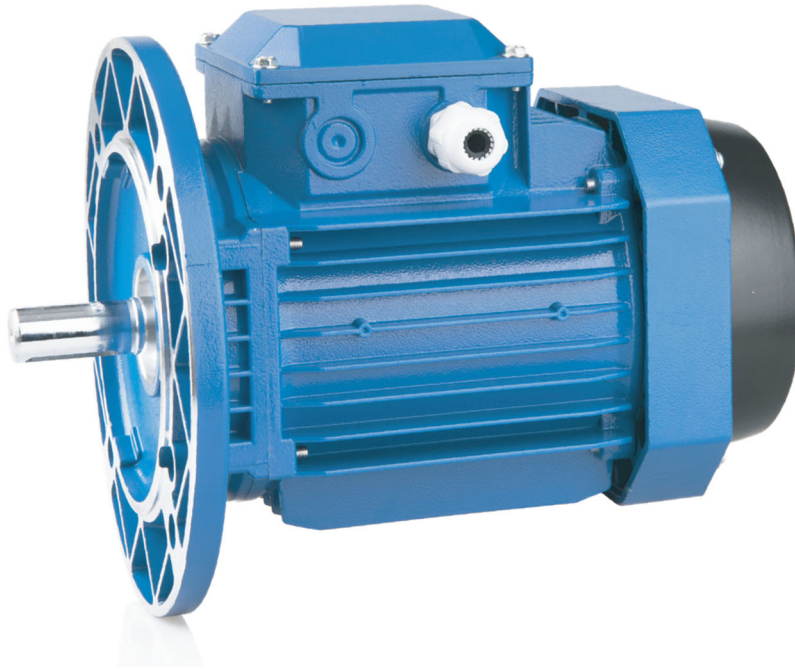




MS 铝壳

MS 系列铝壳三相异步电动机 ALUMINIUM THREE-PHASE ASYNCHRONOUS MOTOR

MS 系列铝壳三相异步电动机是Y2系列铝壳三相异步电动机的改进型产品，采用了铝合金压铸机座、端盖、接线盒、以及可拆卸式底脚，其安装尺寸与功率等级和Y2系列电机保持一致。

MS 系列铝壳三相异步电动机有如下优点：高效节能、启动转矩大、噪音低、结构合理、运行可靠、安装使用方便，同时具有更加光洁的外观、更好的散热性能以及更轻的重量。

MS 系列铝壳三相异步电动机使用条件同Y2系列电机，并按我国国家标准GB18613-2012规定的3级能效制造，等同于国际电工委员会IE2高效标准。

MS series aluminium-housing three phase asynchronous motors are developed from Y2 series three phase asynchronous motors, since aluminum-alloy material has been introduced into its housing, end shield, terminal box and removable feet, MS series aluminium-housing motors owns a beautiful appearance and a smooth surface. Despite that, dimensions and output power of MS series aluminium-housing motors are the same as those of Y2 series three phase asynchronous motors.

MS series aluminium-housing motors have lots of futures such as high efficiency and energy saving, large starting torque, excellent performance, low noise and vibration, compact structure, high reliability, easy operation and etc.

Operating conditions of MS series aluminium-housing motors are identical with Y2 series motors, while efficiency class are in line with Chinese National standard GB 18613-2012 class III, simultaneously, we supply MS series aluminium-housing motors in conformity with IE3 standard for customers.

详细说明 Details

现场条件 Site condition

MS系列电动机可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。
MS Series 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

MS 系列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。
The vibration speed grade of MS series motor accords with Class A when no-load. 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MS系列电机。
The junction box is a standard MS series motor above or to the right of the frame.

