



YE5

YE5系列超高效率三相异步电动机 PREMIUM EFFICIENCY THREE-PHASE ASYNCHRONOUS MOTOR

YE5系列超高效率三相异步电动机符合 GB 18613-2020《中小型三相异步电动机能效限定值及能效等级》中规定二级效率标准。同时，符合 IEC60034-30-2008标准的IE4能效等级。

其提高效率设计，符合国家对生产制造行业提出节能降耗的要求。

YE5系列电机的安装尺寸符合IEC60034标准。具有结构合理，外形美观，效率高，噪音低，防护等级、绝缘等级高等优点，可广泛应用于风机、水泵、机床、压缩机运输机械等驱动各种通用机械设备，也可在石油、化工、钢铁、矿山等其它环境比较恶劣的场所使用。

The YE5 series premium efficiency three-phase asynchronous motor is inline with IE3 efficiency standard in the provisions of IEC60034-30-2008. And the improvement of the efficiency in its design is in line with the state's requirements on the energy saving and consumption reducing of the manufacturing sector.

YE5 series premium efficiency three-phase asynchronous motor with the mounting dimension in accordance with standard IEC60034, It has good features like optimum structure, attractive appearance, low noise, high efficiency, high protection class as well as high insulation class. YE4 series premium efficiency three-phase asynchronous motor can be widely used in various kinds of general use machineries like fans, pumps, machine tools, compressors, transportation and so on, and can also be used in the hazardous areas with oil and chemical, steel plants, mining industry.

详细说明 Details

现场条件 Site condition

YE4系列超高效率三相异步电动机适用于于大多数的场合及环境。电动机标准工作条件为-20℃到+40℃，海拔1000米。
YE4 series ultra-high efficiency three-phase induction motors are suitable for most situations and environments. The standard operating conditions of the motor range from -20 °C to + 40 °C with an altitude of 1000 meters.

温升和绝缘 Temperature rise and insulation

电动机按F级绝缘设计(155℃)，按B级绝缘考核(80K)，电动机的使用寿命和可靠性得到保证。
The motor is designed according to Class F insulation (155 °C) and tested according to Class B insulation (80K). The service life and reliability of the motor are guaranteed.

冷却和通风 Cooling and ventilation

标准冷却方式为全封闭自扇冷 (TEFC)。标准电机装有辅助流式塑料风扇。符合IEC 60034-6中IC411的规定。
The Standard cooling mode is totally enclosed self-fan cooling (TEFC). Standard Motors are equipped with an auxiliary flow plastic fan. Comply with IC411 in IEC 60034-6.

防护等级 Protection level

电动机的防护等级为IP55，可用于含尘或潮湿环境。也可根据客户要求提供更高防护等级的电动机。
The protection grade of the motor is IP55 and can be used in dusty or wet environment. Higher Protection Grade Motors are also available upon request.

电机保护 Motor protection

可根据要求安装PTC、PT100等绕组和轴承测温及保护装置。
PTC, PT100 and other windings and bearings can be installed according to the requirements of temperature and protection devices.

电压、频率 Voltage, frequency

标准电机为380V/50HZ。可设计200~660V范围内任意电压的50Hz的电动机。在供电电压偏离额定电压±5%的情况下，仍能良好运行。
The Standard Motor is 380V/50HZ. Can Be designed in the range of 200~660V arbitrary voltage 50Hz motor. When the supply voltage deviates from the rated voltage by ± 5%, it can still run well.

振动 Vibration

YE4系列超高效率三相异步电动机在空载时振动速度等级符合A级。特殊要求时，可提供B级电动机。
YE4 series ultra-high efficiency three-phase induction motors in no-load Vibration Speed Class A. Class B motors are available upon special request.

接线盒位置 Junction box location

接线盒在机座上方或右侧为标准YE4系列电机。
The junction box is a standard YE4 series motor above or to the right of the frame.

质量保证 Quality Assurance

从产品设计到产品出厂，遵循ISO9001质量管理体系，严格遵守质量程序。
From the product design to the product factory, in accordance with the ISO9001 quality certification system, strict compliance with quality procedures.

