YJE3/IE3 系列高效三相异步电动机

HIGH EFFICIENCY THREE PHASE INDUCTION MOTOR



产品介绍 & BRIEF INTRODUCTION

YJE3系列高效三相异步电动机

YJE3/IE3 SERIES HIGH EFFICIENCY THREE PHASE INDUCTION MOTOR

■ 特征

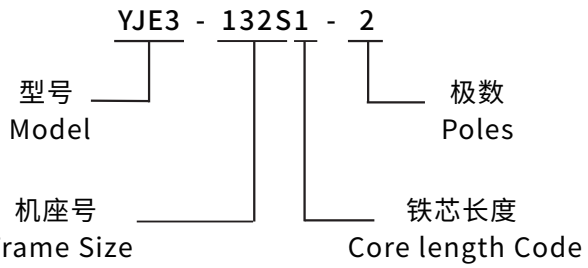
- 机座号 80～355; 功率为0.75～315kW; 工作制 S1;冷却方式 IC411
- 高效节能,外型美观,噪声低、振动小,运行可靠,绝缘等级为F级,外壳防护等级为IP54或IP55,效率符合GB18613-2020能效等级3级,IEC60034-30的IE3效率等级。
- 适用于一般场所和无特殊要求的机械,如金属切削机床、泵、风机、运输机械、搅拌机、农业机械、食品机械等。
- 使用条件: 海拔不超过1000m。环境温度随季节变化,但最高不超过+40°C,最低不低于-15°C。

FEATURES

- Frame No. 80-355; Power 0.75-315kw; Duty S1; IC Code IC411
- Features: High efficiency and energy saving, low noise and little vibration, running smoothly, The insulation class is F; Protective class is IP54 or IP55, Meeting the requirements of efficiency level in accordance with GB18613-2020 Level 3, and IEC 60034-30 level IE3.
- Applications: General purpose including cutting. machines, pumps,fans,conveyors,machines tools of farm duty and food process.
- Circumstance For Use:The altitude not exceeding 1000m above sea level.The ambient temperature subject to seasonal variations but not exceeding 40℃ and not less than -15℃.

■ 型号说明 MODEL DESCRIPTION





■ 安装结构形式 MOUNTING ARRANGEMENT

机座号 Frame No.	基本安装结构形式 Basic						派生安装形式 Variations					
	B3	B5	B35	V1	V3	V5	V6	B8	B6	B7	V15	V36
												
H 80-160	●	●	●	●	●	●	●	●	●	●	●	●
H 180-280	●	●	●	●	–	–	–	–	–	–	–	–
H 315-355	●	–	●	●	–	–	–	–	–	–	–	–

注:如所订电机的安装形式与表列不同请在订货时另行商议。
Note:If the mounting arrangements of motor different from table, It should cousult with us when placing order.

