



YEJ/YDEJ

YEJ/YDEJ 系列电磁制动三相异步电动机 ELECTROMAGNETIC BRAKE THREE-PHASE ASYNCHRONOUS MOTOR

YEJ/YDEJ 系列电磁制动电动机是YEJ系列的改进产品,符合国家标准JB/T6456-2010要求,电气性能满足YE 系列电机技术标准。

该系列制动电动机是在电机非拖动轴端装有电磁制动器,当电机失电时,电磁制动器的制动盘自动与电机后盖压合,产生摩擦制动力矩,使电机停转,空载制动时间随机座号由小到大,为0.15~0.45S。制动器电源必须拖动电机。电源同步进行。YEJ 系列电机广泛应用于机械加工机床和输送机械及包装、木工、食品、化工、纺织、建筑、商店、卷门等机械作为驱动力。

YEJ series electromagnetic brake three-phase asynchronous motors are improved products of YEJ series, it is in accordance with JB/T6456-2010 requirements, and its electrical performance is in accord with YE series technical standard. The electric power of the controller should be synchronized with the electric power of the motor.

The electric motors are equipped the electromagnetic brake on the non-shaft end, when electricity off, retarding disc will automatically press in end-shield which produce friction brake torque and stop the running of motor, the no-load brake duration is changed with the frame size of the motor, the range is 0.15-0.45 seconds. This kind of motor is considered as the driving force of various machinery and widely used in mechanical workout machine tool, transport machinery, package, woodworking, food, chemical engineering, textile, construction, shop, roll door machinery.

产品相关参数:

机座中心高:63~160mm
控制器电源:机座中心高 $H \leq 100$ mm, 交流220V (整流后99V)
机座中心高: $H \geq 112$ mm, 交流380V (整流后170V)
功率范围:0.12 ~ 45kW
额定电压:380V (其他电压需另订协议)
额定频率:50Hz (或60Hz)
防护等级:IP54 (或IP55)
绝缘等级:B/F级
工作制:S1

Technical Data:

Centre height of frame:63~160mm
Controller's power:
centre height of frame: ≤ 100 mm, AC220V
(after commutate 99V)
centre height of frame: ≥ 112 mm, AC380V
(after commutate 170V)
Power range:0.12~45kW
Rated voltage:380V or order
Rated frequency:50Hz or 60Hz
Protection class: IP54 (or IP55)
Insulation class:B/F Duty type:SI



性能数据 Performance Data

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

型号 Type	功率 kW	转速 r/min	电流 A	效率 Eff η%	功率因数 P.F	静制 动力矩 (Nm)	空载制 动时间 (S)	励磁 功率 (W)	堵转电流 额定电流 $\frac{I_{st}}{I_n}$	堵转转矩 额定转矩 $\frac{T_{st}}{T_n}$	最大转矩 额定转矩 $\frac{T_{max}}{T_n}$	重量 (kg)
同步转速 3000r/min												
YEJ 631-2	0.18	2720	0.53	65.9	0.80	4	0.20	18	5.5	2.2	2.2	12
YEJ 632-2	0.25	2720	0.69	69.7	0.81	4	0.20	18	5.5	2.2	2.2	13
YEJ 711-2	0.37	2740	0.99	73.8	0.81	4	0.20	18	6.1	2.2	2.2	14
YEJ 712-2	0.55	2740	1.40	77.8	0.82	4	0.20	18	6.1	2.2	2.3	15
YEJ 801-2	0.75	2845	1.83	80.7	0.83	7.5	0.20	30	6.1	2.2	2.3	17
YEJ 802-2	1.1	2840	2.58	82.7	0.84	7.5	0.20	30	7.0	2.2	2.3	18
YEJ 90S-2	1.5	2840	3.43	84.2	0.84	15	0.20	50	7.0	2.2	2.3	23
YEJ 90L-2	2.2	2840	4.85	85.9	0.85	15	0.20	50	7.0	2.2	2.3	26
YEJ 100L-2	3.0	2860	6.31	87.1	0.87	30	0.20	65	7.5	2.2	2.3	37
YEJ 112M-2	4.0	2880	8.10	88.1	0.88	40	0.25	90	7.5	2.2	2.3	45
YEJ 132S1-2	5.5	2900	11.0	89.2	0.88	75	0.25	90	7.5	2.2	2.3	59
YEJ 132S2-2	7.5	2900	14.9	90.1	0.88	75	0.25	90	7.5	2.2	2.3	72
YEJ 160M1-2	11	2030	21.3	91.2	0.89	150	0.35	150	7.5	2.2	2.3	120
YEJ 160M2-2	15	2930	28.8	91.9	0.89	150	0.35	150	7.5	2.2	2.3	130
YEJ 160L-2	18.5	2930	34.7	92.4	0.90	150	0.35	150	7.5	2.2	2.3	149