性能数据 Performance Data

Rated Voltage: 380V FUNDAMENTAL FREQUENCY: 50HZ
额定电压：380V 基频：50HZ

型号 motor type	功率 KW	额定 电流 A	转速 r/min	效率 Eff.%	功率 因数 P.F	额定 转矩 N.m	堵转转矩 额定转矩 $\frac{T_{st}}{T_N}$	堵转电流 额定电流 $\frac{I_{st}}{I_N}$	最大转矩 额定转矩 $\frac{T_{max}}{T_N}$	重量 Kg
同步转速 3000 r/min										
YE5-80M1-2	0.75	1.7	2870	86.3	0.82	2.50	2.2	7.0	2.3	--
YE5-80M2-2	1.1	2.4	2875	87.8	0.83	3.65	2.2	7.3	2.3	--
YE5-90S-2	1.5	3.2	2880	88.9	0.84	4.97	2.2	7.6	2.3	--
YE5-90L-2	2.2	4.6	2880	90.2	0.85	7.30	2.2	7.6	2.3	--
YE5-100L-2	3	6.0	2880	91.1	0.87	9.95	2.2	7.8	2.3	--
YE5-112M-2	4	7.8	2915	91.8	0.88	13.1	2.2	8.3	2.3	--
YE5-132S1-2	5.5	10.6	2935	92.6	0.88	17.9	2.0	8.3	2.3	--
YE5-132S2-2	7.5	14.4	2930	93.3	0.88	24.4	2.0	7.9	2.3	--
YE5-160M1-2	11	20.6	2950	94.0	0.89	35.6	2.0	8.1	2.3	--
YE5-160M2-2	15	27.9	2945	94.5	0.89	48.6	2.0	8.1	2.3	--
YE5-160L-2	18.5	34.2	2945	94.9	0.89	60.0	2.0	8.2	2.3	--
YE5-180M-2	22	40.5	2950	95.1	0.89	71.2	2.0	8.2	2.3	--
YE5-200L1-2	30	54.9	2965	95.5	0.89	96.6	2.0	7.6	2.3	--
YE5-200L2-2	37	67.4	2965	95.8	0.89	119	2.0	7.6	2.3	--
YE5-225M-2	45	80.8	2965	96.0	0.90	145	2.0	7.7	2.3	--
YE5-250M-2	55	98.5	2975	96.2	0.90	177	2.0	7.7	2.3	--
YE5-280S-2	75	134	2975	96.5	0.90	241	1.8	7.1	2.3	--
YE5-280M-2	90	160	2975	96.6	0.90	289	1.8	7.1	2.3	--
YE5-315S-2	110	195	2985	96.8	0.90	352	1.8	7.1	2.3	--
YE5-315M-2	132	234	2985	96.9	0.90	422	1.8	7.1	2.3	--
YE5-315L1-2	160	279	2985	97.0	0.91	512	1.8	7.2	2.3	--
YE5-315L-2	185	323	2985	97.2	0.91	592	1.8	7.2	2.3	--
YE5-315L2-2	200	349	2985	97.2	0.91	640	1.8	7.2	2.2	--
YE5-315L3-2	220	383	2985	97.2	0.91	704	1.8	7.2	2.2	--
YE5-355M1-2	220	383	2985	97.2	0.91	704	1.8	7.2	2.2	--
YE5-355M-2	250	436	2985	97.2	0.91	800	1.6	7.2	2.2	--
YE5-355L1-2	280	488	2985	97.2	0.91	896	1.6	7.2	2.2	--
YE5-355L-2	315	549	2985	97.2	0.91	1008	1.6	7.2	2.2	--
YE5-355L2-2	355	619	2985	97.2	0.91	1136	1.6	7.2	2.2	--
YE5-355L3-2	375	654	2985	97.2	0.91	1200	1.6	7.2	2.2	--

性能数据 Performance Data

Rated Voltage: 380V FUNDAMENTAL FREQUENCY: 50HZ
额定电压：380V 基频：50HZ

型号 motor type	功率 KW	额定 电流 A	转速 r/min	效率 Eff.%	功率 因数 P.F	额定 转矩 N.m	堵转转矩 额定转矩 $\frac{T_{st}}{T_N}$	堵转电流 额定电流 $\frac{I_{st}}{I_N}$	最大转矩 额定转矩 $\frac{T_{max}}{T_N}$	重量 Kg
同步转速 1000r/min										
YE5-90S-6	0.75	2.0	945	85.7	0.71	7.58	2.0	--	--	--
YE5-90L-6	1.1	2.8	950	87.2	0.73	11.1	2.0	--	--	--
YE5-100L-6	1.5	3.8	950	88.4	0.73	15.1	2.0	--	--	--
YE5-112M-6	2.2	5.4	965	89.7	0.74	21.8	2.0	--	--	--
YE5-132S-6	3	7.2	975	90.6	0.74	29.4	1.9	--	--	--
YE5-132M1-6	4	9.5	975	91.4	0.74	39.2	1.9	--	--	--
YE5-132M2-6	5.5	12.7	975	92.2	0.75	53.9	1.9	--	--	--
YE5-160M-6	7.5	16.2	980	92.9	0.79	73.1	1.9	--	--	--
YE5-160L-6	11	23.1	980	93.7	0.80	107	1.9	--	--	--
YE5-180L-6	15	30.9	980	94.3	0.78	146	1.9	--	--	--
YE5-200L1-6	18.5	37.8	985	94.6	0.81	179	1.9	--	--	--
YE5-200L2-6	22	44.8	985	94.9	0.81	213	1.9	--	--	--
YE5-225M-6	30	59.1	985	95.3	0.83	291	1.9	--	--	--
YE5-250M-6	37	71.7	985	95.6	0.84	359	1.9	--	--	--
YE5-280S-6	45	85.8	990	95.8	0.85	434	1.9	--	--	--
YE5-280M-6	55	103	990	96.0	0.86	531	1.9	--	--	--
YE5-315S-6	75	143	990	96.3	0.84	723	1.9	--	--	--
YE5-315M-6	90	170	990	96.5	0.85	868	1.9	--	--	--
YE5-315L1-6	110	207	990	96.6	0.85	1061	1.9	--	--	--
YE5-315L2-6	132	244	990	96.8	0.86	1273	1.9	--	--	--
YE5-315L3-6	160	296	990	96.9	0.86	1543	1.9	--	--	--
YE5-355M1-6	160	296	995	96.9	0.86	1536	1.9	--	--	--
YE5-355M-6	185	342	995	97.0	0.86	1776	1.9	--	--	--
YE5-355M2-6	200	365	995	97.0	0.87	1920	1.9	--	--	--
YE5-355L1-6	220	401	995	97.0	0.87	2112	1.9	--	--	--
YE5-355L-6	250	456	995	97.0	0.87	2399	1.9	--	--	--