YJE3系列超高效三相异步电动机

YJE3 SERIES PREMIUM EFFICIENCY THREE PHASE INDUCTION MOTOR

■ 技术数据 TECHNICAL DATA

性能数据(380V 50Hz) Performance Data(380V 50Hz)									
型号 TYPE	额定功率 Rated Output (kW)	满载时 At Full Load				堵转电流 堵转/额定 Locked / Rated	转 矩 Torque		重量 Weight (kg)
		转速 Speed r/min	电 流 Current (A)	效 率 Eff. (%)	功率因数 P.F (Cosφ)		堵转/额定 Locked / Rated	最大/额定 Maximum / Rated	
同步转速 3000r/min									
YJE3-80M1-2	0.75	2845	1.8	80.7	0.78	7	2.3	2.3	16
YJE3-80M2-2	1.1	2845	2.5	82.7	0.81	7.3	2.2	2.3	18
YJE3-90S-2	1.5	2865	3.4	84.2	0.79	7.6	2.2	2.3	26
YJE3-90L-2	2.2	2865	4.6	85.9	0.85	7.6	2.2	2.3	27
YE-2-100L-2	3	2870	6	87.1	0.87	7.8	2.2	2.3	36
YJE3-112M-2	4	2880	8.1	88.1	0.85	8.3	2.2	2.3	45
YJE3-132S1-2	5.5	2925	12	89.2	0.78	8.3	2	2.3	69
YJE3-132S2-2	7.5	2925	15.1	90.1	0.84	7.9	2	2.3	75
YJE3-160M1-2	11	2935	22.1	91.2	0.83	8.1	2	2.3	120
YJE3-160M2-2	15	2935	30.6	91.9	0.81	8.1	2	2.3	135
YJE3-160L-2	18.5	2935	37.6	92.4	0.81	8.2	2	2.3	150
YJE3-180M-2	22	2950	45.1	92.7	0.8	8.2	2	2.3	185
YJE3-200L1-2	30	2960	54.9	93.3	0.89	7.6	2	2.3	240
YJE3-200L2-2	37	2960	67.4	93.7	0.89	7.6	2	2.3	260
YJE3-225M-2	45	2960	80.8	94	0.9	7.7	2	2.3	320
YJE3-250M-2	55	2970	98.5	94.3	0.9	7.7	2	2.3	420
YJE3-280S-2	75	2975	133.7	94.7	0.9	7.1	1.8	2.3	550
YJE3-280M-2	90	2980	159.9	95	0.9	7.1	1.8	2.3	630
YJE3-315S-2	110	2975	195.1	95.2	0.9	7.1	1.8	2.3	980
YJE3-315M-2	132	2980	233.6	95.4	0.9	7.1	1.8	2.3	1080
YJE3-315L1-2	160	2980	279.4	95.6	0.91	7.2	1.8	2.3	1160
YJE3-315L2-2	200	2980	348.6	95.8	0.91	7.2	1.8	2.2	1220
YJE3-355M-2	250	2985	435.7	95.8	0.91	7.2	1.6	2.2	1880
YJE3-355L-2	315	2990	549	95.8	0.91	7.2	1.6	2.2	2050
YJE3-3551-2	355	2990	619	95.8	0.91	7.2	1.6	2.2	2250
YJE3-3552-2	375	2990	654	95.8	0.91	7.2	1.6	2.2	2350

