



YE4

YE4 系列超高效率三相异步电动机 PREMIUM EFFICIENCY THREE-PHASE ASYNCHRONOUS MOTOR

YE4 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 IE3 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。

YE4 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 YE4 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.

YE4 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 质量认证体系，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										
YE4-63M1-2	0.18	0.53	2720	66.9	0.81	0.63	2.2	5.5	2.2	--
YE4-63M2-2	0.25	0.70	2720	70.7	0.81	0.88	2.2	5.5	2.2	--
YE4-71M1-2	0.37	1.0	2740	74.8	0.82	1.29	2.2	6.1	2.2	--
YE4-71M2-2	0.55	1.4	2740	78.8	0.82	1.92	2.2	6.1	2.2	--
YE4-80M1-2	0.75	1.7	2870	83.5	0.83	2.50	2.2	7.0	2.3	15
YE4-80M2-2	1.1	2.4	2875	85.2	0.83	3.65	2.2	7.3	2.3	16.5
YE4-90S-2	1.5	3.2	2880	86.5	0.85	4.97	2.2	7.6	2.3	20
YE4-90L-2	2.2	4.6	2880	88.0	0.86	7.30	2.2	7.6	2.3	24
YE4-100L-2	3	6.0	2880	89.1	0.87	9.95	2.2	7.8	2.3	31
YE4-112M-2	4	7.8	2915	90.4	0.88	13.1	2.2	8.3	2.3	38
YE4-132S1-2	5.5	10.6	2935	90.9	0.88	17.9	2.0	8.3	2.3	58
YE4-132S2-2	7.5	14.4	2930	91.7	0.89	24.4	2.0	7.9	2.3	62
YE4-160M1-2	11	20.6	2950	92.6	0.89	35.6	2.0	8.1	2.3	103
YE4-160M2-2	15	27.9	2945	93.3	0.89	48.6	2.0	8.1	2.3	112
YE4-160L-2	18.5	34.2	2945	93.7	0.89	60.0	2.0	8.2	2.3	135
YE4-180M-2	22	40.5	2950	94.0	0.89	71.2	2.0	8.2	2.3	165
YE4-200L1-2	30	54.9	2965	94.5	0.89	96.6	2.0	7.6	2.3	215
YE4-200L2-2	37	67.4	2965	94.8	0.89	119	2.0	7.6	2.3	232
YE4-225M-2	45	80.8	2965	95.0	0.89	145	2.0	7.7	2.3	285
YE4-250M-2	55	98.5	2975	95.3	0.89	177	2.0	7.7	2.3	375
YE4-280S-2	75	134	2975	95.6	0.89	241	1.8	7.1	2.3	500
YE4-280M-2	90	160	2975	95.8	0.89	289	1.8	7.1	2.3	550
YE4-315S-2	110	195	2985	96.0	0.89	352	1.8	7.1	2.3	860
YE4-315M-2	132	234	2985	96.2	0.89	422	1.8	7.1	2.3	960
YE4-315L1-2	160	279	2985	96.3	0.89	512	1.8	7.2	2.3	1020
YE4-315L-2	185	323	2985	96.5	0.89	592	1.8	7.2	2.3	--
YE4-315L2-2	200	349	2985	96.5	0.89	640	1.8	7.2	2.2	1080
YE4-315L3-2	220	383	2985	96.5	0.89	704	1.8	7.2	2.2	--
YE4-355M1-2	220	383	2985	96.5	0.89	704	1.8	7.2	2.2	--
YE4-355M-2	250	436	2985	96.5	0.91	800	1.6	7.2	2.2	1700
YE4-355L1-2	280	488	2985	96.5	0.91	896	1.6	7.2	2.2	--