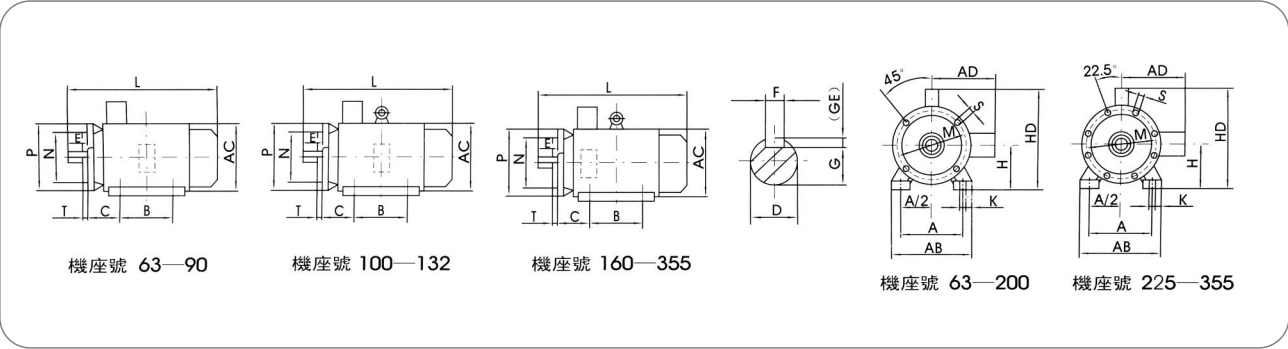
技术数据 Technical data 4极-同步转速1500r/min 50Hz 4 pole- 1500 rpm synchronous speed 50Hz

型号 motor type	功率 KW	额定 电流 A	转速 r/min	效率 Eff. %	功率 因数 P.F	额定 转矩 N.m	堵转转矩 额定转矩 $\frac{T_{st}}{T_N}$	堵转电流 额定电流 $\frac{I_{st}}{I_N}$	最大转矩 额定转矩 $\frac{T_{max}}{T_N}$	重量 Kg
同步转速 1500 r/min										
YE5-80M2-4	0.75	1.8	1430	88.2	0.73	5.01	2.3	6.6	2.3	--
YE5-90S-4	1.1	2.6	1430	89.5	0.76	7.35	2.3	6.8	2.3	--
YE5-90L-4	1.5	3.5	1430	90.4	0.77	10.0	2.3	7.0	2.3	--
YE5-100L1-4	2.2	4.8	1440	91.4	0.81	14.6	2.3	7.6	2.3	--
YE5-100L2-4	3	6.3	1440	92.1	0.82	19.9	2.3	7.6	2.3	--
YE5-112M-4	4	8.4	1455	92.8	0.82	26.3	2.2	7.8	2.3	--
YE5-132S-4	5.5	11.2	1465	93.4	0.83	35.9	2.0	7.9	2.3	--
YE5-132M-4	7.5	15.0	1465	94.0	0.84	48.9	2.0	7.5	2.3	--
YE5-160M-4	11	21.5	1470	94.6	0.85	71.5	2.0	7.7	2.3	--
YE5-160L-4	15	28.8	1470	95.1	0.83	97.4	2.0	7.8	2.3	--
YE5-180M-4	18.5	35.3	1470	95.3	0.86	120	2.0	7.8	2.3	--
YE5-180L-4	22	41.8	1470	95.5	0.84	143	2.0	7.8	2.3	--
YE5-200L-4	30	56.6	1475	95.9	0.86	194	2.0	7.3	2.3	--
YE5-225S-4	37	69.6	1480	96.1	0.86	239	2.0	7.4	2.3	--
YE5-225M-4	45	84.4	1480	96.3	0.86	290	2.0	7.4	2.3	--
YE5-250M-4	55	103	1485	96.5	0.86	354	2.0	7.4	2.3	--
YE5-280S-4	75	136	1490	96.7	0.86	481	2.0	6.7	2.3	--
YE5-280M-4	90	163	1490	96.9	0.87	577	2.0	6.9	2.3	--
YE5-315S-4	110	197	1490	97.0	0.88	705	2.0	7.0	2.2	--
YE5-315M-4	132	236	1490	97.1	0.89	846	2.0	7.0	2.2	--
YE5-315L1-4	160	285	1490	97.2	0.89	1026	2.0	7.1	2.2	--
YE5-315L-4	185	329	1490	97.4	0.89	1186	2.0	7.1	2.2	--
YE5-315L2-4	200	352	1490	97.4	0.90	1282	2.0	7.1	2.2	--
YE5-315L3-4	220	387	1490	97.4	0.90	1410	2.0	7.1	2.2	--
YE5-355M1-4	220	387	1490	97.4	0.90	1410	2.0	7.1	2.2	--
YE5-355M-4	250	440	1495	97.4	0.89	1597	2.0	7.1	2.2	--
YE5-355L1-4	280	492	1495	97.4	0.90	1789	2.0	7.1	2.2	--
YE5-355L-4	315	554	1495	97.4	0.90	2012	2.0	7.1	2.2	--