YJE3系列超高效三相异步电动机

YJE3 SERIES PREMIUM EFFICIENCY THREE PHASE INDUCTION MOTOR

■ 技术数据 TECHNICAL DATA

性能数据(380V 50Hz)						Performance Data(380V 50Hz)			
型号	额定功率 Rated Output	满载时 At Full Load				堵转电流	转 矩 Torque		重量
		转速 Speed	电 流 Current	效 率 Eff.	功率因数 P.F	堵转/额定 Locked / Rated	堵转/额定 Locked / Rated	最大/额定 Maximum / Rated	Weight
TYPE	(kW)	r/min	(A)	(%)	(Cosϕ)				(kg)
同步转速 1500r/min									
YJE3-80M2-4	0.75	1415	2	82.5	0.7	6.6	2.3	2.3	20
YJE3-90S-4	1.1	1420	2.8	84.1	0.72	6.8	2.3	2.3	24
YJE3-90L-4	1.5	1420	3.8	85.3	0.7	7	2.3	2.3	26
YJE3-100L1-4	2.2	1440	4.8	86.7	0.8	7.6	2.3	2.3	37
YJE3-100L2-4	3	1440	6.7	87.7	0.77	7.6	2.3	2.3	41
YJE3-112M-4	4	1445	9.1	88.6	0.75	7.8	2.2	2.3	48
YJE3-132S-4	5.5	1460	11.5	89.6	0.81	7.9	2	2.3	71
YJE3-132M-4	7.5	1460	15.8	90.4	0.8	7.5	2	2.3	83
YJE3-160M-4	11	1460	22.3	91.4	0.82	7.7	2.2	2.3	128
YJE3-160L-4	15	1460	32.1	92.1	0.77	7.8	2.2	2.3	149
YJE3-180M-4	18.5	1475	37.5	92.6	0.81	7.8	2	2.3	185
YJE3-180L-4	22	1475	44.4	93	0.81	7.8	2	2.3	200
YJE3-200L-4	30	1480	56.6	93.6	0.86	7.3	2	2.3	300
YJE3-225S-4	37	1485	69.6	93.9	0.86	7.4	2	2.3	380
YJE3-225M-4	45	1485	84.4	94.2	0.86	7.4	2	2.3	400
YJE3-250M-4	55	1485	102.7	94.6	0.86	7.4	2.2	2.3	540
YJE3-280S-4	75	1490	136.3	95	0.88	6.9	2	2.3	610
YJE3-280M-4	90	1490	163.2	95.2	0.88	6.9	2	2.3	680
YJE3-315S-4	110	1490	196.8	95.4	0.89	7	2	2.2	970
YJE3-315M-4	132	1490	235.7	95.6	0.89	7	2	2.2	1060
YJE3-315L1-4	160	1490	285.1	95.8	0.89	7.1	2	2.2	1160
YJE3-315L2-4	200	1490	351.7	96	0.9	7.1	2	2.2	1270
YJE3-355M-4	250	1490	439.6	96	0.9	7.1	2	2.2	1815
YJE3-355L-4	315	1490	553.9	96	0.9	7.1	2	2.2	2130
YJE3-3551-4	355	1490	439.6	96	0.88	7	1.7	2.2	2280
YJE3-3552-4	375	1490	553.9	96	0.88	7	1.7	2.2	2350