YE4-355L-2	315	549	2985	96.5	0.91	1008	1.6	7.2	2.2	1850
YE4-355L2-2	355	619	2985	96.5	0.91	1136	1.6	7.2	2.2	--
YE4-355L3-2	375	654	2985	96.5	0.91	1200	1.6	7.2	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 1500 r/min										
YE4-63M1-4	0.12	0.45	1310	65.8	0.72	0.87	2.1	4.4	2.2	--
YE4-63M2-4	0.18	0.64	1310	70.9	0.73	1.31	2.1	4.4	2.2	--
YE4-71M1-4	0.25	0.81	1330	74.5	0.73	1.80	2.1	5.2	2.2	--
YE4-71M2-4	0.37	1.1	1330	79.3	0.74	2.66	2.1	5.2	2.2	--
YE4-80M1-4	0.55	1.4	1430	83.8	0.74	3.67	2.3	6.5	2.3	14.5
YE4-80M2-4	0.75	1.8	1430	85.7	0.74	5.01	2.3	6.6	2.3	15
YE4-90S-4	1.1	2.6	1430	87.2	0.75	7.35	2.3	6.8	2.3	19
YE4-90L-4	1.5	3.5	1430	88.2	0.76	10.0	2.3	7.0	2.3	23
YE4-100L1-4	2.2	4.8	1440	89.5	0.79	14.6	2.3	7.6	2.3	30
YE4-100L2-4	3	6.3	1440	90.4	0.80	19.9	2.3	7.6	2.3	33
YE4-112M-4	4	8.4	1455	91.1	0.80	26.3	2.2	7.8	2.3	43
YE4-132S-4	5.5	11.2	1465	91.9	0.80	35.9	2.0	7.9	2.3	60
YE4-132M-4	7.5	15.0	1465	92.6	0.81	48.9	2.0	7.5	2.3	69
YE4-160M-4	11	21.5	1470	93.3	0.83	71.5	2.0	7.7	2.3	107
YE4-160L-4	15	28.8	1470	93.9	0.84	97.4	2.0	7.8	2.3	130
YE4-180M-4	18.5	35.3	1470	94.2	0.85	120	2.0	7.8	2.3	162
YE4-180L-4	22	41.8	1470	94.5	0.85	143	2.0	7.8	2.3	175
YE4-200L-4	30	56.6	1475	94.9	0.85	194	2.0	7.3	2.3	227
YE4-225S-4	37	69.6	1480	95.2	0.85	239	2.0	7.4	2.3	282
YE4-225M-4	45	84.4	1480	95.4	0.85	290	2.0	7.4	2.3	315
YE4-250M-4	55	103	1485	95.7	0.86	354	2.0	7.4	2.3	390
YE4-280S-4	75	136	1490	96.0	0.87	481	2.0	6.7	2.3	525
YE4-280M-4	90	163	1490	96.1	0.88	577	2.0	6.9	2.3	590
YE4-315S-4	110	197	1490	96.3	0.89	705	2.0	7.0	2.2	900
YE4-315M-4	132	236	1490	96.4	0.89	846	2.0	7.0	2.2	1000
YE4-315L1-4	160	285	1490	96.6	0.90	1026	2.0	7.1	2.2	1070
YE4-315L-4	185	329	1490	96.7	0.90	1186	2.0	7.1	2.2	--
YE4-315L2-4	200	352	1490	96.7	0.90	1282	2.0	7.1	2.2	1140
YE4-315L3-4	220	387	1490	96.7	0.90	1410	2.0	7.1	2.2	--
YE4-355M1-4	220	387	1490	96.7	0.90	1410	2.0	7.1	2.2	--
YE4-355M-4	250	440	1495	96.7	0.90	1597	2.0	7.1	2.2	1760
YE4-355L1-4	280	492	1495	96.7	0.90	1789	2.0	7.1	2.2	--
YE4-355L-4	315	554	1495	96.7	0.90	2012	2.0	7.1	2.2	1920
YE4-355L2-4	355	638	1495	96.7	0.88	2268	1.7	7.0	2.2	--
YE4-355L3-4	375	674	1495	96.7	0.88	2395	1.7	7.0	2.2	--