技术数据 Technical data 4极-同步转速1500r/min 50Hz 4 pole-1500 rpm synchronous speed 50Hz

型号 motor type	功率 KW	额定 电流 A	转速 r/min	效率 Eff.%	功率 因数 P.F	额定 转矩 N.m	堵转转矩 额定转矩 $\frac{T_{st}}{T_N}$	堵转电流 额定电流 $\frac{I_{st}}{I_N}$	最大转矩 额定转矩 $\frac{T_{max}}{T_N}$	重量 Kg
同步转速 750r/min										
YE5-100L1-8	0.75	2.3	705	82.0	0.67	10.2	1.8	4.0	2.0	--
YE5-100L2-8	1.1	3.2	705	84.0	0.69	14.9	1.8	5.0	2.0	--
YE5-112M-8	1.5	4.2	715	85.5	0.70	20.0	1.8	5.0	2.0	--
YE5-132S-8	2.2	5.9	730	87.2	0.71	28.8	1.8	6.0	2.2	--
YE5-132M-8	3	7.6	730	88.4	0.73	39.2	1.8	6.0	2.2	--
YE5-160M1-8	4	9.8	725	89.4	0.73	52.7	1.9	6.0	2.2	--
YE5-160M2-8	5.5	13.1	725	90.4	0.74	72.4	1.9	6.0	2.2	--
YE5-160L-8	7.5	17.4	730	91.3	0.75	98.1	1.9	6.0	2.2	--
YE5-180L-8	11	25.0	725	92.2	0.75	145	1.9	6.5	2.2	--
YE5-200L-8	15	33.2	730	92.9	0.76	196	2.0	6.6	2.2	--
YE5-225S-8	18.5	40.6	735	93.3	0.76	240	2.0	6.6	2.2	--
YE5-225M-8	22	46.8	735	93.6	0.78	286	2.0	6.6	2.2	--
YE5-250M-8	30	62.6	735	94.1	0.79	390	1.9	6.5	2.0	--
YE5-280S-8	37	76.5	740	94.4	0.79	478	1.8	6.6	2.0	--
YE5-280M-8	45	92.6	740	94.7	0.79	581	1.8	6.6	2.0	--
YE5-315S-8	55	110	740	94.9	0.81	710	1.8	6.6	2.0	--
YE5-315M-8	75	150	740	95.3	0.81	968	1.8	6.2	2.0	--
YE5-315L1-8	90	176	740	95.5	0.82	1161	1.8	6.4	2.0	--
YE5-315L2-8	110	215	740	95.7	0.82	1420	1.8	6.4	2.0	--
YE5-355M1-8	132	257	745	95.9	0.82	1692	1.8	6.4	2.0	--
YE5-355M2-8	160	312	745	96.1	0.82	2051	1.8	6.4	2.0	--
YE5-355L1-8	185	360	745	96.3	0.82	2371	1.8	6.4	2.0	--
YE5-355L-8	200	385	745	96.3	0.83	2564	1.8	6.4	2.0	--

附录 II - YX3、YE3、YD2、YEJ2、YVF2系列电动机外形及安装尺寸
Appendix II-YX3、YE3、YD2、YEJ2、YVF2 series motor shapes and installation dimensions



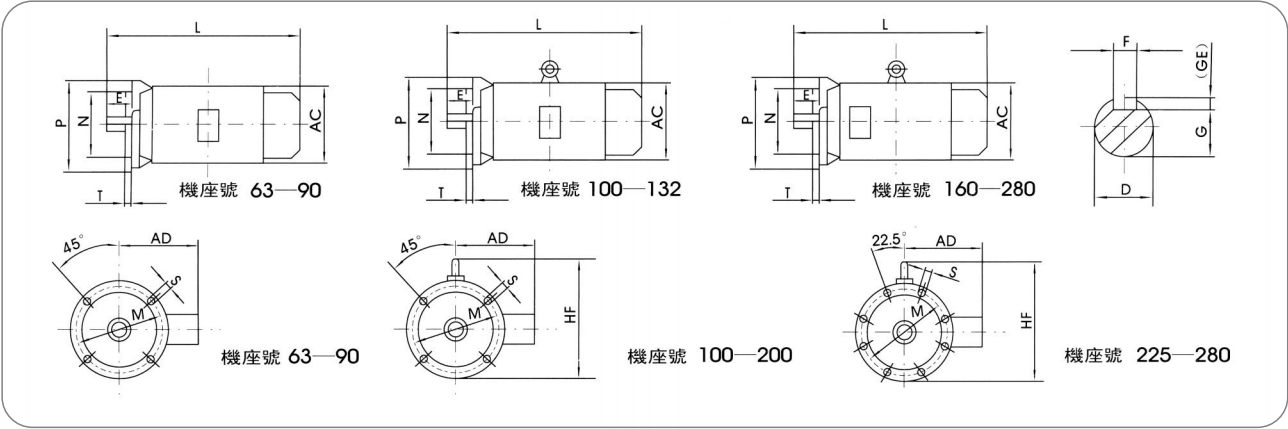
機座帶底脚，端蓋上有凸緣(帶通孔)的電動機
Frame with foot end, shield with flange(with through hole)