YJE3系列超高效三相异步电动机

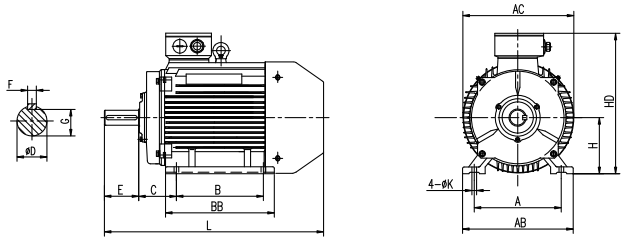
YJE3 SERIES PREMIUM EFFICIENCY THREE PHASE INDUCTION MOTOR

■ 技术数据 TECHNICAL DATA

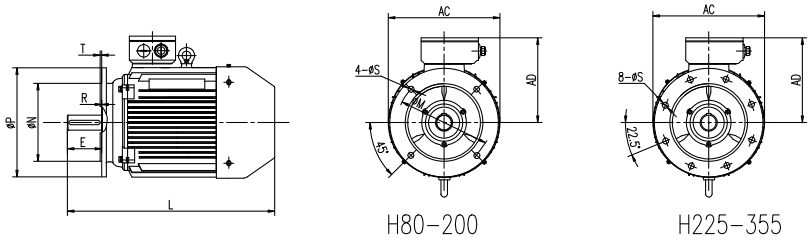
性能数据(380V 50Hz)						Performance Data(380V 50Hz)			
型号	额定功率 Rated Output	满载时 At Full Load				堵转电流	转 矩 Torque		重量
		转速 Speed	电 流 Current	效 率 Eff.	功率因数 P.F	堵转/额定 Locked / Rated	堵转/额定 Locked / Rated	最大/额定 Maximum / Rated	Weight
TYPE	(kW)	r/min	(A)	(%)	(Cosϕ)				(kg)
同步转速 1000r/min									
YJE3-90S-6	0.75	920	2.6	78.9	0.56	6	2	2.1	25
YJE3-90L-6	1.1	920	3.3	81	0.62	6	2	2.1	29
YJE3-100L-6	1.5	930	4.2	82.5	0.66	6.5	2	2.1	36
YJE3-112M-6	2.2	945	6	84.3	0.66	6.5	2	2.1	45
YJE3-132S-6	3	965	7.2	85.6	0.74	6.8	2	2.1	69
YJE3-132M1-6	4	965	9.5	86.8	0.74	6.8	2	2.1	80
YJE3-132M2-6	5.5	965	13.6	88	0.7	7	2	2.1	89
YJE3-160M-6	7.5	970	18	89.1	0.71	7	2	2.1	135
YJE3-160L-6	11	970	23.7	90.3	0.78	7.2	2	2.1	160
YJE3-180L-6	15	985	34.7	91.2	0.72	7.3	2	2.1	195
YJE3-200L1-6	18.5	985	38.3	91.7	0.8	7.3	2	2.1	257
YJE3-200L2-6	22	985	46.5	92.2	0.78	7.4	2	2.1	308
YJE3-225M-6	30	985	59.1	92.9	0.83	6.9	2	2.1	355
YJE3-250M-6	37	985	71.7	93.3	0.84	7.1	2	2.1	470
YJE3-280S-6	45	990	85.8	93.7	0.85	7.3	2	2	540
YJE3-280M-6	55	990	103.3	94.1	0.86	7.3	2	2	610
YJE3-315S-6	75	990	143.4	94.6	0.84	6.6	2	2	990
YJE3-315M-6	90	990	169.5	94.9	0.85	6.7	2	2	1080
YJE3-315L1-6	110	990	206.8	95.1	0.85	6.7	2	2	1150
YJE3-315L2-6	132	990	244.5	95.4	0.86	6.8	2	2	1210
YJE3-355M1-6	160	990	295.7	95.6	0.86	6.8	1.8	2	1760
YJE3-355M2-6	200	990	364.6	95.8	0.87	6.8	1.8	2	1850
YJE3-355L-6	250	990	455.7	95.8	0.87	6.8	1.8	2	2050
YJE3-3552-6	315	990	455.7	95.8	0.86	6.8	1.8	2	2300