质量保证 Quality Assurance

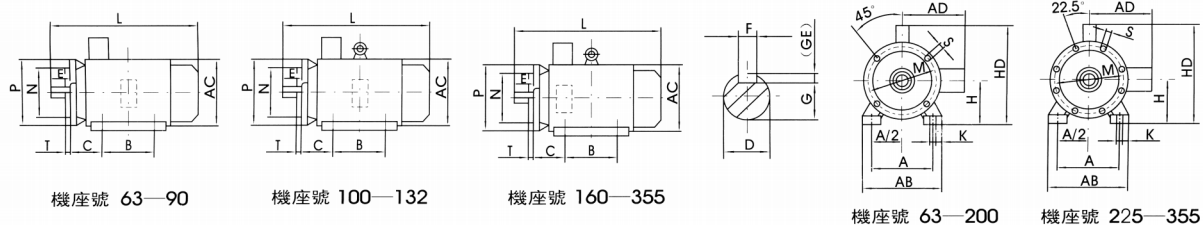
从产品设计到产品出厂，遵循ISO9001质量认证体系，严格遵守质量程序。
From the product design to the product factory, in accordance with the ISO9001 quality certification system, strict compliance with quality procedures.

技术数据 Technical data 2极、4极、5极 380V/50Hz 2pole、4pole、6pole 380V 50Hz

型号 Type	额定功率		电流 IN (A)			转速 r/min	效率 Eff η %	功率因数 P.F	额定转矩 Tn N.m	堵转转矩	最大转矩	堵转电流	惯量 10^{-3} kgm ²	重量 Kg
	KW	HP	380V	400V	415V					堵转转矩 Tst Tn	最大转矩 Tmax Tn	堵转电流 Ist In		
MS-63M1-2	0.18	0.25	0.53	0.50	0.49	2720	65.91	0.8	0.63	2.2	2.2	5.5	0.00031	—
MS-63M2-2	0.25	0.35	0.69	0.66	0.63	2720	69.7	0.81	0.88	2.2	2.2	5.5	0.00060	—
MS-71M1-2	0.37	0.5	0.99	0.94	0.91	2740	73.8	0.81	1.29	2.2	2.2	6.1	0.00075	—
MS-71M2-2	0.55	0.75	1.40	1.33	1.28	2740	77.8	0.82	1.92	2.2	2.3	6.1	0.00090	—
MS-80M1-2	0.75	1.0	1.77	0.68	1.62	2830	80.7	0.83	2.53	2.2	2.3	6.1	0.00120	15
MS-80M2-2	1.1	1.5	2.50	2.38	2.29	2830	82.7	0.84	3.71	2.2	2.3	7.0	0.00140	16.5
MS-90S-2	1.5	2.0	3.34	3.17	3.06	2840	84.2	0.84	5.04	2.2	2.3	7.0	0.00290	20
MS-90L-2	2.2	3.0	4.73	4.49	4.33	2840	85.9	0.85	7.40	2.2	2.3	7.0	0.00550	24
MS-100L-2	3.0	4.0	6.19	5.88	5.67	2870	87.1	0.87	9.98	2.2	2.3	7.5	0.01090	31
MS-112M-2	4.0	5.5	8.05	7.65	7.37	2890	88.1	0.88	13.22	2.2	2.3	7.5	0.01260	38
MS-132S1-2	5.5	7.5	10.9	10.4	10.0	2900	89.2	0.88	18.11	2.2	2.3	7.5	0.03770	58
MS-132S2-2	7.5	10	14.7	14.0	13.5	2900	90.1	0.88	24.70	2.2	2.3	7.5	0.04990	62
MS-132M-2	9	12	17.6	16.6	16.0	2930	90.6	0.88	29.6	2.2	2.3	7.5	0.0510	—
MS-160M1-2	11	15	21	20.0	19.2	2930	91.2	0.89	35.85	2.2	2.3	7.5	0.05500	103
MS-160M2-2	15	20	28.4	27.0	26.0	2930	91.9	0.89	48.89	2.2	2.3	7.5	0.07500	112
MS-160L-2	18.5	25	34.4	32.7	31.5	1310	92.4	0.90	60.30	2.2	2.3	7.5	0.12400	135
MS-63M1-4	0.12	0.18	0.44	0.42	0.40	1310	64.8	0.72	0.87	2.1	2.3	4.4	0.00050	—
MS-63M2-4	0.18	0.25	0.62	0.59	0.57	1330	69.9	0.73	1.31	2.1	2.2	4.4	0.00060	—
MS-71M1-4	0.25	0.35	0.79	0.75	0.72	1330	73.5	0.74	1.80	2.1	2.2	5.2	0.00080	—
MS-71M2-4	0.37	0.5	1.12	1.06	1.03	1390	77.3	0.75	2.66	2.1	2.2	5.5	0.00130	—