性能数据 Performance Data

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

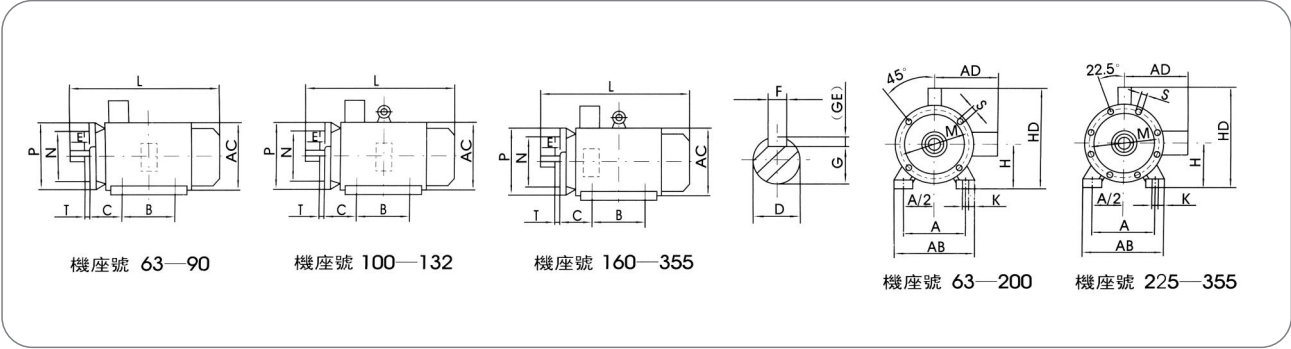
型号 motor type	功率 KW	额定 电流 A	转速 r/min	效率 Eff. %	功率 因数 P.F	额定 转矩 N.m	堵转转矩 额定转矩 $\frac{T_{st}}{T_N}$	堵转电流 额定电流 $\frac{I_{st}}{I_N}$	最大转矩 额定转矩 $\frac{T_{max}}{T_N}$	重量 Kg
同步转速 1000r/min										
YE4-71M1-6	0.18	0.76	850	63.9	0.65	2.02	1.9	4.0	2.0	--
YE4-71M2-6	0.25	0.97	850	68.6	0.67	2.81	1.9	4.0	2.0	--
YE4-80M1-6	0.37	1.2	910	73.5	0.69	3.88	1.9	5.5	2.0	15.5
YE4-80M2-6	0.55	1.6	925	77.2	0.69	5.68	1.9	5.8	2.1	16.5
YE4-90S-6	0.75	2.0	945	82.7	0.70	7.58	2.0	6.0	2.1	20
YE4-90L-6	1.1	2.8	950	84.5	0.70	11.1	2.0	6.0	2.1	24
YE4-100L-6	1.5	3.8	950	85.9	0.71	15.1	2.0	6.5	2.1	29
YE4-112M-6	2.2	5.4	965	87.4	0.71	21.8	2.0	6.6	2.1	37
YE4-132S-6	3	7.2	975	88.6	0.71	29.4	1.9	6.8	2.1	53
YE4-132M1-6	4	9.5	975	89.5	0.72	39.2	1.9	6.8	2.1	64
YE4-132M2-6	5.5	12.7	975	90.5	0.72	53.9	1.9	7.0	2.1	72
YE4-160M-6	7.5	16.2	980	91.3	0.76	73.1	1.9	7.0	2.1	97
YE4-160L-6	11	23.1	980	92.3	0.77	107	1.9	7.2	2.1	126
YE4-180L-6	15	30.9	980	92.9	0.80	146	1.9	7.3	2.1	166
YE4-200L1-6	18.5	37.8	985	93.4	0.80	179	1.9	7.3	2.1	205
YE4-200L2-6	22	44.8	985	93.7	0.81	213	1.9	7.4	2.1	220
YE4-225M-6	30	59.1	985	94.2	0.82	291	1.9	6.9	2.1	290
YE4-250M-6	37	71.7	985	94.5	0.83	359	1.9	7.1	2.1	370
YE4-280S-6	45	85.8	990	94.8	0.83	434	1.9	7.3	2.0	490
YE4-280M-6	55	103	990	95.1	0.84	531	1.9	7.3	2.0	540
YE4-315S-6	75	143	990	95.4	0.84	723	1.9	6.6	2.0	850
YE4-315M-6	90	170	990	95.6	0.85	868	1.9	6.7	2.0	960
YE4-315L1-6	110	207	990	95.8	0.85	1061	1.9	6.7	2.0	1060
YE4-315L2-6	132	244	990	96.0	0.86	1273	1.9	6.8	2.0	1120
YE4-315L3-6	160	296	990	96.2	0.86	1543	1.9	6.8	2.0	--
YE4-355M1-6	160	296	995	96.2	0.86	1536	1.9	6.8	2.0	1680
YE4-355M-6	185	342	995	96.2	0.86	1776	1.9	6.8	2.0	--
YE4-355M2-6	200	365	995	96.3	0.86	1920	1.9	6.8	2.0	1780
YE4-355L1-6	220	401	995	96.4	0.86	2112	1.9	6.8	2.0	--
YE4-355L-6	250	456	995	96.5	0.86	2399	1.9	6.8	2.0	1950
YE4-355L2-6	280	510	995	96.6	0.86	2687	1.9	6.8	2.0	--
YE4-355L3-6	315	581	995	96.6	0.82	3023	1.9	6.8	2.0	--