■ 安装及外形尺寸 MOUNTING AND OVERALL DIMENSIONS

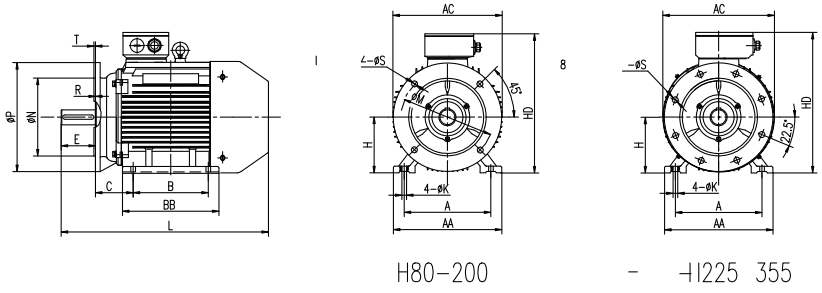
B3



B5



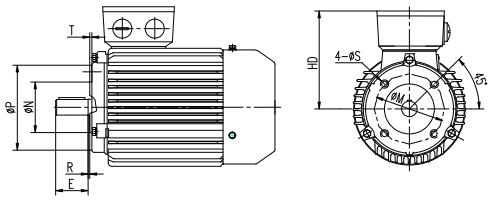
B35



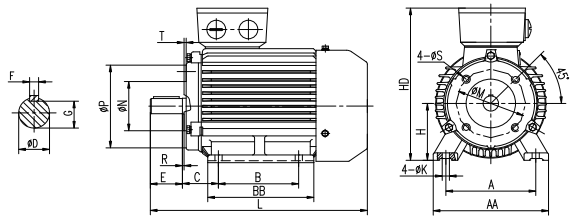
机座	极数	安装尺寸 Mounting dimension															外形尺寸 Overall dimension					
Frame	Poles	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AB	AC	AD	HD	HF	L
80M	2,4,6	125	100	50	19	40	6	15.5	80	10	165	130	200	0	4-Φ12	3.5	165	175	145	220	—	305
90S	2,4,6	140	100	56	24	50	8	20	90	10	165	130	200	0	4-Φ12	3.5	180	205	170	265	—	395
90L	2,4,6	140	125	56	24	50	8	20	90	10	165	130	200	0	4-Φ12	3.5	180	205	170	265	—	425
100L	2,4,6	160	140	63	28	60	8	24	100	12	215	180	250	0	4-Φ15	4	205	215	180	270	240	435
112M	2,4,6	190	140	70	28	60	8	24	112	12	215	180	250	0	4-Φ15	4	230	255	200	310	275	475
132S	2,4,6	216	140	89	38	80	10	33	132	12	265	230	300	0	4-Φ15	4	270	310	230	365	335	535
132M	2,4,6	216	178	89	38	80	10	33	132	12	265	230	300	0	4-Φ15	4	270	310	230	365	335	550
160M	2,4,6	254	210	108	42	110	12	37	160	14.5	300	250	350	0	4-Φ19	5	320	340	260	425	390	730
160L	2,4,6	254	254	108	42	110	12	37	160	14.5	300	250	350	0	4-Φ19	5	320	340	260	425	390	760
180M	2,46	279	241	121	48	110	14	42.5	180	14.5	300	250	350	0	4-Φ19	5	355	390	285	460	435	805
180L	2,4,6	279	279	121	48	110	14	42.5	180	14.5	300	250	350	0	4-Φ19	5	355	390	285	460	435	835
200L	2,4,6	318	305	133	55	110	16	49	200	18.5	350	300	400	0	4-Φ19	5	395	445	320	520	495	890
225S	4	356	286	149	60	140	18	53	225	18.5	400	350	450	0	8-Φ19	5	435	495	350	575	550	865
225M	2	356	311	149	55	110	16	49	225	18.5	400	350	450	0	8-Φ19	5	435	495	350	575	550	865
	4,6	356	311	149	60	140	18	53	225	18.5	400	350	450	0	8-Φ19	5	435	495	350	575	550	895
250M	2	406	349	168	60	140	18	53	250	24	500	450	550	0	8-Φ19	5	490	550	390	635	615	995
	4,6	406	349	168	65	140	18	58	250	24	500	450	550	0	8-Φ19	5	490	550	390	635	615	995
280S	2	457	368	190	65	140	18	58	280	24	500	450	550	0	8-Φ19	5	550	630	435	705	675	1030
	4,6	457	368	190	75	140	20	67.5	280	24	500	450	550	0	8-Φ19	5	550	630	435	705	675	1030
280M	2	457	419	190	65	140	18	58	280	24	500	450	550	0	8-Φ19	5	550	630	435	705	675	1080
	4,6	457	419	190	75	140	20	67.5	280	24	500	450	550	0	8-Φ19	5	550	630	435	705	675	1080
315S	2	508	406	216	65	140	18	58	315	28	600	550	660	0	8-Φ24	6	635	645	530	845	—	1180
	4,6	508	406	216	80	170	22	71	315	28	600	550	660	0	8-Φ24	6	635	645	530	845	—	1290
315M	2	508	457	216	65	140	18	58	315	28	600	550	660	0	8-Φ24	6	635	645	530	845	—	1210
	4,6	508	457	216	80	170	22	71	315	28	600	550	660	0	8-Φ24	6	635	645	530	845	—	1320
315L	2	508	508	216	65	140	18	58	315	28	600	550	660	0	8-Φ24	6	635	645	530	845	—	1210
	4,6	508	508	216	80	170	22	71	315	28	600	550	660	0	8-Φ24	6	635	645	530	845	—	1320
355M	2	610	560	254	75	140	20	67.5	355	28	740	680	800	0	8-Φ24	6	730	710	655	1010	—	1500
	4,6	610	560	254	95	170	25	86	355	28	740	680	800	0	8-Φ24	6	730	710	655	1010	—	1530
355L	2	610	630	254	75	140	20	67.5	355	28	740	680	800	0	8-Φ24	6	730	710	655	1010	—	1500
	4,6	610	630	254	95	170	25	86	355	28	740	680	800	0	8-Φ24	6	730	710	655	1010	—	1530

