.75	1.8	1435	85.7	82.5	79.6	0.75	2.3	6.6	2.3	1.6	56	5	1.6
YE4-90S-4	1.1	2.5	1440	87.2	84.1	81.4	0.76	2.3	6.8	2.3	1.6	59	5	1.6
YE4-90L-4	1.5	3.4	1440	88.2	85.3	82.8	0.77	2.3	7.0	2.3	1.6	59	5	1.6
YE4-100L1-4	2.2	4.6	1455	89.5	86.7	84.3	0.81	2.3	7.6	2.3	1.5	64	5	1.6
YE4-100L2-4	3	6.1	1455	90.4	87.7	85.5	0.82	2.3	7.6	2.3	1.5	64	5	1.6
YE4-112M-4	4	8.1	1460	91.1	88.6	86.6	0.82	2.2	7.8	2.3	1.5	65	5	1.6
YE4-132S-4	5.5	11.0	1475	91.9	89.6	87.7	0.83	2.0	7.9	2.3	1.4	71	5	1.6
YE4-132M-4	7.5	14.6	1470	92.6	90.4	88.7	0.84	2.0	7.5	2.3	1.4	71	5	1.6
YE4-160M-4	11	21.1	1475	93.3	91.4	89.8	0.85	2.2	7.7	2.3	1.4	73	5	2.2
YE4-160L-4	15	28.2	1475	93.9	92.1	90.6	0.86	2.2	7.8	2.3	1.4	73	5	2.2
YE4-180M-4	18.5	34.7	1480	94.2	92.6	91.2	0.86	2.0	7.8	2.3	1.2	76	4	2.2
YE4-180L-4	22	41.1	1480	94.5	93.0	91.6	0.86	2.0	7.8	2.3	1.2	76	4	2.2
YE4-200L-4	30	55.8	1485	94.9	93.6	92.3	0.86	2.0	7.3	2.3	1.2	76	4	2.2
YE4-225S-4	37	68.7	1485	95.2	93.9	92.7	0.86	2.0	7.4	2.3	1.2	78	3	2.2
YE4-225M-4	45	83.3	1485	95.4	94.2	93.1	0.86	2.0	7.4	2.3	1.1	78	3	2.2
YE4-250M-4	55	102	1485	95.7	94.6	93.5	0.88	2.0	7.4	2.3	1.1	79	3	2.2
YE4-280S-4	75	135	1490	96.0	95.0	94.0	0.88	2.2	6.9	2.3	1.0	80	3	2.2
YE4-280M-4	90	162	1490	96.1	95.2	94.2	0.88	2.2	6.9	2.3	1.0	80	3	2.2
YE4-315S-4	110	195	1490	96.3	95.4	94.5	0.89	2.0	7.0	2.2	1.0	88	3	2.8
YE4-315M-4	132	234	1490	96.4	95.6	94.7	0.89	2.0	7.0	2.2	1.0	88	3	2.8
YE4-315L1-4	160	283	1490	96.6	95.8	94.9	0.89	2.0	7.1	2.2	1.0	88	3	2.8
YE2-315L-4	185	329	1485	/	/	95.0	0.90	2.1	6.9	2.2	1.0	88	3	2.8
YE4-315L2-4	200	349	1490	96.7	96.0	95.1	0.90	2.0	7.1	2.2	0.9	88	3	2.8
YE2-355M1-4	220	390	1490	/	/	95.1	0.90	2.0	6.9	2.2	0.9	95	2	2.8
YE4-355M-4	250	436	1490	96.7	96.0	95.1	0.90	2.0	7.1	2.2	0.9	95	2	2.8
YE2-355L2-4	280	499	1490	/	96.0	95.1	0.90	2.0	6.9	2.2	0.9	95	2	2.8
YE4-355L-4	315	550	1490	96.7	96.0	95.1	0.90	2.0	7.1	2.2	0.8	95	2	2.8
YE4-355L1-4	355	634	1490	96.7	96.0	95.1	0.88	1.7	7.0	2.2	0.8	102	2	2.8
YE4-355L2-4	375	670	1490	96.7	96.0	95.1	0.88	1.7	7.0	2.2	0.8	102	2	2.8

