

YE3系列

YE3-80~355 系列超高效率三相异步电动机

YE3-80~355 Series Ultra High Efficiency Three Phase Asynchronous Motor



概述

(Summary)

- | | |
|---|---|
| ○ 额定功率: 0.75~375kW | ○ Rate power: 0.75~375kW |
| ○ 机座号: 80~355 | ○ Frame size: 80~355 |
| ○ 极数: 2极、4极、6极 | ○ Poles: 2p、4p、6p |
| ○ 防护等级: IP55 | ○ Protection degree: IP55 |
| ○ 绝缘等级: F | ○ Insulation class: F |
| ○ 冷却方式: IC411 | ○ Cooling method: IC411 |
| ○ 工作制: S1 连续工作制 | ○ Duty: S1 |
| ○ 能效等级: GB18613-2012 2级
(享受国家惠民产品补贴) | ○ Efficiency class: GB18613-2012 grade 2 (IE3)
(State subsidies) |

结构特点 (Structural characteristics)

YE3系列为全新设计的超高效低压三相异步电动机, 采用高强度铸铁结构, 具有效率高、可靠性高、造型美观、噪音低、振动小等特点, 适用于风机、水泵、压缩机及工程机械等需要节能并连续运行的工业领域。

The YE3 series of ultra high efficiency three phase asynchronous motors with high strength cast iron structure, have the characteristics of ultra high efficiency, beautiful appearance, low noise, little vibration, and can be applied to fan, pump, compressor, construction machinery and other machines that need energy-saving and continuous operation.

YE3系列

产品技术数据
(Technical data)