单位: mm

机座号 Frame size	凸 缘 号 Flange size	极数 Poles	安 装 尺 寸 Fixing Measurement																	外 形 尺 寸 Figure size																																
			A	A/2	B	C	D	E	F	G	H	K	M	N	P	R	S	T	凸缘孔数 Flange holes	AB	AC	AD	HD	L																												
																								YE2、YX3、YE3、YD2	YVF2	YEJ2																										
63M	FF115	2、4	100	50	80	40	11	23	4	8.5	63	7	115	95	140		10	3		135	130	70	180	230	/	/																										
71M	FF130	2、4、6	112	56	90	45	14	30	5	11	71		130	110	160					150	145	80	195	255																												
80M	FF165	2、4、6、8	125	62.5	100	50	19	40	6	15.5	80	10	165	130	200		12	3.5		165	175	145	220	295	370	390																										
90S			140	70	100 125	56	24	50	20	90	205									215	180	270	385	465	480	320	380	420																								
90L												180	195	155	250	345	410	445																																		
100L	FF215		160	80	140	63	28	60	8	24	100 112	12	215	180	250		15	4	4	230	240	190	300	400	480	510																										
112M			190	95	140	70														230	240	190	300	400	480	510																										
132S	FF265		216	108	140 178	89	38	80	10	33	132	12	265	230	300					270	275	210	345	470	530	585																										
132M			510	570	625																																															
160M	FF300		254	127	210 254	108	42	110	12	37		15	300	250	350					320	330	255	420	615	660	720																										
160L			670	715	765																																															
180M			279	139.5	241 279	121	48	14	42.5	180	355	380	280	455	700	775	825																																			
180L		740	815	875																																																
200L	FF350		318	159	305	133	55		16	49	200	19	350	300	400					395	420	305	505	770	850	900																										
225S	FF400	4、8			286		60	140	18	53	225		400	350	450						19	5		815	885	1000																										
225M		2	356	178	311	149	55	110	16	49		820				915	1000																																			
		4、6、8														845		1030																																		
250M	FF500	2	406	203	349	168		18	53	250	24	500	450	550						490	510	370	615	910	980																											
		4、6、8																																																		
280S		2							457	228.5										368	190	75	140	20	67.5		280	550								985	1085															
		4、6、8																																																		
280M		2																																		419	75	18	58	20	67.5	1035	1135									
	4、6、8																																																			
315S	FF600	2	508	254	406		65		18	58	315	600	550	660										1178	1285	/																										
		4、6、8、10																						1208																												
315M		2							65	140														18			58	80	170	22	71	1290	1395																			
		4、6、8、10							80	170														22			71	1320																								
315L		2							65	140														18			58	1290																								
	4、6、8、10	80			170	22	71	1320																																												
355M	FF740	2			610	305	560		75	140	20	67.5	355	740	680	800										1500	/																									
		4、6、8、10																								95		170	25	86	1530																					
		2					75		140	20	67.5	1500																																								
355L		4、6、8、10					95		170	25	86	1530																																								

附录 III- YX3、YE3、YD2、YEJ2、YVF2系列电动机外形及安装尺寸

Appendix III-YX3, YE3, YD2, YEJ2, YVF2 series motor shapes and installation dimensions