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

性能数据 Performance Data

型号 Type	功率 kW	转速 r/min	电流 A	效率 Eff η%	功率因数 P.F	静制 动力矩 (Nm)	空载制 动时间 (S)	励磁 功率 (W)	堵转电流 额定电流 $\frac{I_{st}}{I_n}$	堵转转矩 额定转矩 $\frac{T_{st}}{T_n}$	最大转矩 额定转矩 $\frac{T_{max}}{T_n}$	重量 (kg)
同步转速 1500r/min												
YEJ 631-4	0.12	1310	0.44	64.8	0.72	4	0.20	18	4.4	2.1	2.2	13
YEJ 632-4	0.18	1310	0.62	69.9	0.73	4	0.20	18	4.4	2.1	2.2	14
YEJ 711-4	0.25	1330	0.79	73.5	0.74	4	0.20	18	5.2	2.1	2.2	15
YEJ 712-4	0.37	1330	1.12	77.3	0.75	4	0.20	18	5.2	2.1	2.2	16
YEJ 801-4	0.55	1390	1.57	80.8	0.75	7.5	0.20	30	5.2	2.4	2.3	17
YEJ 802-4	0.75	1380	2.03	82.5	0.76	7.5	0.20	30	6.0	2.3	2.3	18
YEJ 90S-4	1.1	1390	0.89	84.1	0.77	15	0.20	50	6.0	2.3	2.3	22
YEJ 90L-4	1.5	1390	3.70	85.3	0.79	15	0.20	50	6.0	2.3	2.3	27
YEJ 100L1-4	2.2	1410	5.16	86.7	0.81	30	0.20	65	7.0	2.3	2.3	34
YEJ 100L2-4	3.0	1410	6.78	87.7	0.82	30	0.20	65	7.0	2.3	2.3	38
YEJ 112M-4	4.0	1435	8.80	88.6	0.82	40	0.25	90	7.0	2.3	2.3	48
YEJ 132S-4	5.5	1440	11.7	89.6	0.83	75	0.25	90	7.0	2.3	2.3	71
YEJ 132M-4	7.5	1440	15.6	90.4	0.84	75	0.25	90	7.0	2.3	2.3	83
YEJ 160M-4	11	1460	22.3	91.4	0.84	150	0.35	150	7.0	2.2	2.3	128
YEJ 160L-4	15	1460	30.1	92.1	0.85	150	0.35	150	7.5	2.2	2.3	142



性能数据 Performance Data

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

型号 Type	功率 kW	转速 r/min	电流 A	效率 Eff η%	功率因数 P.F	静制 动力矩 (Nm)	空载制 动时间 (S)	励磁 功率 (W)	堵转电流 额定电流 $\frac{I_{st}}{I_n}$	堵转转矩 额定转矩 $\frac{T_{st}}{T_n}$	最大转矩 额定转矩 $\frac{T_{max}}{T_n}$	重量 (kg)
同步转速 1000r/min												
YEJ 711-6	0.18	850	0.74	63.9	0.66	4	0.20	18	4.0	1.9	2.0	9.5
YEJ 712-6	0.25	850	0.95	68.6	0.68	4	0.20	18	4.0	1.9	2.0	11
YEJ 801-6	0.37	885	1.30	73.5	0.70	7.5	0.20	30	4.7	1.9	2.0	17
YEJ 802-6	0.55	885	1.79	77.2	0.72	7.5	0.20	30	4.7	1.9	2.1	19
YEJ 90S-6	0.75	910	2.29	78.9	0.72	15	0.20	50	5.5	2.0	2.1	22
YEJ 90L-6	1.1	910	3.18	81.0	0.73	15	0.20	50	5.5	2.0	2.1	28
YEJ 100L-6	1.5	920	3.94	82.5	0.75	30	0.20	65	5.5	2.0	2.1	34
YEJ 112M-6	2.2	935	5.60	84.3	0.76	40	0.25	90	6.5	2.0	2.1	42
YEJ 132S-6	3.0	960	7.40	85.6	0.76	75	0.25	90	6.5	2.1	2.1	68
YEJ 132M1-6	4.0	960	9.80	86.8	0.76	75	0.25	90	6.5	2.1	2.1	79
YEJ 132M2-6	5.5	960	12.9	88.0	0.77	75	0.25	90	6.5	2.1	2.1	87
YEJ 160M-6	7.5	970	17.0	89.1	0.77	150	0.35	150	6.5	2.0	2.1	122
YEJ 160L-6	11	970	24.2	90.3	0.78	150	0.35	150	6.5	2.0	2.1	141