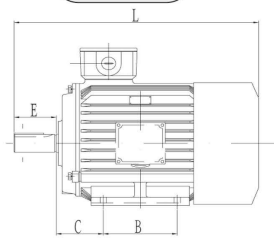
型号 Type	功率 Power (KW)	电流 Current (A)	转速 Speed (r/min)	效率 EFF. (%)	功率因数 P.F.	堵转转矩 额定转矩 T_{st}/T_N	最大转矩 额定转矩 T_{max}/T_N	堵转电流 额定电流 I_{st}/I_N	重量 Weight (kg)
YE3-80M1-2	0.75	1.7	2865	80.7	0.82	2.3	2.3	7.0	16
YE3-80M2-2	1.1	2.4	2880	82.7	0.83	2.2	2.3	7.3	19
YE3-80M-4	0.75	1.8	1435	82.5	0.75	2.3	2.3	6.6	19
YE3-90S-2	1.5	3.2	2990	84.2	0.84	2.2	2.3	7.6	25
YE3-90L-2	2.2	4.6	2990	85.9	0.85	2.2	2.3	7.6	30
YE3-90S-4	1.1	2.6	1435	84.1	0.76	2.3	2.3	6.8	26
YE3-90L-4	1.5	3.5	1440	85.3	0.77	2.3	2.3	7.0	31
YE3-90S-6	0.75	2.0	950	78.9	0.71	2.0	2.1	6.0	26
YE3-90L-6	1.1	2.8	950	81.0	0.73	2.0	2.1	6.0	32
YE3-100L-2	3	6.0	2900	87.1	0.87	2.2	2.3	7.8	40
YE3-100L1-4	2.2	4.8	1450	86.7	0.81	2.3	2.3	7.6	42
YE3-100L2-4	3	6.3	1450	87.7	0.82	2.3	2.3	7.6	46
YE3-100L-6	1.5	3.8	950	82.5	0.73	2.0	2.1	6.5	44
YE3-112M-2	4	7.8	2910	88.1	0.88	2.2	2.3	8.3	48
YE3-112M-4	4	8.4	1455	88.6	0.82	2.2	2.3	7.8	55
YE3-112M-6	2.2	5.4	955	84.3	0.74	2.0	2.1	6.6	48
YE3-132S1-2	5.5	10.6	2920	89.2	0.88	2.0	2.3	8.3	64
YE3-132S2-2	7.5	14.4	2920	90.1	0.88	2.0	2.3	7.8	70
YE3-132S-4	5.5	11.2	1460	89.6	0.83	2.0	2.3	7.5	69
YE3-132M-4	7.5	15.0	1460	90.4	0.84	2.0	2.3	7.9	83
YE3-132S-6	3	7.2	970	85.6	0.74	2.0	2.1	6.8	59
YE3-132M1-6	4	9.5	970	86.8	0.74	2.0	2.1	6.8	71
YE3-132M2-6	5.5	12.7	970	88.0	0.75	2.0	2.1	7.0	73
YE3-160M1-2	11	20.6	2942	91.2	0.89	2.0	2.3	8.1	125
YE3-160M2-2	15	27.9	2942	91.9	0.89	2.0	2.3	8.1	144
YE3-160L-2	18	34.2	2942	92.4	0.89	2.0	2.3	8.2	155
YE3-160M-4	11	21.5	1470	91.4	0.85	2.2	2.3	7.7	124
YE3-160L-4	15	28.8	1470	92.1	0.86	2.2	2.3	7.8	144
YE3-160M-6	7.5	16.2	976	89.1	0.79	2.0	2.1	7.0	115
YE3-160L-6	11	23.1	976	90.3	0.80	2.0	2.1	7.2	135
YE3-180M-2	22	40.5	2960	92.7	0.89	2.0	2.3	8.2	205
YE3-180M-4	18.5	35.3	1475	92.6	0.86	2.0	2.3	7.8	186
YE3-180L-4	22	41.8	1475	93.0	0.86	2.0	2.3	7.8	223
YE3-180L-6	15	30.9	980	91.2	0.81	2.0	2.1	7.3	185
YE3-200L1-2	30	54.9	2965	93.3	0.89	2.0	2.3	7.6	241
YE3-200L2-2	37	67.4	2965	93.7	0.89	2.0	2.3	7.6	259
YE3-200L-4	30	56.6	1475	93.6	0.86	2.0	2.3	7.3	285
YE3-200L1-6	18.5	37.8	980	91.7	0.81	2.0	2.1	7.3	220
YE3-200L2-6	22	44.8	980	92.2	0.81	2.0	2.1	7.4	259
YE3-225M-2	45	80.8	2965	94.0	0.90	2.0	2.3	7.7	326
YE3-225S-4	37	69.6	1480	93.9	0.86	2.0	2.3	7.4	300
YE3-225M-4	45	84.4	1480	94.2	0.86	2.0	2.3	7.4	349
YE3-225M-6	30	59.1	985	92.9	0.83	2.0	2.1	6.9	285