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										
YE4 -80M1-8	0.18	0.80	700	59.7	0.60	2.46	1.8	3.3	1.9	15.5
YE4 -80M2-8	0.25	1.1	700	65.1	0.60	3.41	1.8	3.3	1.9	16.5
YE4 -90S-8	0.37	1.4	695	70.3	0.60	5.08	1.8	4.0	1.9	20
YE4 90L 8	0.55	2.0	695	75	0.60	7.56	1.8	4.0	2.0	24
YE4 -100L1-8	0.75	2.3	705	78.4	0.66	10.2	1.8	4.0	2.0	30
YE4 -100L2-8	1.1	3.2	705	80.8	0.67	14.9	1.8	5.0	2.0	32
YE4 -112M-8	1.5	4.2	715	82.6	0.69	20.0	1.8	5.0	2.0	40
YE4 -132S-8	2.2	5.9	730	84.5	0.70	28.8	1.8	6.0	2.2	52
YE4 -132M-8	3	7.6	730	85.9	0.70	39.2	1.8	6.0	2.2	63
YE4 -160M1-8	4	9.8	725	87.1	0.71	52.7	1.9	6.0	2.2	90
YE4 -160M2-8	5.5	13.1	725	88.3	0.72	72.4	1.9	6.0	2.2	100
YE4 -160L-8	7.5	17.4	730	89.3	0.74	98.1	1.9	6.0	2.2	124
YE4 -180L-8	11	25.0	725	90.4	0.74	145	1.9	6.5	2.2	160
YE4 -200L-8	15	33.2	730	91.2	0.75	196	2.0	6.6	2.2	212
YE4 -225S-8	18.5	40.6	735	91.7	0.75	240	2.0	6.6	2.2	255
YE4 -225M-8	22	46.8	735	92.1	0.76	286	2.0	6.6	2.2	285
YE4 -250M-8	30	62.6	735	92.7	0.77	390	1.9	6.5	2.0	370
YE4 -280S-8	37	76.5	740	93.1	0.78	478	1.8	6.6	2.0	485
YE4 -280M-8	45	92.6	740	93.4	0.78	581	1.8	6.6	2.0	540
YE4 -315S-8	55	110	740	93.7	0.80	710	1.8	6.6	2.0	820
YE4 -315M-8	75	150	740	94.2	0.80	968	1.8	6.2	2.0	970
YE4 -315L1-8	90	176	740	94.4	0.81	1161	1.8	6.4	2.0	1050
YE4 -315L2-8	110	215	740	94.7	0.81	1420	1.8	6.4	2.0	1130
YE4 -355M1-8	132	257	745	94.9	0.81	1692	1.8	6.4	2.0	1720
YE4 -355M2-8	160	312	745	95.1	0.82	2051	1.8	6.4	2.0	1800
YE4 -355L1-8	185	360	745	95.3	0.82	2371	1.8	6.4	2.0	--
YE4 -355L-8	200	385	745	95.4	0.82	2564	1.8	6.4	2.0	1950
YE4 -355L2-8	220	423	745	95.4	0.82	2820	1.8	6.4	2.0	--
YE4 -355L3-8	250	481	745	95.4	0.80	3205	1.8	6.5	2.0	--
同步转速 600r/min										
YE4-315S-10	45	99	590	93.0	0.74	728	1.5	6.2	2.0	830
YE4-315M-10	55	120	590	93.5	0.74	890	1.5	6.2	2.0	940
YE4-315L1-10	75	161	590	94	0.75	1214	1.5	5.8	2.0	1070
YE4-315L2-10	90	190	590	94.4	0.76	1457	1.5	5.9	2.0	1150
YE4-355M1-10	110	228	595	94.8	0.77	1766	1.3	6.0	2.0	1660
YE4-355M2-10	132	273	595	95.2	0.77	2119	1.3	6.0	2.0	1780
YE4-355L1-10	160	331	595	95.2	0.77	2568	1.3	6.0	2.0	--
YE4-355L-10	185	383	595	95.2	0.77	2969	1.3	6.0	2.0	1950
YE4-355L2-10	200	414	595	95.2	0.77	3210	1.3	6.0	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