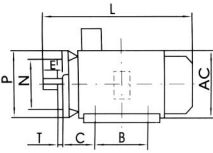
Rated Voltage: 380V FUNDAMENTAL FREQUENCY: 50HZ
额定电压：380V 基频：50HZ

性能数据 Performance Data

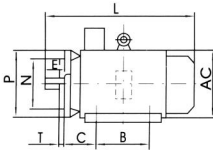
型号 Type	功率 kW	转速 r/min	电流 A	效率 Eff η%	功率因数 P.F	静制 动力矩 (Nm)	空载制 动时间 (S)	励磁 功率 (W)	堵转电流 额定电流 $\frac{I_{st}}{I_n}$	堵转转矩 额定转矩 $\frac{T_{st}}{T_n}$	最大转矩 额定转矩 $\frac{T_{max}}{T_n}$	重量 (kg)
同步转速 750r/min												
YEJ 801-8	0.18	645	0.88	58.7	0.61	7.5	0.20	30	3.3	1.8	1.9	17
YEJ 802-8	0.25	645	1.15	64.1	0.61	7.5	0.20	30	3.3	1.8	1.9	19
YEJ 90S-8	0.37	670	1.49	69.3	0.61	15	0.20	50	4.0	1.8	1.9	23
YEJ 90L-8	0.55	680	2.18	73.0	0.61	15	0.20	50	4.0	1.8	2.0	25
YEJ 100L1-8	0.75	680	2.17	75.0	0.67	30	0.20	65	4.0	1.8	2.0	33
YEJ 100L2-8	1.1	680	2.39	77.7	0.69	30	0.20	65	5.0	1.8	2.0	38
YEJ 112M-8	1.5	690	4.50	79.7	0.69	40	0.25	90	5.0	1.8	2.0	50
YEJ 132S-8	2.2	705	6.00	81.9	0.71	75	0.25	90	6.0	1.8	2.0	63
YEJ 132M-8	3.0	705	7.90	83.5	0.73	75	0.25	90	6.0	1.8	2.0	79
YEJ 160M1-8	4.0	720	10.3	84.8	0.73	150	0.35	150	6.0	1.9	2.0	118
YEJ 160M2-8	5.5	720	13.6	86.2	0.74	150	0.35	150	6.0	2.0	2.0	119
YEJ 160L-8	7.5	720	17.8	87.3	0.75	150	0.35	150	6.0	2.0	2.0	145

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

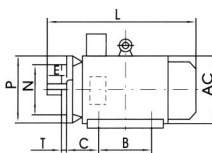
Appendix II-YX3、YE3、YD2、YEJ2、YVF2 series motor shapes and installation dimensions



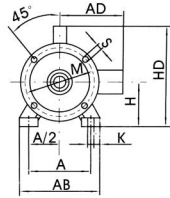
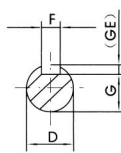
機座號 63—90