型号 Type	额定功率	额定电流	转速	YE4 效率	YE3 效率	YE2 效率	功率因数	堵转转矩	堵转电流	最大转矩	最小转矩	噪声 (声功率级) dB(A)		振动速度
	Rated Power KW	Rated Current A	Rated Speed r/min	YE4Efficiency %	YE3Efficiency %	YE2Efficiency %	Power factor cosφ	Locked Torque	Locked Current	Maximum Torque	Min Torque	Noise		mm/s
								额定转矩 Rated Torque	额定电流 Rated Current	额定转矩 Rated Torque	额定转矩 Rated Torque	空载 No LoadA	空载之差 Difference between no load and on-load	vibration velocity
同步转速1000r/min(6极) synchronous speed 1000r/min (6P)														
YE4-90S-6	0.75	1.9	960	82.7	78.9	75.9	0.71	2.0	6.0	2.1	1.5	57	7	1.6
YE4-90L-6	1.1	2.7	955	84.5	81.0	78.1	0.73	2.0	6.0	2.1	1.3	57	7	1.6
YE4-100L-6	1.5	3.6	955	85.9	82.5	79.8	0.73	2.0	6.5	2.1	1.3	61	7	1.6
YE4-112M-6	2.2	5.2	970	87.4	84.3	81.8	0.74	2.0	6.6	2.1	1.3	65	7	1.6
YE4-132S-6	3	7.0	975	88.6	85.6	83.3	0.74	2.0	6.8	2.1	1.3	69	7	1.6
YE4-132M1-6	4	9.2	975	89.5	86.8	84.6	0.74	2.0	6.8	2.1	1.3	69	7	1.6
YE4-132M2-6	5.5	12.3	975	90.5	88.0	86.0	0.75	2.0	6.8	2.1	1.3	69	7	1.6
YE4-160M-6	7.5	15.8	980	91.3	89.1	87.2	0.79	2.0	7.0	2.1	1.3	73	7	2.2
YE4-160L-6	11	22.6	980	92.3	90.3	88.7	0.80	2.0	7.2	2.1	1.2	73	7	2.2
YE4-180L-6	15	30.3	985	92.9	91.2	89.7	0.81	2.0	7.3	2.1	1.2	73	6	2.2
YE4-200L1-6	18.5	37.2	985	93.4	91.7	90.4	0.81	2.0	7.3	2.1	1.2	73	6	2.2
YE4-200L2-6	22	44.0	985	93.7	92.2	90.9	0.81	2.0	7.4	2.1	1.2	73	6	2.2
YE4-225M-6	30	58.3	990	94.2	92.9	91.7	0.83	2.0	6.9	2.1	1.2	74	6	2.2
YE4-250M-6	37	70.8	990	94.5	93.3	92.2	0.84	2.0	7.1	2.1	1.2	76	6	2.2
YE4-280S-6	45	84.8	990	94.8	93.7	92.7	0.85	2.0	7.3	2.1	1.1	78	5	2.2
YE4-280M-6	55	102	990	95.1	94.1	93.1	0.86	2.0	7.3	2.1	1.1	78	5	2.2
YE4-315S-6	75	142	990	95.4	94.6	93.7	0.84	2.0	6.6	2.1	1.0	83	5	2.8
YE4-315M-6	90	168	990	95.6	94.9	94.0	0.85	2.0	6.7	2.0	1.0	83	5	2.8
YE4-315L1-6	110	206	990	95.8	95.1	94.3	0.85	2.0	6.7	2.0	1.0	83	5	2.8
YE4-315L2-6	132	243	990	96.0	95.4	94.6	0.86	2.0	6.8	2.0	1.0	83	4	2.8
YE4-355M1-6	160	294	990	96.2	95.6	94.8	0.86	1.8	6.8	2.0	1.0	85	4	2.8
YE2-355M-6	185	344	990	/	/	94.9	0.86	2.0	6.8	2.0	1.0	85	4	2.8
YE4-355M2-6	200	363	990	96.3	95.8	95.0	0.87	1.8	6.8	2.0	0.9	85	4	2.8
YE2-355L1-6	220	409	990	/	/	95.0	0.86	2.0	6.8	2.0	0.9	85	4	2.8
YE4-355L-6	250	452	995	96.5	95.8	95.0	0.87	1.8	6.8	2.0	0.9	85	4	2.8
YE2-355I-6	280	421	990	/	/	95.0	0.86	2.0	6.8	2.0	0.8	91	4	2.8
YE4-3552-6	315	576	990	96.6	95.8	95.0	0.86	1.8	6.8	2.0	0.8	85	4	2.8

六、订货须知

(1)订货时请注明电动机型号、功率、转速、电压、频率、安装型式、接线盒位置、海拔高度、环境温度、传动形式(是联轴器, 还是皮带轮)。

(2)对于315kW, 2极电机及以上还须注明电机的旋转方向。常规电机由轴伸端视之, 为顺时针旋转。

(3)如用户有特殊要求, 经双方协议确定。还可供应其它特殊规格电动机:

- a)特殊频率和电压, 如 60Hz, 415V, 220/380V等。
 - b)双轴伸和其它特殊轴伸尺寸。
 - c)增加测温装置。在绕组中增加热敏电阻PTC或Pt100测温元件热电阻。前、后轴承可增加。
 - d)绕组增加防潮加热带。
 - e)湿热带型 (TH)、户外、化工防腐蚀型。
 - f)H级绝缘。
- (4)本样本仅供用户参考, 如有更改恕不另行通知。

七、安装及外形尺寸

- 5.1 B3 (机座号80~355)、B6、B7、B8、V5、V6 (机座号80~160) 见表2;
- 5.2 B35 (机座号80~355)、V15、V36 (机座号80~160) 见表3;
- 5.3 B5 (机座号80~280)、V1、V3 (机座号80~160) 见表4;
- 5.4 V1 (机座号180~355) 见表5;
- 5.5 B34 (机座号80~112) 见表6;
- 5.6 B14 (机座号80~112)、V18、V19 (机座号80~112) 见表7。

Ordering Instructions

When ordering, please note motor type, power, speed, voltage, frequency, mounting type, terminal box location (top or right), altitude, ambient temperature, driving type (belt driving or cupule driving)

For 2P motor with 315 power of 315KW, motor's rotation must be notified clearly. The rotation of ordinary motor is CW seeing from DE side.