■ 安装及外形尺寸 MOUNTING AND OVERALL DIMENSIONS

B14

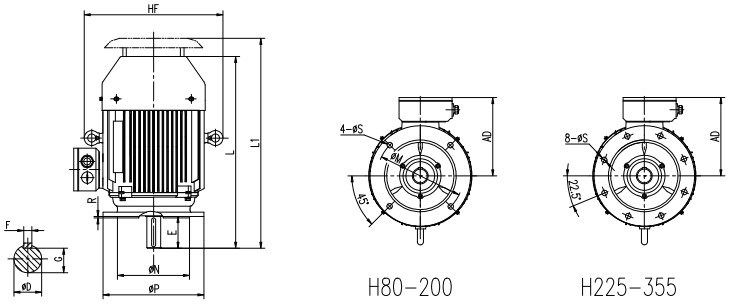


B34



机座 Frame	极数 Poles	安装尺寸 Mounting dimension															外形尺寸 Overall dimension					
		A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AB	AC	AD	HD	HF	L
80M	2,4,6	125	100	50	19	40	6	16	80	10	100	80	120	0	M6	3	165	175	145	220	—	305
90S	2,4,6	140	100	56	24	50	8	20	90	10	115	95	140	0	M8	3	180	205	170	265	—	360
90L	2,4,6	140	125	56	24	50	8	20	90	10	115	95	140	0	M8	3	180	205	170	265	—	390
100L	2,4,6	160	140	63	28	60	8	24	100	12	130	110	160	0	M8	3.5	205	215	180	270	245	435
112M	2,4,6	190	140	70	28	60	8	24	112	12	130	110	160	0	M8	3.5	230	255	200	310	275	440

V1



机座 Frame	极数 Poles	安装尺寸 Mounting dimension										外形尺寸 Overall dimension			
		D	E	F	G	M	N	R	P	S	T	AC	AD	HF	L
180M	2,4,6	48	110	14	42.5	300	250	0	350	4-Φ19	5	390	285	505	825
180L	2,4,6	48	110	14	42.5	300	250	0	350	4-Φ19	5	390	285	505	845
200L	2,4,6	55	110	16	49	350	300	0	400	4-Φ19	5	445	320	565	940
225S	4	60	140	18	53	400	350	0	450	8-Φ19	5	495	350	625	945
225M	2	55	110	16	49	400	350	0	450	8-Φ19	5	495	350	625	945
	4,6	60	140	18	53	400	350	0	450	8-Φ19	5	495	350	625	975
250M	2	60	140	18	53	500	450	0	550	8-Φ19	5	550	390	670	1095
	4,6	65	140	18	58	500	450	0	550	8-Φ19	5	550	390	670	1095
280S	2	65	140	18	58	500	450	0	550	8-Φ19	5	630	435	745	1155
	4,6	75	140	20	67.5	500	450	0	550	8-Φ19	5	630	435	745	1155
280M	2	65	140	18	58	500	450	0	550	8-Φ19	5	630	435	745	1195
	4,6	75	140	20	67.5	500	450	0	550	8-Φ19	5	630	435	745	1195
315S	2	65	140	18	58	600	550	0	660	8-Φ24	6	645	530	900	1280
	4,6	80	170	22	71	600	550	0	660	8-Φ24	6	645	530	900	1400
315M	2	65	140	18	58	600	550	0	660	8-Φ24	6	645	530	900	1310
	4,6	80	170	22	71	600	550	0	660	8-Φ24	6	645	530	900	1430
315L	2	65	140	18	58	600	550	0	660	8-Φ24	6	645	530	900	1310
	4,6	80	170	22	71	600	550	0	660	8-Φ24	6	645	530	900	1430
355M	2	75	140	20	67.5	740	680	0	800	8-Φ24	6	710	655	1010	1640
	4,6	95	170	25	86	740	680	0	800	8-Φ24	6	710	655	1010	1670
355L	2	75	140	20	67.5	740	680	0	800	8-Φ24	6	710	655	1010	1640
	4,6	95	170	25	86	740	680	0	800	8-Φ24	6	710	655	1010	1670