MS-80M1-4	0.55	0.75	1.57	1.49	1.44	1390	80.8	0.75	3.78	2.4	2.2	5.2	0.00180	14.5
MS-80M2-4	0.75	1	1.88	1.79	1.72	1400	82.5	0.76	5.15	2.3	2.3	6.0	0.00210	15
MS-90S-4	1.1	1.5	2.67	2.54	2.44	1400	84.1	0.77	7.5	2.3	2.3	6.0	0.00230	19
MS-90L-4	1.5	2	3.48	3.31	3.19	1430	85.3	0.79	10.23	2.3	2.3	6.0	0.00270	23
MS-100L1-4	2.2	3	4.9	4.65	4.49	1430	86.7	0.81	14.69	2.3	2.3	7.0	0.00540	30
MS-100L2-4	3	4	6.5	6.18	5.95	140	87.7	0.82	20.03	2.3	2.3	7.0	0.00670	33
MS-112M-4	4	5.5	8.56	8.13	7.84	1440	88.6	0.82	26.53	2.3	2.3	7.0	0.00950	43
MS-132S-4	5.5	7.5	11.5	10.9	10.5	1440	89.6	0.83	36.48	2.3	2.3	7.0	0.02140	60
MS-132M-4	7.5	10	15.3	14.5	14.0	1440	90.4	0.84	49.74	2.3	2.3	7.0	0.02960	69
MS-132M1-4	9	12	18.3	17.4	16.8	1460	91.0	0.84	59.69	2.3	2.3	7.0	0.03806	—
MS-160M1-4	11	15	22.2	21.1	20.3	1460	91.4	0.84	71.95	2.3	2.3	7.0	0.07470	—
MS-160L-4	15	20	29.6	28.1	27.1	1460	92.1	0.85	98.12	2.2	2.3	7.5	0.09180	130
MS-63M1-6	0.09	0.12	0.52	0.49	0.48	840	48.0	0.60	1.02	2.2	2.3	3.5	0.00025	—
MS-63M2-6	0.12	0.18	0.63	0.60	0.58	840	57.7	0.60	1.36	1.8	1.9	3.5	0.00040	—
MS-71M1-6	0.18	0.25	0.74	0.70	0.68	850	63.9	0.66	2.02	1.8	1.9	4.0	0.00110	—
MS-71M2-6	0.25	0.37	0.95	0.90	0.87	850	68.6	0.68	2.81	1.9	2.0	4.0	0.00140	—
MS-80M1-6	0.37	0.5	1.3	1.24	1.19	890	73.5	0.70	3.97	1.9	2.0	4.7	0.00160	15.5
MS-80M2-6	0.55	0.75	1.79	1.70	1.64	890	77.2	0.72	5.90	1.9	2.0	4.7	0.00190	16.5
MS-90S-6	0.75	1	2.09	1.99	1.91	910	78.9	0.72	7.87	1.9	2.1	5.5	0.00290	20
MS-90L-6	1.1	1.5	2.93	2.78	2.68	910	81.0	0.73	11.54	2.0	2.1	5.5	0.00350	24
MS-100L-6	1.5	2	3.81	3.62	3.49	940	82.5	0.75	15.24	2.0	2.1	5.5	0.00690	29
MS-112M-6	2.2	3	5.38	5.11	4.93	940	84.3	0.76	22.35	2.0	2.1	6.5	0.01400	37
MS-132S-6	3	4	7.2	6.84	6.59	960	85.6	0.76	29.84	2.1	2.1	6.5	0.02860	53
MS-132M1-6	4	5.5	9.45	8.98	8.65	960	86.8	0.76	39.79	2.1	2.1	6.5	0.03570	64
MS-132M2-6	5.5	7.5	12.0	11.50	11.00	960	88.0	0.77	54.71	2.1	2.1	6.5	0.04490	72
MS-160M-6	7.5	10	17	16.2	15.60	970	89.1	0.77	73.84	2.0	2.1	6.5	0.08100	97
MS-160L-6	11	15	24.2	23.0	22.20	970	90.3	0.78	108.30	2.0	2.1	6.5	0.11600	126