In case of any particular requirements from customer, we can tailor the motor according to the requirements of the customer after communication:

Special frequency and voltage, such as 60HZ, 415V, 220/380V

Double shaft-extensions and other special dimension on shaft extension.

Add thermostats. Add PTC or PT100 thermal resistor in winding and bearings.

Add heat belt or space heater in winding.

Humid tropics (TH), out-door, chemical corrosion protection type.

H insulation

This catalogue is for reference only; we will not inform you in case of any specification change.

Mounting and overall dimensions:

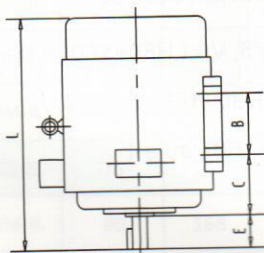
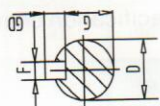
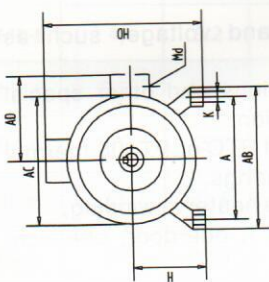
- B3 (H80-355), B6, B7, B8, V5, V6 (H80-160) table 2.
- B35 (H80-355), V15, V36 (H80-160) table 3
- B5 (H80-280), V1, V3 (H80-160) table 4
- V1 (H180-355) table 5
- B34 (H80-112) table 6
- B14 (H80-112), V18, V19 (H80-112) table 7)

安装外形及尺寸:

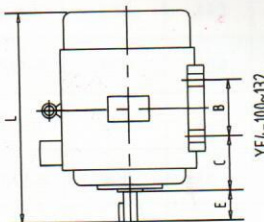
B3(机座号80-335)B6、B7、B8、V5、V6(机座号80-160)机座带底角、端盖无凸缘。

Overall dimensions:

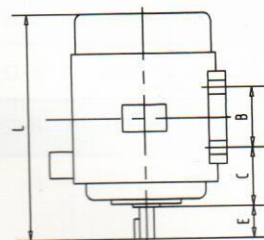
B3(H 80-335) B6, B7, B8, V5, V6(H80-160) with feet and the end-shield without flange.



YE4-160-355



YE4-100-132



YE4-80-90

表2 table2

机座号	尺寸mm																	Md				
	H	A	B	C	D		E		F		G		GD		K	AB	AC		AD	HD	L	
					2p	4~6p	2p	4~6p	2p	4~6p	2p	4~6p	2p	4~6p							2p	4~6p
80M	80 _{0.5}	125	100	50		19 ^{+0.003} _{-0.004}		40		6		15.5		6	10	165	175	145	220		305	2×M24×1.5
90S	90 _{0.5}	140	100	56		24 ^{+0.004} _{-0.004}		50		8		20		7	10	180	195	165	250		360	2×M24×1.5
90L	90 _{0.5}	140	125	56		24 ^{+0.004} _{-0.004}		50		8		20		7	10	180	195	165	250		390	2×M24×1.5
100L	100 _{0.5}	160	140	63		28 ^{+0.009} _{-0.004}		60		8		24		7	12	205	215	180	270		435	2×M24×1.5
112M	112 _{0.5}	190	140	70		28 ^{+0.004} _{-0.004}		60		8		24		7	12	230	240	195	300		470	2×M30×2
132S	132 _{0.5}	216	140	89		38 ^{+0.008} _{-0.008}		80		10		33		8	12	270	300	225	350		510	2×M30×2
132M	132 _{0.5}	216	178	89		38 ^{+0.008} _{-0.008}		80		10		33		8	12	270	300	225	350		560	2×M30×2
160M	160 _{0.5}	254	210	108		42 ^{+0.008} _{-0.008}		110		12		37		8	14.5	320	340	260	420		680	2×M36×2
160L	160 _{0.5}	254	254	108		42 ^{+0.008} _{-0.008}		110		12		37		8	14.5	320	340	260	420		720	2×M36×2
180M	180 _{0.5}	279	241	121		48 ^{+0.008} _{-0.008}		110		14		42.5		9	14.5	355	380	280	455		740	2×M36×2
180L	180 _{0.5}	279	279	121		48 ^{+0.008} _{-0.008}		110		14		42.5		9	14.5	355	380	280	455		790	2×M36×2
200L	200 _{0.5}	318	305	133		55 ^{+0.030} _{-0.030}		110		16		49		10	18.5	395	420	325	525		870	2×M48×2
225S	225 _{0.5}	356	286	149		60 ^{+0.030} _{-0.030}		140		18		53		11	18.5	435	470	345	570		880	2×M48×2
225M	225 _{0.5}	356	311	149		55 ^{+0.030} _{-0.030}		110	140	16	18	49	53	10	11	435	470	345	570		885	2×M48×2
250M	250 _{0.5}	406	349	168		60 ^{+0.030} _{-0.030}		140		18		53	58	11	24	490	535	405	655		985	2×M64×2
280S	280 _{0.5}	457	368	190		65 ^{+0.030} _{-0.030}		140		18	20	58	67.5	11	24	550	590	415	700		995	2×M64×2
280M	280 _{0.5}	457	419	190		65 ^{+0.030} _{-0.030}		140		18	20	58	67.5	11	24	550	590	415	700		1035	2×M64×2
315S	315 _{0.5}	508	406	216		65 ^{+0.030} _{-0.030}		140	170	18	22	58	71	11	28	635	645	530	845		1200	2×M64×2
315M	315 _{0.5}	508	457	216		65 ^{+0.030} _{-0.030}		140	170	18	22	58	71	11	28	635	645	530	845		1310	2×M64×2
315L	315 _{0.5}	508	508	216		65 ^{+0.030} _{-0.030}		140	170	18	22	58	71	11	28	635	645	530	845		1340	2×M64×2
335M	355 _{0.5}	610	560	254		75 ^{+0.030} _{-0.030}		140	170	20	25	67.5	86	12	28	730	710	655	1010		1505	2×M72×2
355L	355 _{0.5}	610	630	254		75 ^{+0.030} _{-0.030}		140	170	20	25	67.5	86	12	28	730	710	655	1010		1545	2×M72×2
355S	355 _{0.5}	630	800	224		80 ^{+0.030} _{-0.030}		170	210	22	28	71	100	14	35	760	770	760	1130		1900	3×M72×2