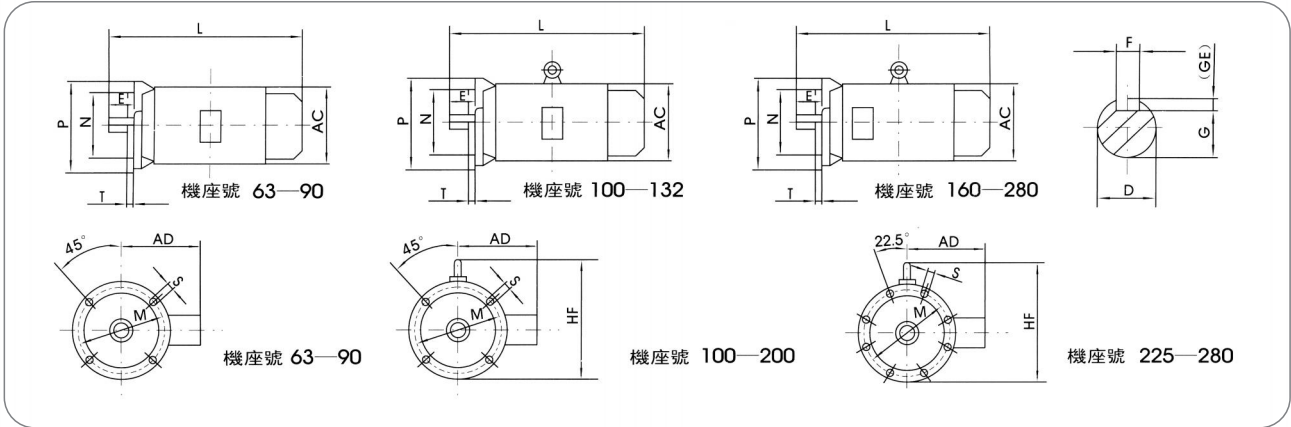


機座帶底脚，端蓋上有凸緣(帶通孔)的電動機
Frame with foot end, shield with flange(with through hole)

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	56	24	50	20	90	180		195	155	250					320	380	420																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
90L											345	410	445																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
100L	FF215		160	80	140	63	28	60		24	100	12	215	180	250		15	4	4	205	215	180	270	385	465	480																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
112M			190	95	140	70							112	230	240					190	300	400	480	510																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
132S	FF265	2、4、6、8	216	108	140	89	38	80	10	33	132		265	230	300					270	275	210	345	470	530	585																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
132M					178															510	570	625																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
160M	FF300		254	127	210	108	42		12	37		15	300	250	350					320	330	255	420	615	660	720																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
160L					254															670	715	765																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
180M			279	139.5	241	121	48	110	14	42.5	180				355	380	280	455					700	775	825																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
180L					279																		740	815	875																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
200L	FF350	4、8			305	133	55		16	49	200	19	350	300	400	0				395	420	305	505	770	850	900																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
225S	FF400				2	356	178		311	149	55		110	16	49					225	400	350	450		19	5					815	885	1000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
225M					4、6、8	820	915			1000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