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

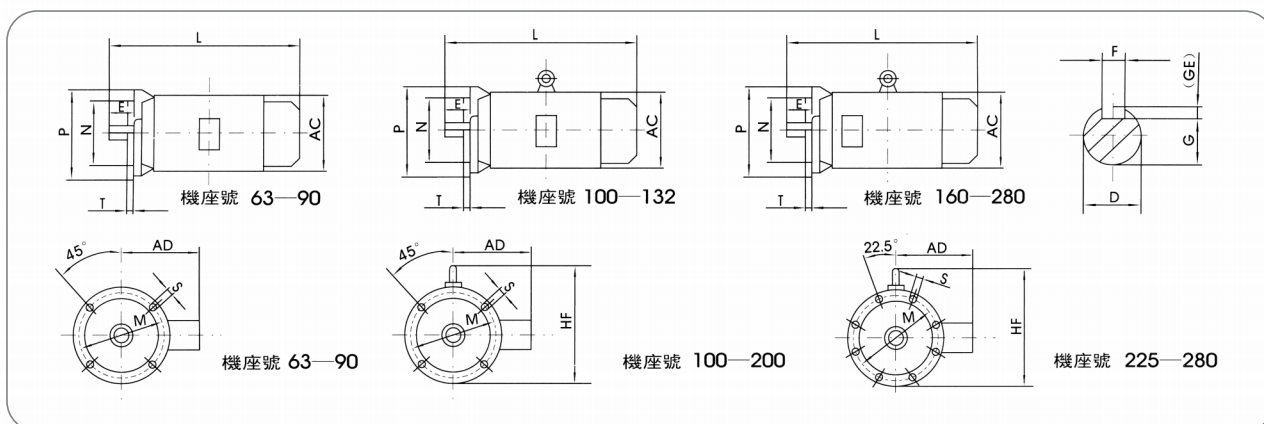
Frame with foot end, shield with flange(with through hole)

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 Range holes YE1, YD2	AB	AC	AD	HD	L		
																								YE1, 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				180	195	155	250	320	380	420
90L				125					8															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		216	108	140	89	38	80	10	33	132	12	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		318	159	305	133	55		16	49	200		350	300	400					395	420	305	505	770	850	900
225S	FF400	4、8			286		60	140	18	53		19												815	885	1000
225M		2	356	178		149	55	110	16	49	225		400	350	450		19	5		435	470	335	560	820	915	1000
		4、6、8			311		60									0								845		1030
250M	FF500	2	406	203	349	168			18		250									490	510	370	615	910	980	
280S		4、6、8					65			58		24	500	450	550											
		2			368		75	140	20	67.5											550	580	410	680	985	1085
280M		4、6、8	457	228.5		190	65		18	58	280													1035	1135	
	4、6、8			419		75		20	67.5																	
315S	FF600	2			406		65		18	58								8					1178	1285	／	
315M		4、6、8、10					80	170	22	71													1208			
		2	508	254	457	216	65	140	18	58	315		600	550	660					635	645	490	800	1290	1395	／
315L		4、6、8、10					80	170	22	71														1320		
	2			508		65	140	18	58		28												1290			
355M	FF740	4、6、8、10					80	170	22	71														1320		
		2					75	140	20	67.5	355		740	680	800								1500		／	
355L		4、6、8、10	610	305		254	95	170	25	86													1530			
		2			630		75	140	20	67.5														1500		
		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