注: 1) 机座号80-90无吊环螺钉; 2) Md为接线盒进线口螺纹直径。

Remarks: 1. No lifting screw bolt for frame H80-90; 2. Md is the diameter of lead-in screw thread on terminal box.

安装外形及尺寸:

B35(机座号80-335)V15、V36(机座号80-160)机座带底角、端盖无凸缘(带通孔)。

Overall dimensions:

B35 (frame number H80-335)V15, V36(frame number H80-160) with feet, and end-shield without flange(With trough hole).

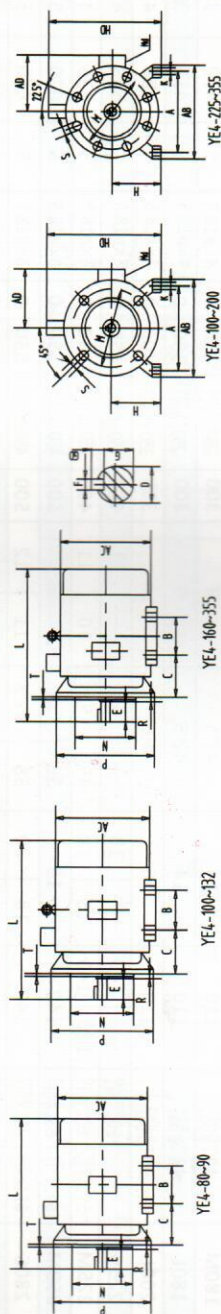


表3 table3

机座号	尺寸MM														Md														
	H	A	B	C	D		E		F		G		GD			M	N	P	R	S	T	K	AB	AC	AD	HD	L		
					2p	4~6p		2p	4~6p		2p	4~6p		2p	4~6p											2p	4~6p		
80M	80 _{0.5}	125	100	50	19 ^{+0.009} _{-0.004}	40	6	15.5						6		165	130 ^{+0.014} _{-0.011}	200	0	4×ø12	3.5	10	165	175	145	220	305	2×M24×1.5	
90S	90 _{0.5}	140	100	56	24 ^{+0.009} _{-0.004}	50	8	20						7		165	130 ^{+0.014} _{-0.011}	200	0	4×ø12	3.5	10	180	195	165	250	360	2×M24×1.5	
90L	90 _{0.5}	140	125	56	24 ^{+0.009} _{-0.004}	50	8	20						7		165	130 ^{+0.014} _{-0.011}	200	0	4×ø12	3.5	10	180	195	165	250	390	2×M24×1.5	
100L	100 _{0.5}	160	140	63	28 ^{+0.009} _{-0.004}	60	8	24						7		215	180 ^{+0.014} _{-0.011}	250	0	4×ø14.5	4	12	205	215	180	270	435	2×M24×1.5	
112M	112 _{0.5}	190	140	70	28 ^{+0.009} _{-0.004}	60	8	24						7		215	180 ^{+0.014} _{-0.011}	250	0	4×ø14.5	4	12	230	240	195	300	470	2×M30×2	
132S	132 _{0.5}	216	140	89	38 ^{+0.018} _{-0.002}	80	10	33						8		265	230 ^{+0.019} _{-0.016}	300	0	4×ø14.5	4	12	270	300	225	350	510	2×M30×2	
132M	132 _{0.5}	216	178	89	38 ^{+0.018} _{-0.002}	80	10	33						8		265	230 ^{+0.019} _{-0.016}	300	0	4×ø14.5	4	12	270	300	225	350	560	2×M30×2	
160M	160 _{0.5}	254	210	108	42 ^{+0.018} _{-0.002}	110	12	37						8		300	250 ^{+0.019} _{-0.016}	350	0	4×ø18.5	5	14.5	320	340	260	420	680	2×M36×2	
160L	160 _{0.5}	254	254	108	42 ^{+0.018} _{-0.002}	110	12	37						8		300	250 ^{+0.019} _{-0.016}	350	0	4×ø18.5	5	14.5	320	340	260	420	720	2×M36×2	
180M	180 _{0.5}	279	241	121	48 ^{+0.018} _{-0.002}	110	14	42.5						9		300	250 ^{+0.019} _{-0.016}	350	0	4×ø18.5	5	14.5	355	380	280	455	740	2×M36×2	
180L	180 _{0.5}	279	279	121	48 ^{+0.018} _{-0.002}	110	14	42.5						9		300	250 ^{+0.019} _{-0.016}	350	0	4×ø18.5	5	14.5	355	380	280	455	790	2×M36×2	
200L	200 _{0.5}	318	305	133	55 ^{+0.030} _{-0.011}	110	16	49						10		350	350 ^{+0.016} _{-0.013}	400	0	4×ø18.5	5	18.5	395	420	325	525	870	2×M48×2	