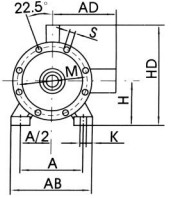
機座號 100—132



機座號 160—355



機座號 63—200



機座號 225—355

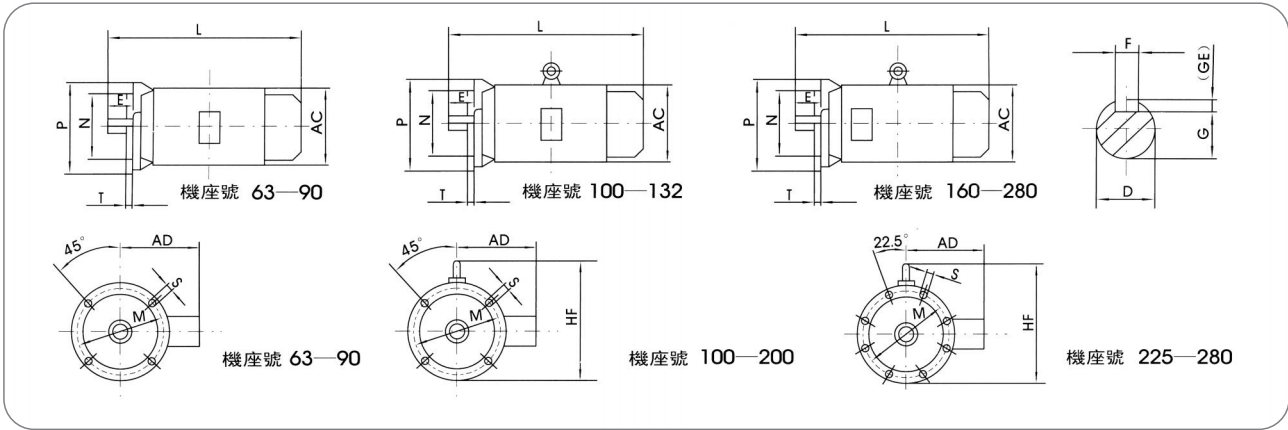
機座帶底脚，端蓋上有凸緣(帶通孔)的電動機

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	凸緣孔數 Flange holes	AB	AC	AD	HD	L					
			YE2、YE3、YE32	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	8	20	90		180	195	155					250	320	380	420						
90L					125								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	63	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	110	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	14	42.5	180											355	380	280	455	700	775	825			
180L				279																									740
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										0	19	5						815
225M		2	356	178		149	55	110	16	49		225	400	350	450	435	470	335	560	820					915	1000			
		4、6、8			311																				845		1030		
250M	FF500	2	406	203	349	168				53	250									490	510	370	615	910	980	/			
		4、6、8							18																				
280S		2				368	190		140		58	24	500	450	550									985	1085				
		4、6、8	457	228.5		75			20	67.5	280																		
280M	2				419			65		18	58	28									550	580	410	680	1035	1135			
	4、6、8						75		20	67.5																			
315S	FF600	2			406		65		18	58	315													1178	1285	/			
		4、6、8、10						80	170	22		71																	1208
315M		2	508	254	457	216		65	140	18	58	28	600	550	660					635	645	490	800	1290	1395				
		4、6、8、10						80	170	22	71																		
315L	FF600	2			508		65	140	18	58	355													1290	/				
		4、6、8、10						80	170	22		71																	1320
355M		FF740	2			560		75	140	20	67.5	355														1500	/		
			4、6、8、10	610	305		254		95	170	25		86	740	680	800													
355L	2					630		75	140	20	67.5																		
		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