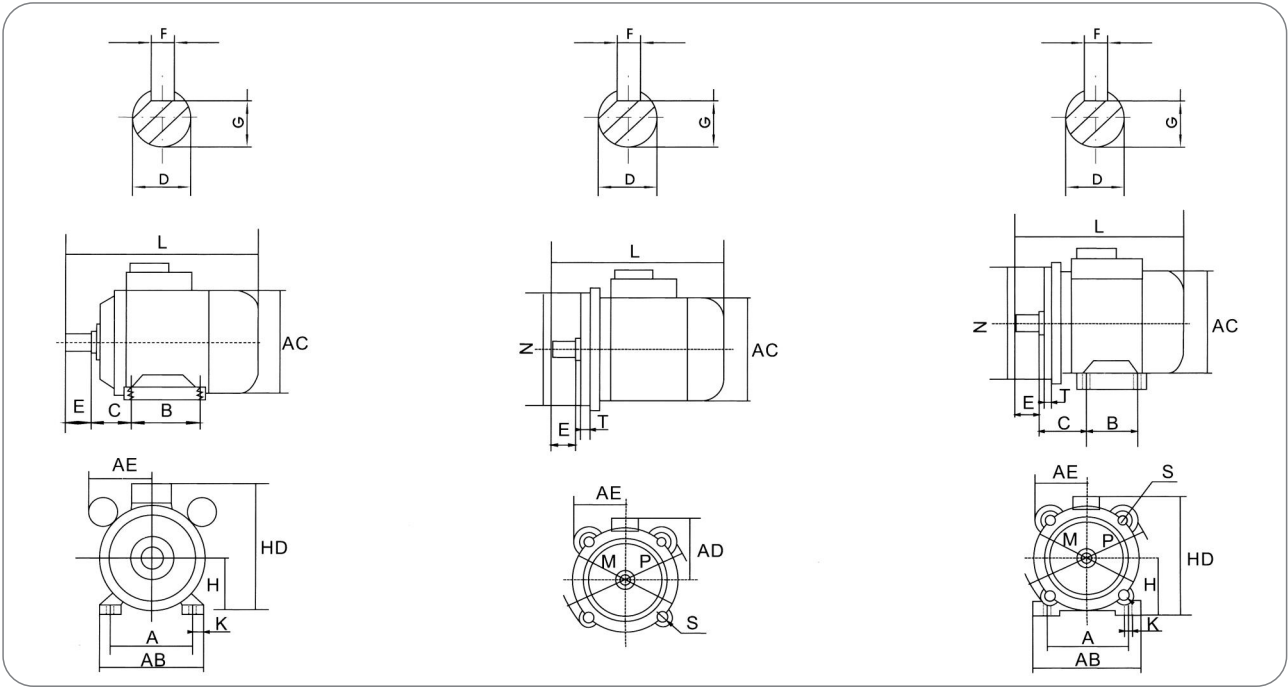


单位: mm

机座号 Frame size	凸缘号 Flange size	极数 Poles	安 装 尺 寸 Fixing Measurement											外 形 尺 寸 Figure size						
			D	E	F	G	M	N	P	R	S	T	凸缘孔数 Flange holes	AC	AD	HD	L			
																	YE2、YX3、YE3、YD2	YVF2	YEJ2	
63M	FF115	2、4	11	23	4	8.5	115	95	140		10	3		130	70	130	230	/	/	
71M	FF130	2、4、6	14	30	5	11	130	110	160					145	80	145	255			
80M	FF165	2、4、6、8	19	40	6	15.5	165	130	200	0	12	3.5	4	175	145	185	295	370	390	
90S			24	50	8	20								195	155	195	320	380	420	
90L														345	410	445				
100L	FF215		28	60		24	215	180	250					215	180	245	385	465	480	
112M														240	190	265	400	480	570	
132S	FF265		38	80	10	33	265	230	300					15	4	4	275	210	315	470
132M			510	570	625															
160M	FF300		42	110	12	37	300	250	350		330	255					385	615	660	720
160L			670		715	765														
180M			48		14	42.5					380	280					430	700	775	825
180L					740	815					875									
200L	FF350		55		16	49	350	300	400		420	305		480	770		850	900		
225S	FF400	4、8	60	140	18	53	400	350	450	19	5	8	470	335	535		815	880	1000	
225M		2	55	110	16	49											820	915	1000	
		4、6、8	60	140	18	53											510		370	595
250M	2	65					58	500	450				550							
	4、6、8		2		65	18								58	580		410	650	985	1085
280S	4、6、8	75	20		67.5	1035	1135													
280M	2	65	18		58															
	4、6、8	75	20		67.5															

附录 VI - YL系列单相双值电容异步电动机

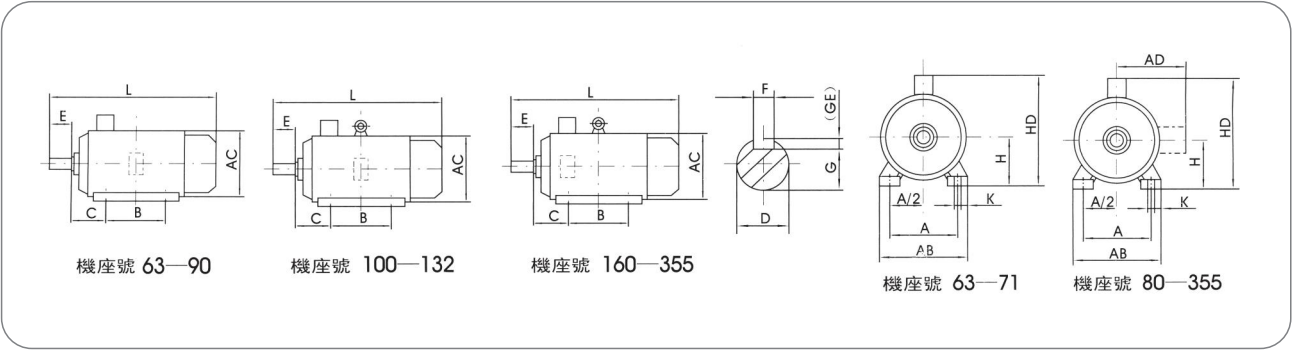
Appendix VI-YL series single-phase dual-value Capacitor Induction Motors



单位: mm

机座号 Frame size	安 装 尺 寸 Fixing Measurement																				外 形 尺 寸 Figure size						
										IMB14.IMB34						IMB5.IMB35											
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	M	N	P	R	S	T	AB	AC	AD	AE	HD	L
71	112	90	45	14	30	5	11	71	7	85	70	1.5	0	M6	2.5	-	-	-	-	-	-	145	145	140	105	180	255
80	125	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	2.5	-	-	-	-	-	-	160	165	150	120	200	295
90S	140	100	56	24	50	8	20	90	10	115	95	140	0	M8	3	-	-	-	-	-	-	180	185	160	130	240	370
90L	140	125	56	24	50	8	20	90	10	115	95	140	0	M8	3	-	-	-	-	-	-	180	185	160	130	240	400
100L	160	140	63	28	60	8	24	100	12	-	-	-	-	-	-	215	180	250	0	15	4	205	220	180	130	260	430
112M	190	140	70	28	60	8	24	112	12	-	-	-	-	-	-	215	180	250	0	15	4	245	250	190	140	300	455
132S	216	140	89	38	60	10	33	132	12	-	-	-	-	-	-	215	180	250	0	15	4	280	290	210	155	300	525