YE3系列

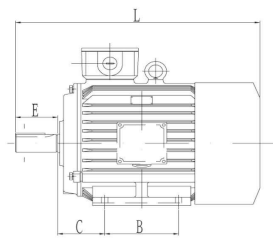
型号 Type	功率 Power	电流 Current	转速 Speed	效率 EFF.	功率因数 P. F	堵转转矩 额定转矩	最大转矩 额定转矩	堵转电流 额定电流	重量 Weight (kg)
	(KW)	(A)	(r/min)	(%)		T _{st} /T _N	T _{max} /T _N	I _{st} /I _N	
YE3-250M-2	55	98.5	2970	94.3	0.90	2.0	2.3	7.7	415
YE3-250M-4	55	102.7	1480	94.6	0.86	2.2	2.3	7.4	434
YE3-250M-6	37	71.7	980	93.3	0.84	2.0	2.1	7.1	400
YE3-280S - 2	75	133.7	2975	94.7	0.90	1.8	2.3	7.1	515
YE3-280M-2	90	159.9	2975	95.0	0.90	1.8	2.3	7.1	590
YE3-280S - 4	75	136.3	1485	95.0	0.88	2.0	2.3	6.9	580
YE3-280M-4	90	163.2	1485	95.2	0.88	2.0	2.3	6.9	664
YE3-280S - 6	45	85.8	985	93.7	0.85	2.0	2.0	7.3	483
YE3-280M-6	55	103.3	985	94.1	0.86	2.0	2.0	7.3	531
YE3-315S - 2	110	195.1	2975	95.2	0.90	1.8	2.3	7.1	820
YE3-315M-2	132	233.6	2975	95.4	0.90	1.8	2.3	7.1	890
YE3-315L1-2	160	279.4	2975	95.6	0.91	1.8	2.3	7.2	980
YE3-315L2-2	200	348.6	2975	95.8	0.91	1.8	2.2	7.2	1060
YE3-315S - 4	110	196.8	1480	95.4	0.89	2.0	2.2	7.0	875
YE3-315M-4	132	235.7	1480	95.6	0.89	2.0	2.2	7.0	980
YE3-315L1-4	160	285.1	1480	95.8	0.89	2.0	2.2	7.1	1070
YE3-315L2-4	200	351.7	1480	96.0	0.90	2.0	2.2	7.1	1160
YE3-315S - 6	75	143.4	985	94.6	0.84	2.0	2.0	6.6	845
YE3-315M-6	90	169.5	985	94.9	0.85	2.0	2.0	6.7	910
YE3-315L1-6	110	206.8	985	95.1	0.85	2.0	2.0	6.7	1000
YE3-315L2-6	132	244.5	985	95.4	0.86	2.0	2.0	6.8	1120
YE3-355M-2	250	435.7	2980	95.8	0.91	1.6	2.2	7.2	1500
YE3-355L-2	315	549.0	2980	95.8	0.91	1.6	2.2	7.2	1700
YE3-355M-4	250	439.6	1490	96.0	0.90	2.0	2.2	6.9	1620
YE3-355L-4	315	553.9	1490	96.0	0.90	2.0	2.2	7.1	1780
YE3-355M1-6	160	295.7	990	95.6	0.86	1.8	2.0	6.8	1552
YE3-355M2-6	200	364.6	990	95.8	0.87	1.8	2.0	6.8	1660
YE3-355L-6	250	455.8	990	95.8	0.87	1.8	2.0	6.8	1810
YE3-3551-2	355	618.7	2980	95.8	0.91	1.6	2.2	7.2	2190
YE3-3552-2	375	653.6	2980	95.8	0.91	1.6	2.2	7.2	2430
YE3-3551-4	355	638.5	1490	96.0	0.88	1.7	2.2	7.0	2580
YE3-3552-4	375	697.4	1490	96.0	0.88	1.7	2.2	7.0	2650
YE3-3552-6	315	580.9	990	95.8	0.86	1.8	2.0	6.8	2690

外形及安装尺寸
(Installation dimensions)

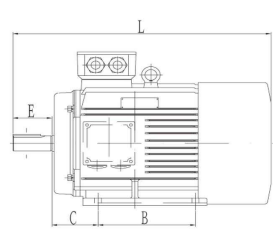
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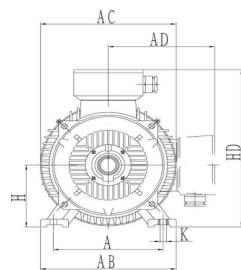
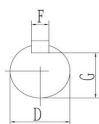
H80~90



H100~132

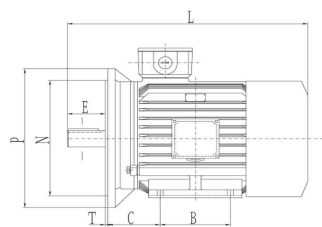


H160~355

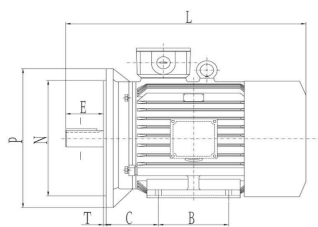


H80~355

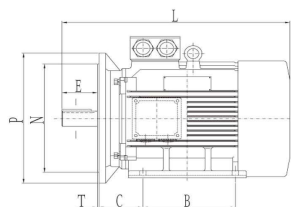
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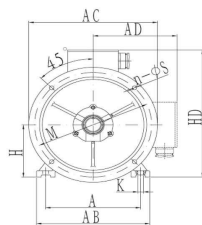
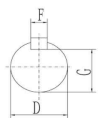
H80~90