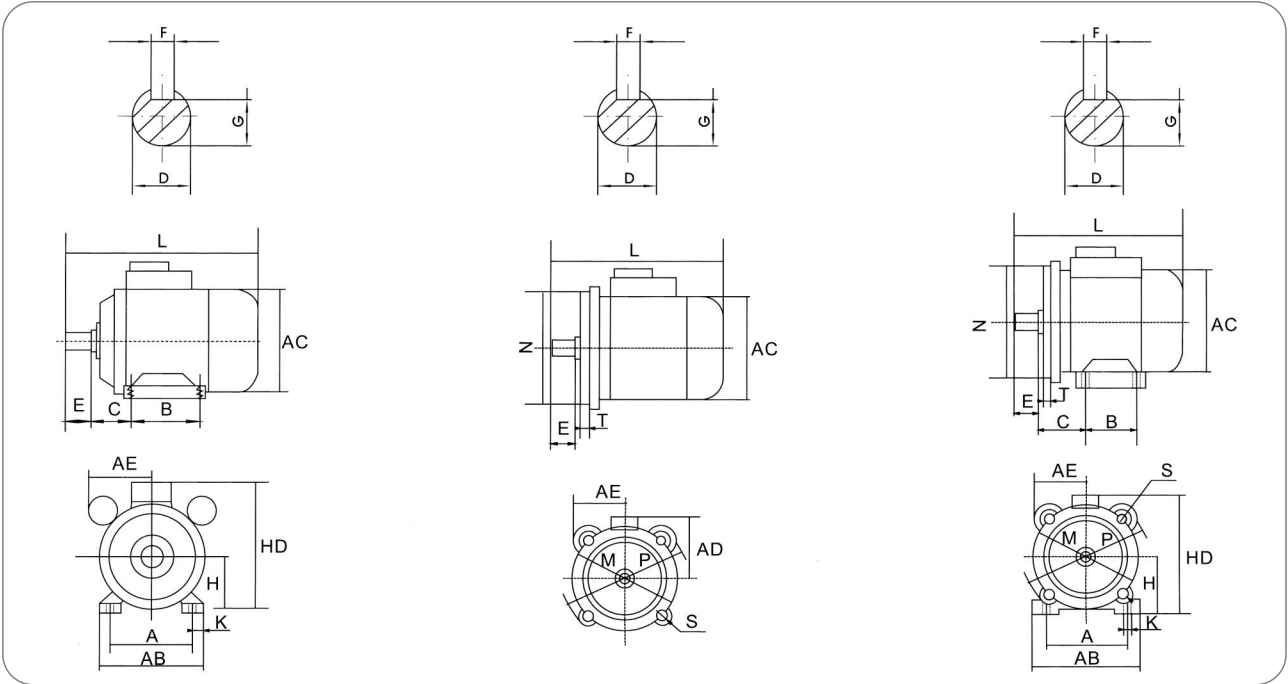


单位: mm

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		12	3.5		175	145	185	295	370	390				
90S			24	50	8	20								320	380	420							
90L														195	155	195	345	410	445				
100L	FF215		28	60		24	215	180	250		15	4	4	215	180	245	385	465	480				
112M														240	190	265	400	480	570				
132S	FF265		38	80	10	33	265	230	300					275	210	315	470	530	585				
132M														510	570	625							
160M	FF300		42	110	12	37	300	250	350	0				330	255	385	615	660	720				
160L														670	715	765							
180M			48		14	42.5	350							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	500							510	370	595	910			980	/		
250M	2	65															58	550					580
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

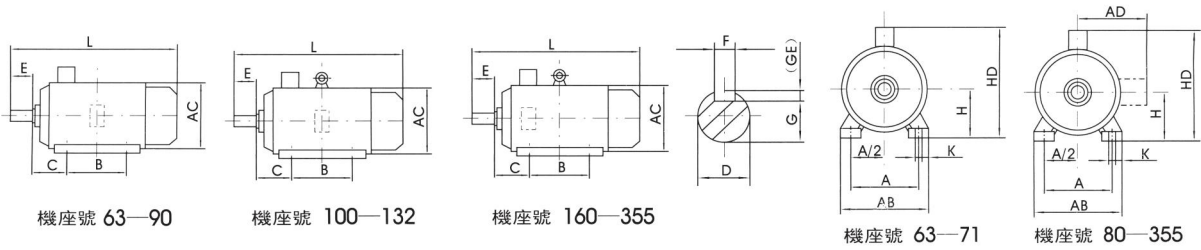
Appendix VI- YL series single-phase dual-value Capacitor Induction Motors



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

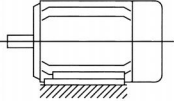
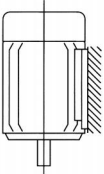
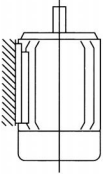
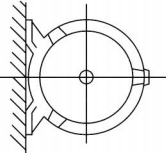
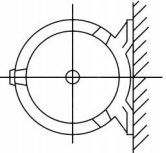
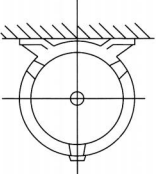
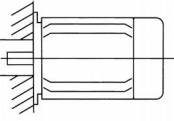
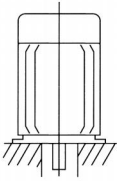
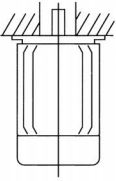
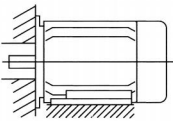
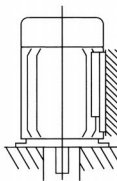
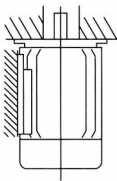
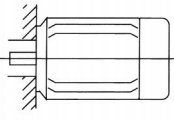
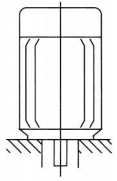
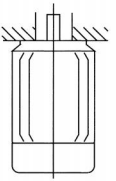
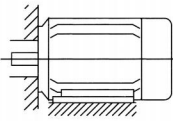
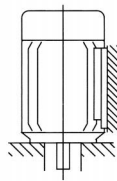
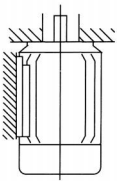
附录 I-YX3、YE3、YD2、YEJ2、YVF2系列电动机外形及安装尺寸



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		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	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
	4、6、8			845		1030																					
250M	2	406	203	349	168	65	140	18	58	250	24	490	510	370	615	910	980	/									
4、6、8	280S															2	457		228.5	368	190	75	20	67.5	280	550	580
280M	2	419	75	18	58	1035		1135																			
4、6、8	2								419	75	20	67.5															
315S	2	508	254	406	216	65	170	22	71	315	28	635	645	490	800	1178	1380		/								
4、6.8.10	80					170		22	71							1208											
315M	2			457		65	140	18	58							1290	1395										
4、6.8.10	80						170	22	71							1320											
315L	2	508	65	140	18	58	1290	1395																			
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	/										
4、6.8.10	95					170	25	86	1530																		
355L	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 might came several problem.These listed in the table are just those frequent appeared,please don't hesitate to contact us while in need.