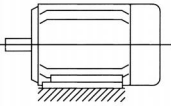
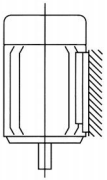
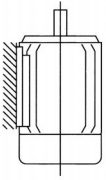
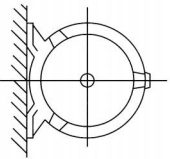
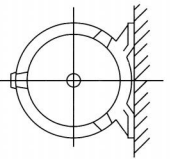
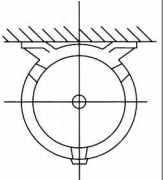
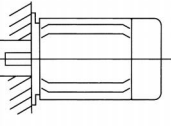
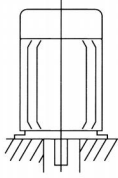
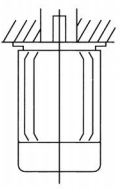
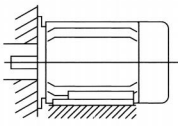
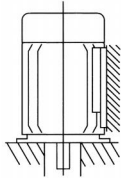
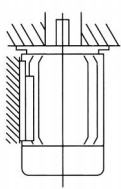
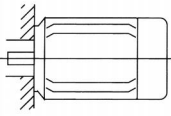
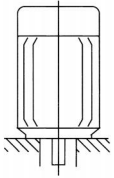
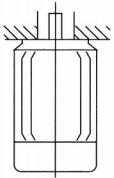
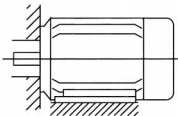
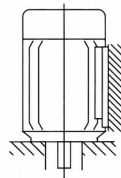
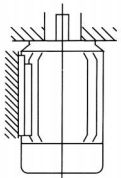
附录 I- YX3、YE3、YD2、YEJ2、YVF2系列电动机外形及安装尺寸



单位: mm

机座号 Frame size	极数 Poles	安 装 尺 寸 Fixing Measurement										外 形 尺 寸 Figure size																	
		A	A/2	B	C	D	E	F	G	H	K	AB	AC	AD	HD	L													
																YE2、YX3、YE3、YD2	YVF2	YEJ2											
63M	2、4	100	50	80	40	11	23	4	8.5	63	7	135	130	70	180	230	/	/											
71M	2、4、6	112	56	90	45	14	30	5	11	71		150	145	80	195	255													
80M		125	62.5	100	50	19	40	6	15.5	80	10	165	175	145	220	295	370	390											
90S	2.4.6.8	140	70	100	56	24	50	8	20	90		12	180	195	155	250	320	380	420										
90L				125							345						410	445											
100L		160	80	140	63	28	60		24	100	205	215	180	270	385	465	480												
112M		190	95	140	70					112					230	240	190	300	400	480	510								
132S		216	108	140	89	38	80	10	33	132	15	270	275	210	345	470	530	585											
132M				178												510	570	625											
160M		254	127	210	108	42	110	12	37	160	19	320	330	255	420	615	660	720											
160L				254												670	715	765											
180M		279	139.5	241	121	48		14	42.5	180		355	380	280	455	700	775	825											
180L				279												740	815	875											
200L		318	159	305	133	55		16	49	200	19	395	420	305	505	770	850	900											
225S	4、8	356	178	286	149	60	140	18	53	225		435	470	335	560	815	885	1000											
225M	2			311		55	110	16	49		60					53	250	24	820	915	1000								
225L	4、6、8					845	1030																						
250M	2	406	203	349	168	140	18	58	280	24	490	510	370	615	910	980	/												
280S	4、6、8																	65	20	67.5	550	580	410	680	985	1085			
280M	2			419	190		65	18			58	1035	1135																
280L	4、6、8	75	20						67.5																				
315S	2	508	254	406	216		65	18	58	315	28	635	645	490	800	1178	1380	/											
315M	4.6.8.10					80	170	22	71							1208			1395										
315L	2			457		190	65	140	18							58	1290												
315L	4.6.8.10																80			170	22	71	1320						
355M	2			560		254	75	140	20							67.5	355				730	710	530	880	1500	/			
355M	4.6.8.10																								95		170	25	86
355L	2																		630						254		75	140	20
355L	4.6.8.10	95	170		25					86	1530																		

国家电工委员会 IEC 60034-7 标准规定的电机安装方式
Mounting arrangements accordind to IEC 60034-7 standard

电机安装方式 Mounting arrangements	机座带底脚，端盖上无凸缘的电动机 Feet mounting without Flange					
	B3(IM1001)	V5(IM1011)	V6(IM1031)	B6(IM1051)	B7(IM1061)	B8(IM1071)
制造范围 Range	H63~H355	H63~H160	H63~H160	H63~H160	H63~H160	H63~H160
示意图 Diagram						
电机安装方式 Mounting arrangements	机座不带底脚，端盖上有大凸缘的电动机 Large flange mounting without feet			机座带底脚，端盖上有大凸缘的电动机 Large flange and mounting		
	B5(IM3001)	V1(IM3011)	V3(IM3031)	B35(IM2001)	V15(IM2011)	V36(IM2031)
制造范围 Range						
示意图 Diagram						
电机安装方式 Mounting arrangements	机座不带底脚，端盖上有小凸缘的电动机 Small flange mounting without feet			机座带底脚，端盖上有小凸缘的电动机 Small flange and feet mounting		
	B14(IM3601)	V18(IM3611)	V19(IM3631)	B34(IM2101)	V58(IM2111)	V69(IM2131)
制造范围 Range						
示意图 Diagram						