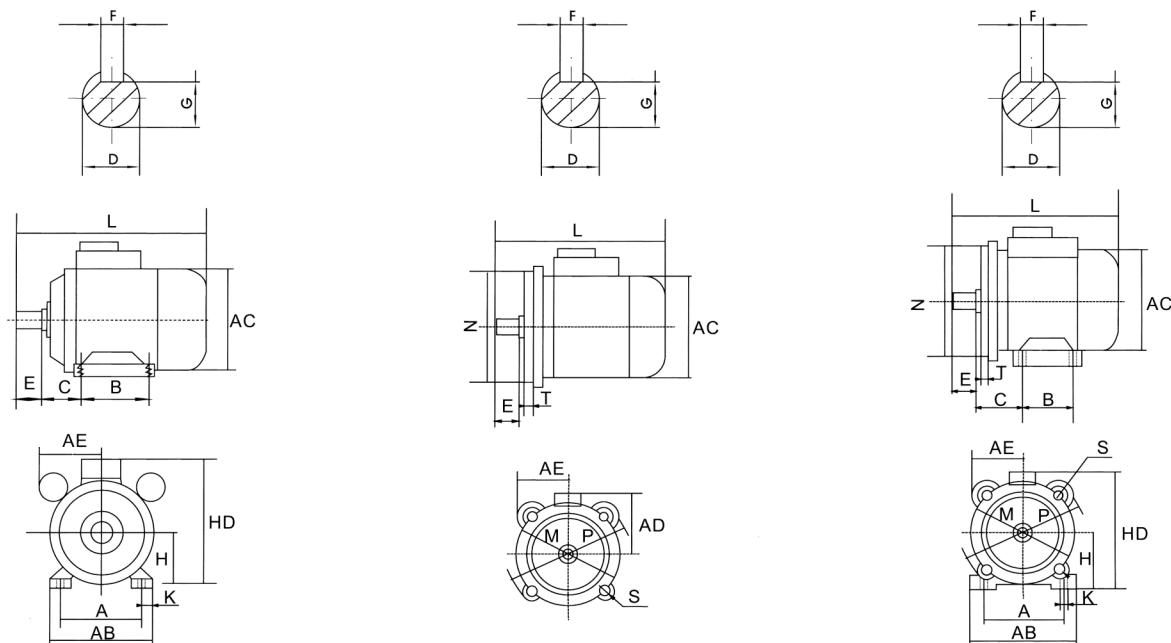


单位: mm

机座号 Frame size	凸缘号 Flange size	极数 Poles	安 装 尺 寸 Fixing Measurement											凸缘孔数 Flange holes	外 形 尺 寸 Figure size														
			D	E	F	G	M	N	P	R	S	T	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	15		4	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						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		19	5	8	420	305	480	770	850	900										
225S	FF400	4、8	60	140	18	53	400	350	450					470	335	535	815	880	1000										
225M		2	55	110	16	49											820	915	1000										
		4、6、8	60	140	18	53																							
250M	2	58				500												450	510	370	595	910	980	／					
	4、6、8					65	58																						
	2					75	20																						
280S	4、6、8	75				67.5												580	410	650	985	1085							
	2	65				18															1035	1135							
280M	4、6、8	75				20																							

附录 VI - YL系列单相双值电容异步电动机

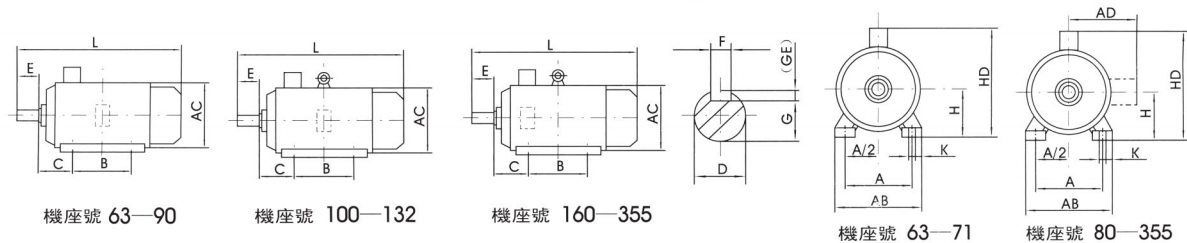
Appendix VI-YL series single-phase dual-value Capacitor Induction Motors



