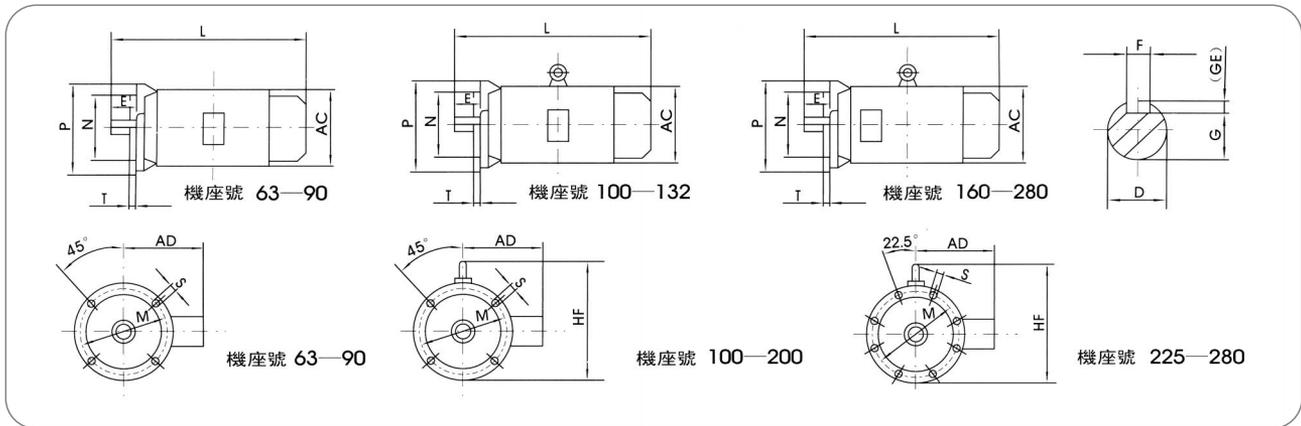




**附录 III - YX3、YE3、YD2、YEJ2、YVF2系列电动机外形及安装尺寸**

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

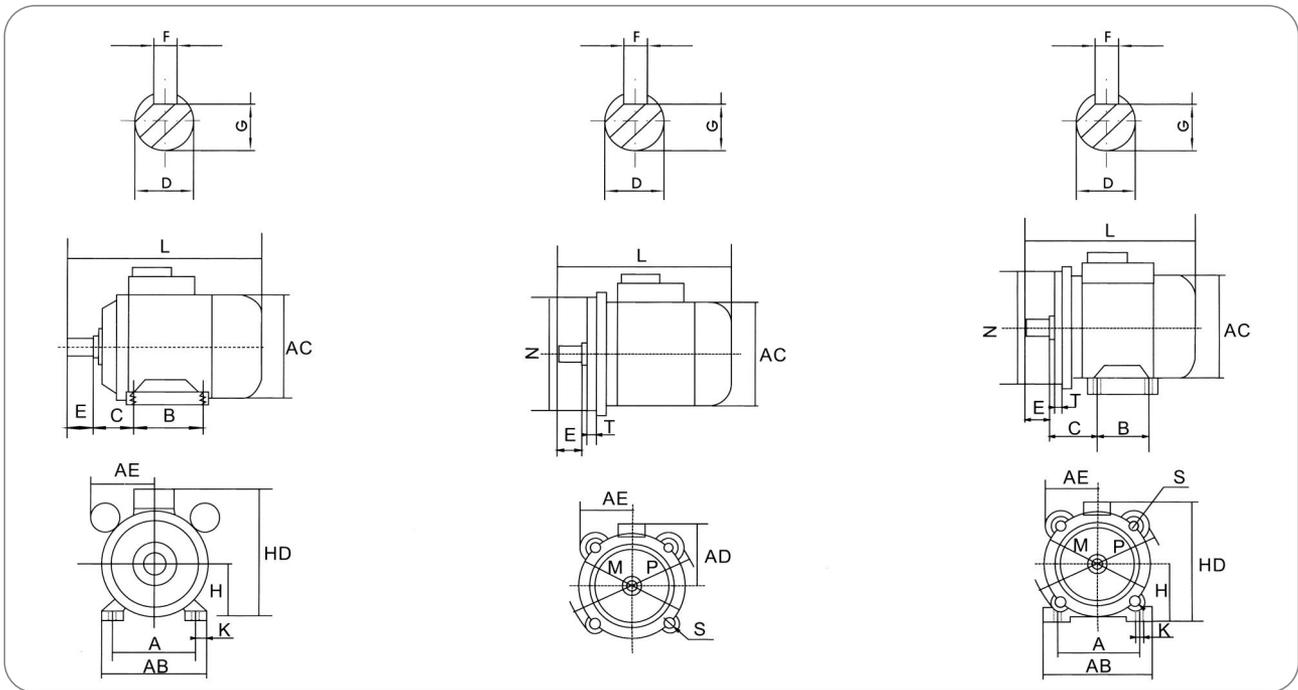


单位: mm

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	0	10	3	130	70	130	230	/	/		
71M	FF130	2、4、6	14	30	5	11	130	110	160										145	80
80M	FF165	2、4、6、8	19	40	6	15.5	165	130	200	12	3.5	4	175	145	185	295	370	390		
90S			24	50	20	320													380	420
90L			345	410	445															
100L	FF215	2、4、6、8	28	60	8	24	215	180	250	15	4	4	215	180	245	385	465	480		
112M			240	190	265	400	480	570												
132S	FF265	2、4、6、8	38	80	10	33	265	230	300	15	4	4	275	210	315	470	530	585		
132M			510	570	625															
160M	FF300	2、4、6、8	42	110	12	37	300	250	350	0	19	5	330	255	385	615	660	720		
160L			670		715	765														
180M			380		280	430													700	775
180L	740	815	875																	
200L	FF350	2、4、6、8	55	110	16	49	350	300	400	19	5	420	305	480	770	850	900			
225S	4、8	60	140	18	53	400	350	450	815									880	1000	
225M	2	55	110	16	49					470	335	535	820	915	1000					
		4、6、8	60	140	18	53	500	450	550	19	5	8	510	370	595	910	980	/		
250M	2	65	58																845	1030
280S	2	75	20																67.5	985
280M	2	65	18	58	580	410	650	1035	1135											
	4、6、8	75	20	67.5																

附录 VI - YL系列单相双值电容异步电动机

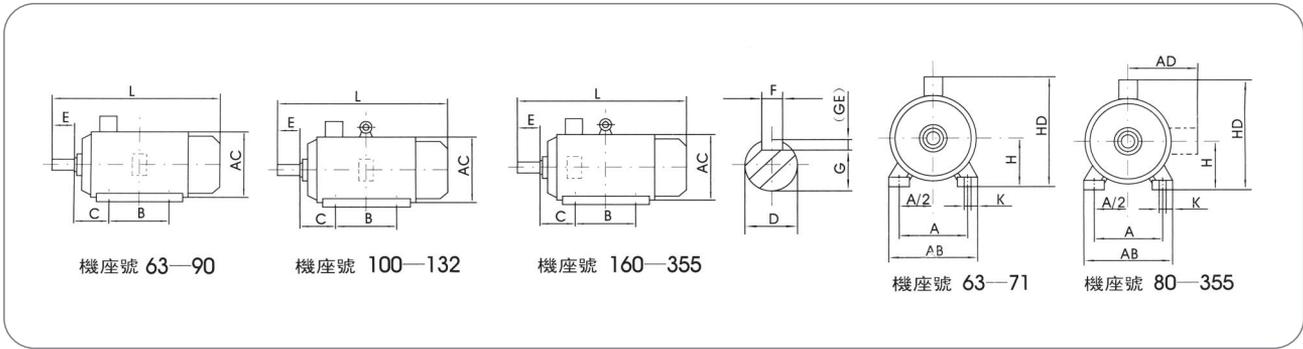
Appendix VI-YL series single-phase dual-value Capacitor Induction Motors



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
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	2.4.6.8	125	62.5	100	50	19	40	6	15.5	80	10	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	80	140	63	28	60		24	100	12	230	240	190	300	400	480	510	