225S	225 _{0.5}	356	286	149	60 ^{+0.030} _{-0.011}	140	18	53	—	18	—	53	—	11	—	400	350 ^{+0.018} _{-0.015}	450	0	8×ø18.5	5	18.5	435	470	345	570	—	880	2×M48×2
225M	225 _{0.5}	356	311	149	55 ^{+0.030} _{-0.011}	140	16	49	18	18	18	53	10	11	11	400	350 ^{+0.018} _{-0.015}	450	0	8×ø18.5	5	18.5	435	470	345	570	885	915	2×M48×2
250M	250 _{0.5}	406	349	168	60 ^{+0.030} _{-0.011}	140	18	53	18	18	18	58	11	11	11	500	450 ^{+0.020} _{-0.017}	550	0	8×ø18.5	5	24	490	535	405	655	985	—	2×M64×2
280S	280 _{0.5}	457	368	190	65 ^{+0.030} _{-0.011}	140	18	58	20	20	20	67.5	11	12	12	500	450 ^{+0.020} _{-0.017}	550	0	8×ø18.5	5	24	550	590	415	700	995	—	2×M64×2
280M	280 _{0.5}	457	419	190	65 ^{+0.030} _{-0.011}	140	18	58	20	20	20	67.5	11	12	12	500	450 ^{+0.020} _{-0.017}	550	0	8×ø18.5	5	24	550	590	415	700	1035	—	2×M64×2
315S	315 _{0.5}	508	406	216	65 ^{+0.030} _{-0.011}	140	18	58	22	22	22	71	11	14	14	600	550 ^{+0.022} _{-0.019}	660	0	8×ø24	6	28	635	645	530	845	1200	1290	2×M64×2
315M	315 _{0.5}	508	457	216	65 ^{+0.030} _{-0.011}	140	18	58	22	22	22	71	11	14	14	600	550 ^{+0.022} _{-0.019}	660	0	8×ø24	6	28	635	645	530	845	1310	1340	2×M64×2
315L	315 _{0.5}	508	508	216	65 ^{+0.030} _{-0.011}	140	18	58	22	22	22	71	11	14	14	600	550 ^{+0.022} _{-0.019}	660	0	8×ø24	6	28	635	645	530	845	1310	1340	2×M64×2
335M	355 _{0.5}	610	560	254	75 ^{+0.030} _{-0.013}	140	20	67.5	25	25	25	86	12	14	14	740	680 ^{+0.025} _{-0.022}	800	0	8×ø24	6	28	730	710	655	1010	1505	1545	2×M72×2
355L	355 _{0.5}	610	630	254	75 ^{+0.030} _{-0.013}	140	20	67.5	25	25	25	86	12	14	14	740	680 ^{+0.025} _{-0.022}	800	0	8×ø24	6	28	730	710	655	1010	1505	1545	2×M72×2
355L	355 _{0.5}	630	800	224	80 ^{+0.030} _{-0.013}	170	210	22	28	71	100	14	16	16	16	840	780 ^{+0.025} _{-0.022}	900	0	8×ø24	6	35	760	770	760	1130	1900	1920	3×M72×2

注: 1) 机座号80-90无吊环螺钉; 2) Md为接线盒进线口螺纹直径。3) R为凸缘配合面与轴肩距离。

Remarks: 1.No lifting screw bolt for frame H80-90; 2.Md is the diameter of lead-in screw thread on terminal box.

3.R is the distance between flangematching surface and shaft shoulder.

安装外形及尺寸:

B5(机座号80-280V)1、V3(机座号80-160)机座不带底角、端盖无凸缘(带通孔)。

Overall dimensions:

B5 (H 80-280) V1, V3 (H80-160) without feet, and the end-shield. with flange(with through hole).