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

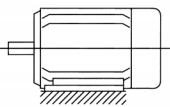
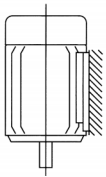
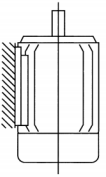
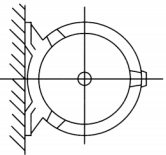
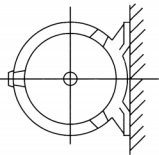
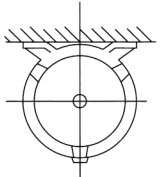
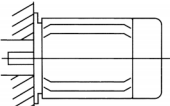
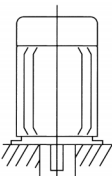
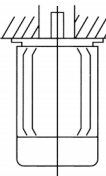
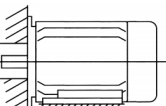
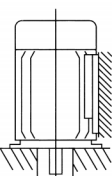
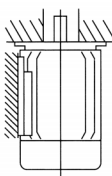
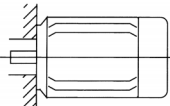
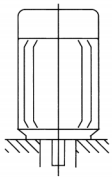
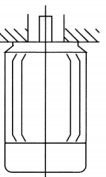
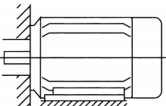
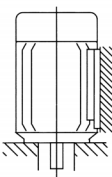
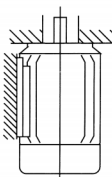
附录 I - YX3、YE3、YD2、YEJ2、YVF2系列电动机外形及安装尺寸



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、YE3、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	112	12	205	215	180	270	385	465	480	
112M		190	95	140	70							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	18	53	225	19	435	470	335	560	815
225M	2			311		55	110	16	49	53	845	820							915
	4、6、8	60	18	58	250	24	490	510	370			615	910	980	/				
250M	2	406								203	349					168	65	140	20
280S	2	457	228.5	368	190	75	20	58	280	24	550	580	410	680	1035	1135			
280M	4、6、8			419		75									20	67.5	1035	1135	
	2			419		75									20	67.5			
315S	2			508		254									406	216	65	216	18
315M	4、6.8.10	80	170		22		71	1208											
	2	65	140		18		58	1290											
315L	4、6.8.10	65	140		18		58	1290	1395										
	2	80	170		22		71	1320											
355M	2	610	305		560		254	75	140	20	67.5	355		730	710		530		880
355L	4、6.8.10			95	170	25		86	1530										
	2			630	75	140		20	67.5	1500									
	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，但在負載增加後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。 檢查空氣隙偏心率。
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“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。

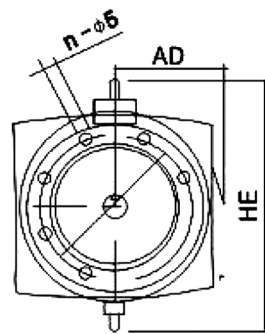
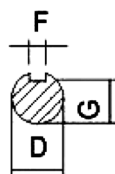
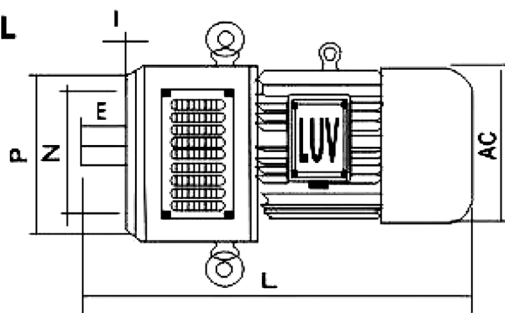
注：電動機的故障及產生的故障的原因很多，有時一個故障可能有幾個原因，一個原因也可以產生幾種故障，上表所列僅為常見的幾種，在檢查如發生疑問可參閱有關檢修維護書或與製造廠聯系。

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 problem, sometimes one reason might come several problems. These listed in the table are just those frequent appeared, please don't hesitate to contact us while in need.