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

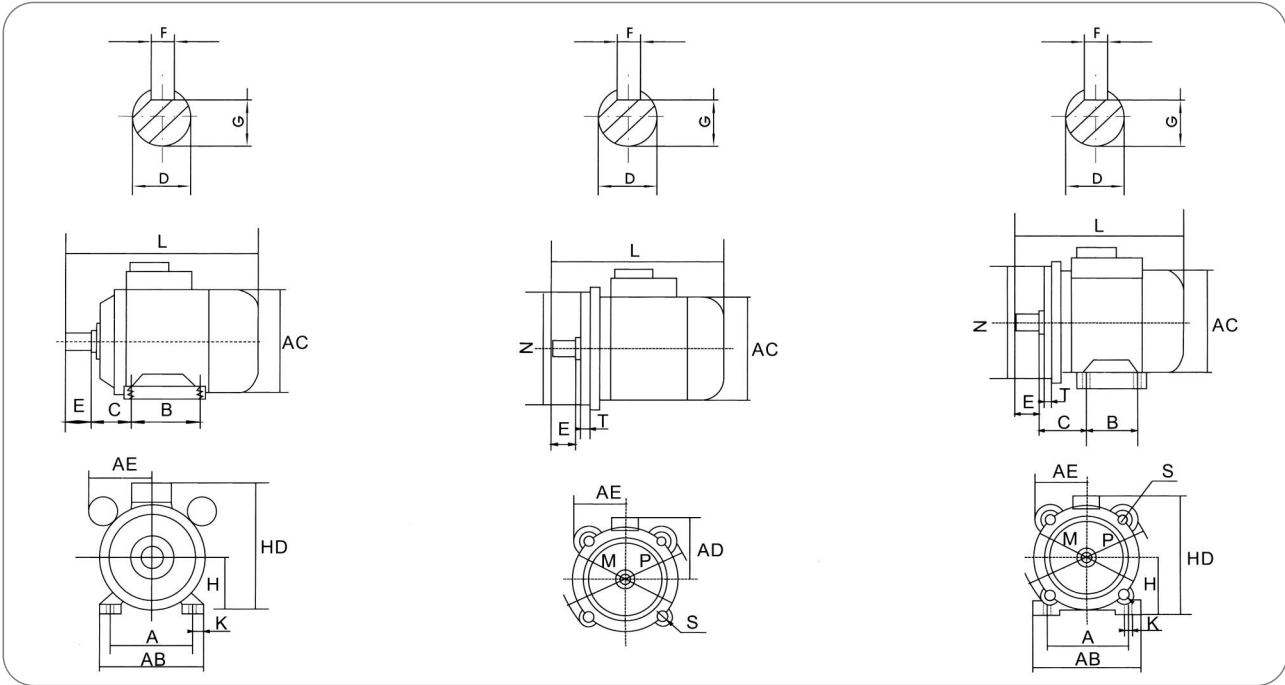


单位: mm

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	215								180	250	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	530	585						
132M															510	570	625									
160M	FF300		42	110	12	37	300	250	350		0	19		5	8	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	0		19	5	8		470	335	535	815	880	1000					
225M		2	55	110	16	49													820	915	1000					
		4、6、8	60	18	53	58													845		1030					
250M	2	65					20	67.5	58			58	58			58	58	58	58	58	58	58	58	58		
280S	4、6、8		75		18	58																			1035	1135
	280M		2		65	18																			58	1035
		4、6、8	75	20	67.5																					

附录 VI - YL系列单相双值电容异步电动机

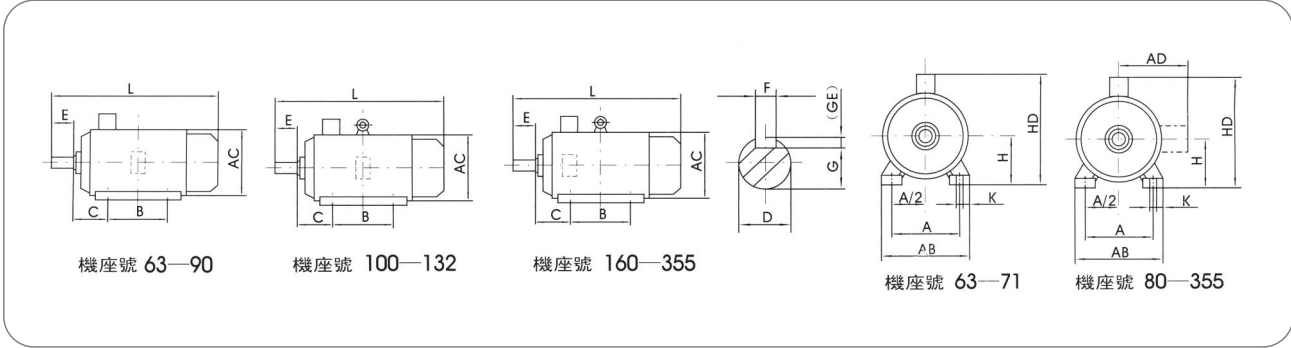
Appendix VI-YL series single-phase dual-value Capacitor Induction Motors