电机常见故障及排除方法Frequent malfunctions and solutions

故 障	可能的原因	检查或校正方法
1、電動機空載時不能啟動	1、饋電路斷線（三相當中的一根） 2、定子三相繞組中的一相斷路（“Y”形連接時） 3、電源電壓或頻率不對	檢查電源電壓和個別連接處。 檢查保險絲，饋電線內電流和每一相繞組的電阻。 檢查電壓及頻率。
2、電動機在負載時不能啟動，在低負載或空載時能啟動，但在負載增加后轉速即大跌或甚至停下來	1、電源電壓低 2、定子繞組有匝間短路 3、定子三相繞組中異相斷線（“Δ”接線法時） 4、過載	檢查線路電壓。 檢查每相繞組和每相空載電流。 檢查每相繞組電阻。 檢查負載。
3、電機停留在低轉速	1、定子繞組一相接反，電動機發響聲 2、轉子端環和導杆中間有斷裂情況	檢查饋電線的電流和引出線標記。 檢查短路電流。
4、定子過熱	1、饋電線路三根中有一根斷線或定子繞組一相斷路 2、電源電壓過大或過低 3、過載 4、定子匝間或相同短路 5、通風不好	檢查保險絲，線間電壓和導線電流。 檢查饋電線內的電流，檢查定子相間和對地絕緣電阻。 檢查繞組電阻，檢查通風孔道。
5、軸承過熱	1、裝配不對 2、電動機軸與被拖動之軸不平行 3、沒有潤滑油，油內有雜物或油質不良 4、皮帶過緊 5、不平衡的磁性吸力大	檢查轉子是否容易轉動。 校正兩軸平衡。 用汽車洗刷更換潤滑油。 松皮帶或移動底腳。 檢查空氣隙偏心度。
6、合閘時保險設備跳閘	1、定子繞組一相接反 2、把應當接成“Y”形的定子三相繞組接成子“Δ”形 3、繞組對機座短路或相間短路	檢查引出線標記和接法。 檢查引出線標記和接法。 檢查各相繞組對機座的絕緣以及相同絕緣。
7、機械振動大	1、轉子不平衡只在相當低的轉數時才不振動 2、軸向竄動大 3、傳動皮帶接頭接得不好 4、皮帶輪不平衡	檢查平衡情況。 檢查軸承外的間隙，並加以調整。 重新接皮帶。 檢查皮帶輪。

注:電動機的故障及產生的故障的原因很多,有時一個故障可能有幾個原因,一個原因也可以產生幾種故障,上表所列僅為常見的幾種,在檢查如發生疑問可參閱有關檢修維護書或與制造廠聯系。

Stoppage	Possible reasons	Check or calibration methods
1. No-load motor can't start	1. Circuit broken wires (one of the three is the root) 2. When the child three-phase winding of the a phase breakers (" Y "type of connection) 3. The power supply voltage and frequency is wrong	Check the power supply voltage or individual connection. Check the fuse, feeders of current and each phase of the winding resistance. Check voltage and frequency
2. Motor load in cannot begin at low load or no-load to start when, but in load increase speed that are even stop to plunge	1. The low voltage power supply 2. The group turns around the son between short circuit 3. The stator three-phase winding out-of-phase break line (" Δ "then method) 4. Overload	Check the line voltage; Check each phase windings and each phase no-load current; Check each phase winding resistance; Check the load
3. Motor stay in low rotation speed	1. A connect the stator winding, motor hair crosstalk 2. The rotor ring and guide bar among fracture	Check feeders current and lead wire mark; Check short-circuit current
4. Stator overheating	1. Feeders three roots there was a break or stator winding a phase open circuit 2. The power supply voltage too big or too low 3. overload 4. Same stator circle or short circuit 5. And ventilated bad	Check the fuse, line voltage and current between wire; Check the current in a feeders, Check the stator alternate with and ground insulation resistance; Check the winding resistance and stable wa
5. Bearing overheating	1. The assembly wrong 2. The motor shaft and the dragging is not parallel axis 3. No lubricating oil, oil impurities or oily bad there 4. Belts tight 5. Don't balance of magnetic big suction	Check whether the rotor to turn; Correction two axis balance; Use the car wash oil changing; The belt or loose move feet; Check the air gap eccentric degrees
6. When feeder insurance facilities trip	1. A connect the stator winding 2. Put a "Y" shall meet type stator windings to become " Δ " Δ 3. Winding base to short circuit or alternate with short circuit	Check mark and lead wire by law; Check mark and lead wire by law; Check the phase windings of the insulation and the same base of insulation
7. Mechanical vibration	1. Relet not only in balance quite a low speed don't vibration 2. the axial moving there 3. transmission belt joint answered the bad 4.pulley is not even	Check the balance situation; Check the clearance of bearing, and to make adjustments. To meet the belt; Check the pulley

Note:There are many reasons for the malfunctions,sometimes there might be several reasonsgs for one proble,somet mes one reason mightcame several problem.These listed in the table are just those frequent appeared,please don't hesitate to contact us while in need.