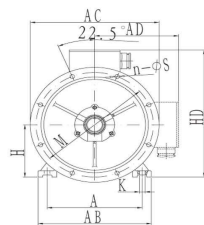
H100~132



H160~355



H100~200



H225~280

IMB3		mm													
机座数	级数	安装尺寸									外形尺寸				
		A	B	C	D	E	F	G	H	K	AB	AC	AD	HD	L
80M	2、4、6	125	100	50	19	40	6	15.5	80	10	165	175	145	220	305
90S		140		56	24	50	8	20	90		180	195	165	260	360
90L			125	63	28	60		24	100		12	205	215	180	275
100L		160	70				112		230	240		190	300	435	
112M		190	140	89	38	80	10	33	132	270		275	210	345	470
132S		216	178	89	38	80	10	33	132	14.5	320	330	255	420	510
132M		210													560
160M		254	254	108	42	110	12	37	160		18.5	355	380	280	455
160L			241	121	48		14	42.5	180	700					
180M		279	279	133	55	16	49	200	24	395		420	305	505	790
180L		318	305							140	18	53	225	435	470
200L		4	356	286	149	60	140	18		53	250	24	490	510	370
225S	2	311		55		110	16	49	225	825					
225M	4、6	406	349	168	60	140	18	53	280	24			550	580	410
250M	2				457			368			190	65			
280S	4、6	457	419	190	75	140	18	58			280	24	550	580	410
280M	2				65		18	58	20	67.5					
315S	4、6	508	406	216	65	170	22	71	315	28			635	645	530
315M	2				80		140	18			58	22			
315L	4、6	508	457	254	65	140	18	58			355	730	710	655	1010
355M	2				80		170	22	71	1320					
355L	4、6	610	560	254	75	140	20	67.5	35	760					
355	2				95		170	25			86	20	67.5	1530	
355	4、6	630	800	224	75	170	22	71		355	760	770	760	1130	1530
355	2				110		210	28	100						1870
355	4、6	630	800	224	110	210	28	100	355						760

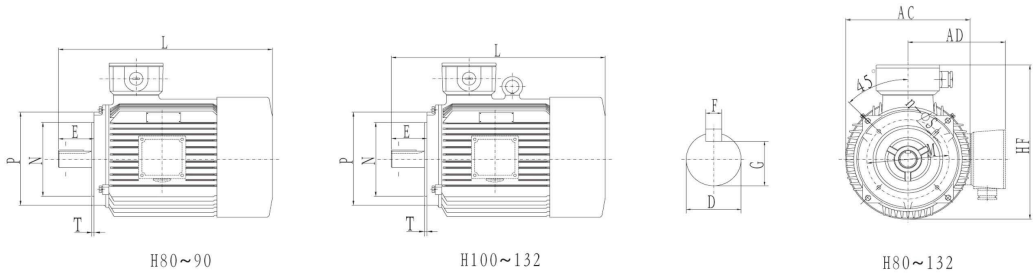
IMB35			安装尺寸															mm																																																																																																																																																																																																																																																																																																																																																																																				
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80M	FF165	2、4、6	125	100	50	19	40	6	16	80	10	165	130	200	12	3.5	4																																																																																																																																																																																																																																																																																																																																																																																					
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112M	FF215		216	178	89	38	80	10	33	132	14.5	300	250	350	18.5	5		8																																																																																																																																																																																																																																																																																																																																																																																				
132S			254	210	108	42	110	12	37	160																																																																																																																																																																																																																																																																																																																																																																																												
132M	FF265		279	254	121	48		14	43	180																																																																																																																																																																																																																																																																																																																																																																																												
160M				241	16	49		200	350	300	400																																																																																																																																																																																																																																																																																																																																																																																											
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180L	286		149				55					110	16	53	225		500					450	550																																																																																																																																																																																																																																																																																																																																																																															
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225S			4	356	311	149									55		110				16	49	18.5	400	350	450	18.5	5																																																																																																																																																																																																																																																																																																																																																																										
225M	2		457	419	190	65									140		22				71	315							28	600	550	660	24	6																																																																																																																																																																																																																																																																																																																																																																				
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注： IMB35外形尺寸 AB、AC、AD、HD、L同IMB3