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

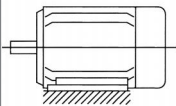
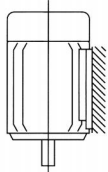
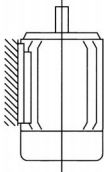
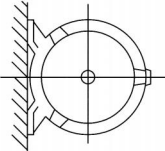
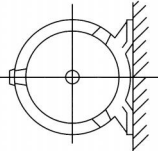
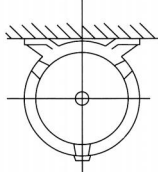
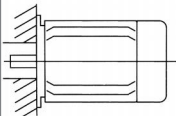
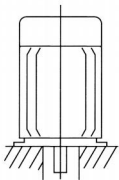
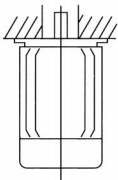
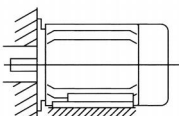
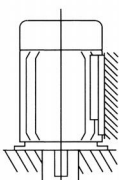
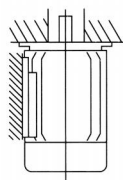
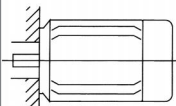
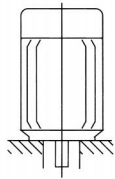
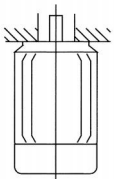
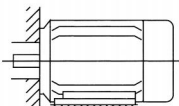
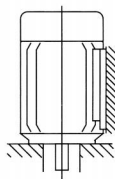
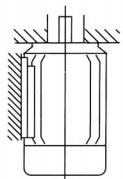
附录 I- YX3、YE3、YD2、YEJ2、YVF2系列电动机外形及安装尺寸



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		10	180	195	155	250	320	380	420								
90L				125							345						410	445									
100L		160	80	140	63	28	60		24	100	12	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	12	270	275	210	345	470	530	585									
132M				178												510	570	625									
160M		254	127	210	108	42	110	12	37	160	15	320	330	255	420	615	660	720									
160L				254												670	715	765									
180M		279	139.5	241	121	48		14	42.5	180		15	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		19	435	470	335	560	815	885	1000								
225M	2			311		55	110	16	49		60						18	53	250	24	490	510	370	615	820	915	1000
225M	4、6、8					845	1030																				
250M	2	406	203	349	168	65	140	58	250	24	490	510	370	615	910	980											
250M	4、6、8																457		228.5	368	190	75	20	67.5	280	550	580
280S	2	419	75	18	58	1035		1135																			
280M	4、6、8								508	254	457	216	65	140	18	58	315		28	635	645	490	800	1290	1395		
315S	2	406	190	75	140	18		58																315		28	635
315S	4.6.8.10						80		170	22	71	1208															
315M	2	457	216	65	140	18	58	315	28	635	645	490	800	1290	1395												
315M	4.6.8.10													80		170	22	71	1320								
315L	2	508	216	65	140	18	58	315	28	635	645	490	800	1290	1395												
315L	4.6.8.10													80		170	22	71	1320								
355M	2	610	305	560	254	75	140	20	67.5	355		730	710	530	880	1500											
355M	4.6.8.10															95		170	25	86	1530						
355L	2			630		75	140	20	67.5							1500											
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 according 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、皮帶輪不平穩	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 reasons 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.