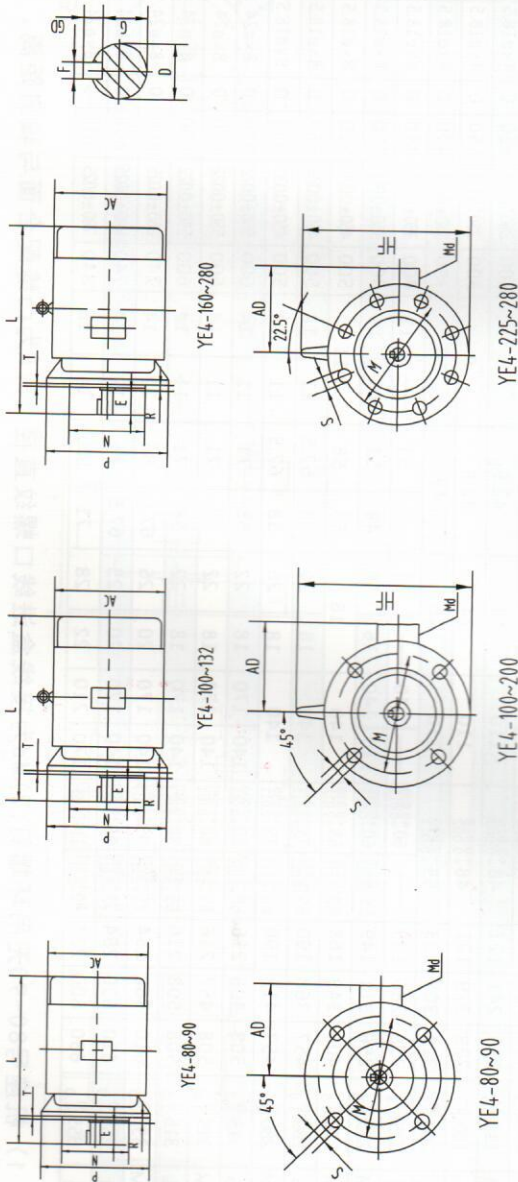


表4 table4

机座号	尺寸MM																					
	D		E		F		G		GD		M	N	P	R	S	T	HF	AC	AD	L		Md
	2p	4~6p	2p	4~6p	2p	4~6p	2p	4~6p	2p	4~6p										2p	4~6p	
80M	19 ^{+0.009} _{-0.004}	40	40	6	6	15.5	6	165	130 ^{+0.014} _{-0.011}	200	0	4×ø12	3.5	—	175	145	305	2×M24×1.5				
90S	24 ^{+0.009} _{-0.004}	50	50	8	8	20	7	165	130 ^{+0.014} _{-0.011}	200	0	4×ø12	3.5	—	195	155	360	2×M24×1.5				
90L	24 ^{+0.009} _{-0.004}	50	50	8	8	20	7	165	130 ^{+0.014} _{-0.011}	200	0	4×ø12	3.5	—	195	155	390	2×M24×1.5				
100L	28 ^{+0.009} _{-0.004}	60	60	8	8	24	7	215	180 ^{+0.014} _{-0.011}	250	0	4×ø14.5	4	245	215	180	435	2×M24×1.5				
112M	28 ^{+0.009} _{-0.004}	60	60	8	8	24	7	215	180 ^{+0.014} _{-0.011}	250	0	4×ø14.5	4	265	240	195	470	2×M30×2				
132S	38 ^{+0.018} _{-0.008}	80	80	10	10	33	8	265	230 ^{+0.016} _{-0.013}	300	0	4×ø14.5	4	315	300	225	510	2×M30×2				
132M	38 ^{+0.018} _{-0.008}	80	80	10	10	33	8	265	230 ^{+0.016} _{-0.013}	300	0	4×ø14.5	4	315	300	225	560	2×M30×2				
160M	42 ^{+0.018} _{-0.008}	110	110	12	12	37	8	300	250 ^{+0.016} _{-0.013}	350	0	4×ø18.5	5	385	340	260	680	2×M36×2				
160L	42 ^{+0.018} _{-0.008}	110	110	12	12	37	8	300	250 ^{+0.016} _{-0.013}	350	0	4×ø18.5	5	385	340	260	720	2×M36×2				
180M	48 ^{+0.018} _{-0.008}	110	110	14	14	42.5	9	300	250 ^{+0.016} _{-0.013}	350	0	4×ø18.5	5	430	380	280	740	2×M36×2				
180L	48 ^{+0.018} _{-0.008}	110	110	14	14	42.5	9	300	250 ^{+0.016} _{-0.013}	350	0	4×ø18.5	5	430	380	280	790	2×M36×2				
200L	55 ^{+0.030} _{-0.011}	110	110	16	16	49	10	350	350 ^{+0.016} _{-0.013}	400	0	4×ø18.5	5	480	420	325	870	2×M48×2				
225S	60 ^{+0.030} _{-0.011}	140	140	18	18	53	11	400	350 ^{+0.016} _{-0.013}	450	0	8×ø18.5	5	535	470	345	880	2×M48×2				
225M	55 ^{+0.030} _{-0.011}	110	140	16	18	49	53	400	350 ^{+0.016} _{-0.013}	450	0	8×ø18.5	5	535	470	345	885	915	2×M48×2			
250M	60 ^{+0.030} _{-0.011}	140	140	18	18	58	11	500	450 ^{+0.020} _{-0.016}	550	0	8×ø18.5	5	620	535	405	985	2×M64×2				
280S	65 ^{+0.030} _{-0.011}	140	140	18	20	58	11	500	450 ^{+0.020} _{-0.016}	550	0	8×ø18.5	5	660	590	415	995	2×M64×2				
280M	65 ^{+0.030} _{-0.011}	140	140	18	20	58	11	500	450 ^{+0.020} _{-0.016}	550	0	8×ø18.5	5	660	590	415	1035	2×M64×2				