100L		160		140	70			80	10	33		132	270	385	465	480			
112M		190	95	140	70	110	12	14	42.5	180	15	320	330	255	420	345	470	530	585
132S		216	108	140	89											38	80	10	33
132M		178	127	210	108	42	110	12	37	160	15	320	330	255	420	615	660	720	
160M		254		210	108	42										110	12	37	160
160L		254	139.5	241	121	48	110	14	42.5	180	15	355	380	280	455	700	775	825	
180M		279		241	121	48										110	14	42.5	180
180L	279	159	279	133	55	110	16	49	200	19	395	420	305	505	770	850	900		
200L	318		305	133	55										110	16	49	200	815
225S	4、8	356	178	286	149	60	140	18	53	225	19	435	470	335	560	815	885	1000	
225M	2			311	149	55	110	16	49							225	820	915	1000
250M	4、6、8	406	203	349	168	60	140	18	53	250	24	490	510	370	615	910	980		
	2					65			140										18
280S	4、6、8	457	228.5	368	190	75	140	20	67.5	280	24	550	580	410	680	985	1085		
	2			65															140
280M	4、6、8	457	228.5	419	190	75	140	18	58	280	24	550	580	410	680	1035	1135		
	2			65															140
315S	4.6.8.10	508	254	406	216	65	140	18	58	315	28	635	645	490	800	1178	1380		
	2			80		170		22	71							315			635
315M	4.6.8.10	508	254	457	216	65	140	18	58	315	28	635	645	490	800	1290	1395		
	2			80		170		22	71							315			635
315L	4.6.8.10	508	254	508	216	65	140	18	58	315	28	635	645	490	800	1290	1395		
	2			80		170		22	71							315			635
355M	4.6.8.10	610	305	560	254	75	140	20	67.5	355		730	710	530	880	1500			
	2			95		170		25	86							355			730
355L	4.6.8.10	610	305	630	254	75	140	20	67.5	355		730	710	530	880	1500			
	2			95		170		25	86							355			730