机座号	凸缘号	级数	安装尺寸										外形尺寸			
			D	E	F	G	M	N	P	S	T	n	AC	AD	HF	L
80M	FF165	2、4、6	19	40	6	16	165	130	200	12	3.5	4	175	145		305
90S			24	50	8	20							195	165		360
90L																
100L	FF215		28	60	24	215	180	250	15	4	215		180	245	435	
112M											240		190	265	470	
132S	FF265		38	80	10	33	265	230			300		275	210	315	510
132M			560													
160M	FF300		42	110	12	37	300	250	350	19	5		330	255	385	670
160L			700													
180M			48		14	43							380	280	430	740
180L		790														
200 L	FF350	55		16	49	350	300	400	420			305	480	790		
225S	FF400	4	60	140	18	53	400	350	450			8	470	335	535	830
225M		2	55	110	16	49							825			
		4、 6	60	140	53	855										
250M	2	18	500		450	550	510	370	595	915						
	4、 6						65									
280S	2						20	68	580	410	650		985			
	4、 6			75			18	58								
280M		2	20	68	1035											

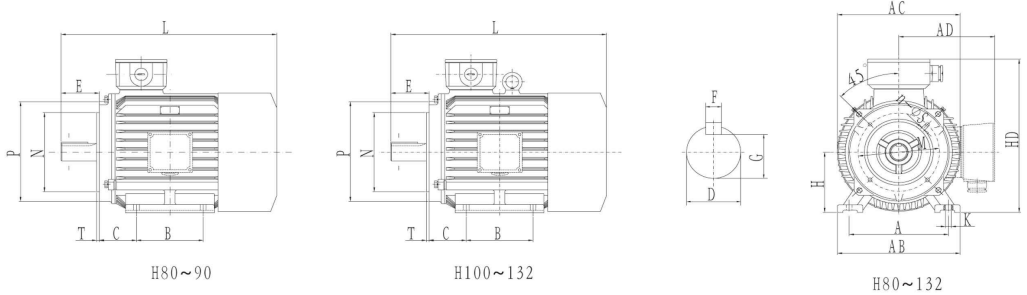
IMB14



IMB14

1MB14																	mm
机座号	凸缘号	级数	安装尺寸										外形尺寸				
			D	E	F	G	M	N	P	S	T	n	AC	AD	HF	L	
80M	FT100	2、4、6	19	40	6	15.5	100	80	120	M6	3.0	4	175	145		305	
90S	FT115		24	50	8	20	115	95	140	M8						360	
90L														390			
100L	FT130		28	60		24	130	110	160				3.5	215	180	245	435
112M															240	190	265

IMB34



IMB34

机座号		凸缘号		级数	安装尺寸															外形尺寸				
					A	B	C	D	E	F	G	H	K	M	N	P	S	T	n	AB	AC	AD	HD	L
80M	FT100	2、4、6	FT115	125	100	50	19	40	6	15.5	80	10	100	80	120	M6	3.0	4	165	175	145	220	305	
90S	140			125		56	24	50	8	20	90		115	95	140	M8			180	195	165	260	360	
90L																					390			
100L	FT130			160	140	63	28	60		24	100	12	130	110	160	3.5			205	215	180	275	435	
112M				190		70					112								230	240	190	300	470	