型号 Type	安 装 尺 寸 Installation dimensions									外形尺寸 External dimensions				
	A	WB	WC	E	H	D	F	G	K	AB	AC	AD	HD	L
YCT112-4A	190	210	40	40	112	19	6	15.5	12	240	260	150	280	520
YCT112-4B				50	132	24	8	20		285	310	165	330	570
YCT132-4A	216	241	45	60	160	28		24	15	330	350	185	385	585
YCT132-4B				180	180	28		24		365	385	195	430	665
YCT160-4A	254	267	50	80	200	38	10	33	19	410	430	235	485	700
YCT160-4B	279	305		80	200	38	10	33		465	485	270	545	820
YCT180-4A	318	356	56	110	225	42	12	37	24	520	540	295	595	860
YCT180-4B	356	406			250	48	14	42.5		575	595	320	665	980
YCT200-4A	406	457	70	140	280	55	16	49	28	645	670	345	770	1025
YCT200-4B	457	508			315	60	18	53		755	780	420	890	1130
YCT225-4A	508	560	89	140	355	65	20	67.5	28	820	840	485	980	1170
YCT225-4B	560	610			355	75	20	67.5		890	910	545	1025	1280
YCT250-4A	610	630	108	140	355	75	20	67.5	28	980	1000	595	1130	1400
YCT250-4B	630	650			355	75	20	67.5		1025	1045	620	1170	1425
YCT280-4A	650	670	108	140	355	75	20	67.5	28	1045	1065	620	1170	1550
YCT280-4B	670	690			355	75	20	67.5		1065	1085	642	1170	1630
YCT315-4A	690	710	108	140	355	75	20	67.5	28	1085	1105	642	1170	1680
YCT315-4B	710	730			355	75	20	67.5		1105	1125	665	1170	1680
YCT355-4A	730	750	108	140	355	75	20	67.5	28	1125	1145	665	1170	1680
YCT355-4B	750	770			355	75	20	67.5		1145	1165	688	1170	1680
YCT355-4C	770	790	108	140	355	75	20	67.5	28	1165	1185	710	1170	1680
YCT355-4D	790	810			355	75	20	67.5		1185	1205	732	1170	1680

YCTL



型号 Type	安 装 尺 寸 Installation dimensions										外形尺寸 External dimensions			
	D	E	F	G	M	N	P	n	S	T	AC/2	AD	HD	L
YCT112-4A	19	40	6	15.5	215	180	250	4	15	4	125	150	333	515
YCT112-4B				20							142	155	391	580
YCT132-4A	24	50	8	24	265	230	300	6	15	4	165	185	445	620
YCT132-4B				24							180	190	485	670
YCT160-4A	28	60	10	33	300	250	350	6	15	4	205	210	530	840
YCT160-4B											225	255	582	970
YCT180-4A	38	80	40	37	350	300	400	6	15	4	250	285	642	1170
YCT180-4B											286	320	740	1270
YCT200-4A	42	110	12	42.5	400	350	450	8	19	5	250	285	642	1170
YCT200-4B											286	320	740	1270
YCT225-4A	48	110	14	49	450	400	500	8	19	5	286	320	740	1270
YCT225-4B											320	355	840	1370
YCT250-4A	55	110	16	55	500	450	550	8	19	5	320	355	840	1370
YCT250-4B											355	390	890	1470
YCT280-4A	65	110	16	55	500	450	550	8	19	5	355	390	890	1470
YCT280-4B											390	425	940	1570