注: 1) 机座号80-90无吊环螺钉; 2) Md为接线盒进线口螺纹直径; 3) R为凸缘配合面与轴肩距离。

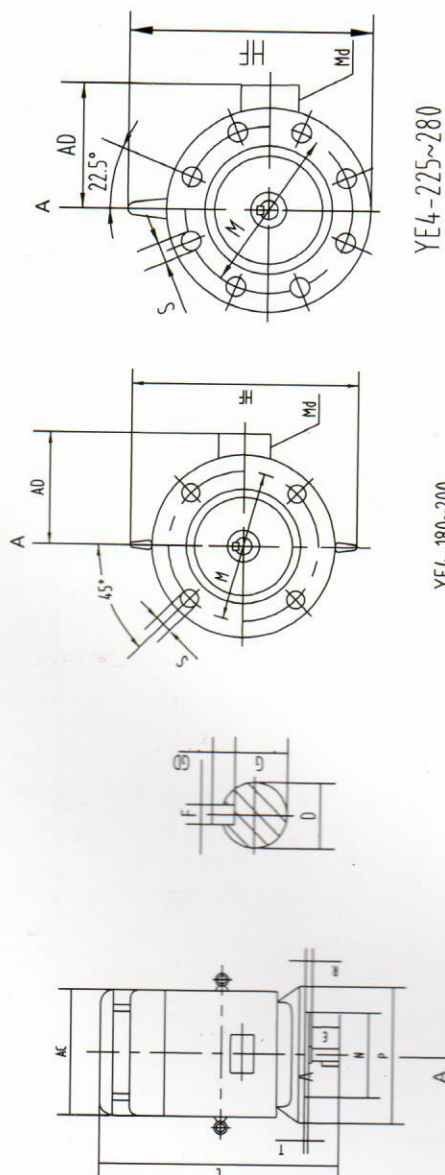
Remarks: 1. No lifting screw bolt for frame H80-90; 2. Md is the diameter of lead-in screw thread on terminal box. 3. R is the distance between flangematching surface and shaft shoulder.

安装外形及尺寸:

V1(机座号180-335)机座带底角、端盖上有凸缘(带通孔)、轴伸向下。

Overall dimensions:

V1(H180-335)without feet, and end-shield with flange, shaft extension downward.



YE4-225~280

YE4-180~200

表5 table5

机座号	尺寸MM														
	D	E	F	G	GD	M	N	P	R	S	T	HF	AC	AD	L
180M	2p 48 ^{+0.011} _{-0.011}	2p 110	2p 14	2p 42.5	2p 9	300	250 ^{+0.016} _{-0.016}	350	0	4×ø18.5	5	500	380	280	760
180L	2p 48 ^{+0.011} _{-0.011}	2p 110	2p 14	2p 42.5	2p 9	300	250 ^{+0.016} _{-0.016}	350	0	4×ø18.5	5	500	380	280	800
200L	2p 55 ^{+0.011} _{-0.011}	2p 110	2p 16	2p 49	2p 10	350	300 ^{+0.016} _{-0.016}	400	0	4×ø18.5	5	550	420	325	920
225S	2p 60 ^{+0.011} _{-0.011}	2p 140	2p 18	2p 53	2p 11	400	350 ^{+0.018} _{-0.018}	450	0	8×ø18.5	5	610	470	345	960
225M	2p 60 ^{+0.011} _{-0.011}	2p 140	2p 18	2p 53	2p 11	400	350 ^{+0.018} _{-0.018}	450	0	8×ø18.5	5	610	470	345	995
250M	2p 65 ^{+0.011} _{-0.011}	2p 140	2p 18	2p 58	2p 11	500	450 ^{+0.020} _{-0.020}	550	0	8×ø18.5	5	650	535	405	1085
280S	2p 65 ^{+0.011} _{-0.011}	2p 140	2p 20	2p 58	2p 12	500	450 ^{+0.020} _{-0.020}	550	0	8×ø18.5	5	730	590	415	1120
280M	2p 65 ^{+0.011} _{-0.011}	2p 140	2p 20	2p 58	2p 12	500	450 ^{+0.020} _{-0.020}	550	0	8×ø18.5	5	730	590	415	1150
315S	2p 80 ^{+0.011} _{-0.011}	2p 170	2p 22	2p 58	2p 14	600	550 ^{+0.022} _{-0.022}	660	0	8×ø24	6	900	645	530	1300
315M	2p 80 ^{+0.011} _{-0.011}	2p 170	2p 22	2p 58	2p 14	600	550 ^{+0.022} _{-0.022}	660	0	8×ø24	6	900	645	530	1410
315L	2p 80 ^{+0.011} _{-0.011}	2p 170	2p 22	2p 58	2p 14	600	550 ^{+0.022} _{-0.022}	660	0	8×ø24	6	900	645	530	1410
335M	2p 95 ^{+0.011} _{-0.011}	2p 170	2p 25	2p 86	2p 12	740	680 ^{+0.025} _{-0.025}	800	0	8×ø24	6	1010	710	655	1645
355L	2p 95 ^{+0.011} _{-0.011}	2p 170	2p 25	2p 86	2p 12	740	680 ^{+0.025} _{-0.025}	800	0	8×ø24	6	1010	710	655	1685
355S	2p 80 ^{+0.011} _{-0.011}	2p 170	2p 22	2p 71	2p 14	840	780 ^{+0.025} _{-0.025}	900	0	8×ø24	6	1220	900	700	1870
355L	2p 80 ^{+0.011} _{-0.011}	2p 170	2p 22	2p 71	2p 14	840	780 ^{+0.025} _{-0.025}	900	0	8×ø24	6	1220	900	700	1920