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	<ol style="list-style-type: none"> <li>1、饋電路斷綫（三相當中的一根）</li> <li>2、定子三相繞組中的一相斷路（“Y”形連接時）</li> <li>3、電源電壓或頻率不對</li> </ol>	<p>檢查電源電壓和個別連接處。 檢查保險絲，饋電綫內電流和每一相繞組的電阻。 檢查電壓及頻率。</p>
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	<ol style="list-style-type: none"> <li>1、電源電壓低</li> <li>2、定子繞組有匝間短路</li> <li>3、定子三相繞組中異相斷綫（“Δ”接綫法時）</li> <li>4、過載</li> </ol>	<p>檢查綫路電壓。 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。</p>
3、電機停留在低轉速	<ol style="list-style-type: none"> <li>1、定子繞組一相接反，電動機發響聲</li> <li>2、轉子端環和導杆中間有斷裂情況</li> </ol>	<p>檢查饋電綫的電流和引出綫標記。 檢查短路電流。</p>
4、定子過熱	<ol style="list-style-type: none"> <li>1、饋電綫路三根中有一根斷綫或定子繞組一相斷路</li> <li>2、電源電壓過大或過低</li> <li>3、過載</li> <li>4、定子匝間或相同短路</li> <li>5、通風不好</li> </ol>	<p>檢查保險絲，綫間電壓和導綫電流。 檢查饋電綫內的電流，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。</p>
5、軸承過熱	<ol style="list-style-type: none"> <li>1、裝配不對</li> <li>2、電動機軸與被拖動之軸不平行</li> <li>3、沒有潤滑油，油內有雜物或油質不良</li> <li>4、皮帶過緊</li> <li>5、不平衡的磁性吸力大</li> </ol>	<p>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。</p>
6、合閘時保險設備跳閘	<ol style="list-style-type: none"> <li>1、定子繞組一相接反</li> <li>2、把應當接成“Y”形的定子三相繞組接成“Δ”形</li> <li>3、繞組對機座短路或相間短路</li> </ol>	<p>檢查引出綫標記和接法。 檢查引出綫標記和接法。 檢查各相繞組對機座的絕緣以及相同絕緣。</p>
7、機械振動大	<ol style="list-style-type: none"> <li>1、轉子不平衡只在相當低的轉數時才不振動</li> <li>2、軸向竄動大</li> <li>3、傳動皮帶接頭接得不好</li> <li>4、皮帶輪不平穩</li> </ol>	<p>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。</p>

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	<ol style="list-style-type: none"> <li>1. Circuit broken wires (one of the three is the root)</li> <li>2. When the child three-phase winding of the a phase breakers ("Y" type of connection)</li> <li>3. The power supply voltage and frequency is wrong</li> </ol>	<p>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</p>
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	<ol style="list-style-type: none"> <li>1. The low voltage power supply</li> <li>2. The group turns around the son between short circuit</li> <li>3. The stator three-phase winding out-of-phase break line ("Δ" then method)</li> <li>4. Overload</li> </ol>	<p>Check the line voltage; Check each phase windings and each phase no-load current; Check each phase winding resistance; Check the load</p>
3. Motor stay in low rotation speed	<ol style="list-style-type: none"> <li>1. A connect the stator winding, motor hair crosstalk</li> <li>2. The rotor ring and guide bar among fracture</li> </ol>	<p>Check feeders current and lead wire mark; Check short-circuit current</p>
4. Stator overheating	<ol style="list-style-type: none"> <li>1. Feeders three roots there was a break or stator winding a phase open circuit</li> <li>2. The power supply voltage too big or too low</li> <li>3. overload</li> <li>4. Same stator circle or short circuit</li> <li>5. And ventilated bad</li> </ol>	<p>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</p>
5. Bearing overheating	<ol style="list-style-type: none"> <li>1. The assembly wrong</li> <li>2. The motor shaft and the dragging is not parallel axis</li> <li>3. No lubricating oil, oil impurities or oily bad there</li> <li>4. Belts tight</li> <li>5. Don't balance of magnetic big suction</li> </ol>	<p>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</p>
6. When feeder insurance facilities trip	<ol style="list-style-type: none"> <li>1. A connect the stator winding</li> <li>2. Put a "Y" shall meet type stator windings to become "Δ"</li> <li>3. Winding base to short circuit or alternate with short circuit</li> </ol>	<p>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</p>
7. Mechanical vibration	<ol style="list-style-type: none"> <li>1. Relet not only in balance quite a low speed don't vibration</li> <li>2. the axial moving there</li> <li>3. transmission belt joint answered the bad</li> <li>4. pulley is not even</li> </ol>	<p>Check the balance situation; Check the clearance of bearing, and to make adjustments. To meet the belt; Check the pulley</p>

**Note:** There are many reasons for the malfunctions, sometimes there might be several reasons for one problem, sometimes one reason might cause several problems. These listed in the table are just those frequently appeared, please don't hesitate to contact us while in need.