注: 1) Md为接线盒进线口螺纹直径; 2) R为凸缘配合面与轴肩距离。

Remarks: 1. Md is the diameter of lead-in screw thread on terminal box. 2. R is the distance between flange matching surface and shaft shoulder.

西安泰富西玛电机系列产品

序号	型号	中心高	额定电压	冷却方式
1	YX、YXKS、YXKK高效率高压异步电动机	400~1000mm	6kV、10kV	IC01、IC81W、IC611
2	YE2系列(IP55)高效率三相异步电动机	80~355mm	380V	IC411
3	YE3系列(IP55)超高效率三相异步电动机	80~355mm	380V	IC411
4	T、TK、TDMK系列大型交流三相同步电动机	定子外圆 990~3250mm	380V、6kV、10kV	IC01
5	KX系列(IP23)压缩机专用高效率三相异步电动机	160~355mm	380V	IC01
6	YKK系列高压电动机	355~1000mm	3、6、10kV	IC611
7	YKS、YRKS空-水冷式三相异步电动机	355~1000mm	6kV、10kV	IC81W
8	YRKK系列高压绕线转子电动机	355~1000mm	3、6、10kV	IC611
9	Y系列高压电动机	355~1000mm	3、6、10kV	IC01
10	YR系列高压绕线转子电机	355~1000mm	3、6、10kV	IC01
11	YTM系列磨机专用电机	355~1000mm	3、6、10kV	IC611 IC01
12	Y2系列紧凑型高压三相异步电动机(YJS)	355~560mm	6、10kV	IC411
13	Y、YR大型卧式三相异步电动机	1180~2150mm	6kV、10kV	IC01、IC611
14	YGM系列(IP44)三相异步电动机	80~400mm	380V, 也可按用户要求制作	IC411
15	Y系列(IP23)三相异步电动机	280~500mm	380V	IC01
16	YR系列(IP44)绕线转子电动机	280~400mm	380V	IC411
17	YR系列(IP23)绕线转子电动机	280~355mm	380V	IC01
18	YGM2系列三相异步电动机	80~355mm	220、230、380、420、440、660V	IC411
19	YJTG/YVF2系列三相交流变频电动机	80~355mm	380V	IC416
20	YD系列变极多速三相电动机	80~280mm	380V	IC411
21	JS、JR系列三相异步电动机	机座号11~15	380V 3、6kV	IC01
22	YLY粮机专用三相异步电动机	200~280mm	380V	IC411
23	NEMA标准高效率三相电动机	143T~447T	230V、460V	IC411
24	Z4系列(IP21S)直流电动机	100~450mm	160、400、440V	IC06
25	Z2系列(IP23)直流电动机	机座1~11#	110、220、230V	IC01、IC06
26	ZTP系列直流铁路机车电动机	62/82/180	24~260V	IC01
27	Z系列中型直流电动机	355~710mm	220、330、440、550、660V	IC06、IC07、IC37等
28	ZDT2系列制糖压榨专用直流电动机	315~560mm	440V、520V	IC06、IC17、IC37
29	ZSN4系列水泥回转窑专用直流电动机	225~355mm	400、440V	IC17、IC37
30	ZSL4系列直流电动机	100~160mm	440V	IC01
31	ZBL4系列直流电动机	100~180mm	440V	IC01
32	YB2系列高压隔爆型三相异步电动机	450~560mm	10kV	IC411
33	YCS系列10kV大功率三相异步电动机	1000~1120mm	10kV	IC81W
34	YTP系列交流铁路机车电动机	90/112/160	240~480V	IC01

※ 本资料仅供用户选型时参考, 不做其他用途。具体数据如有疑问, 请来电来函详细咨询。

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