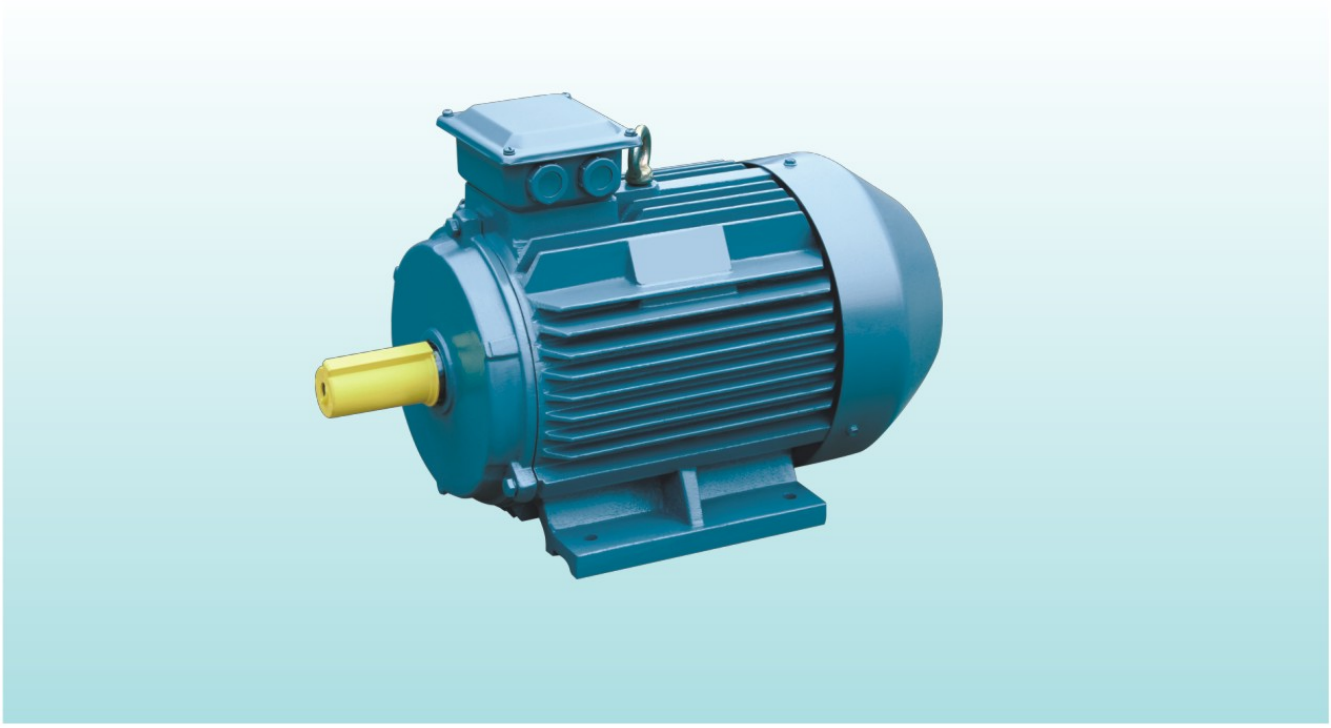
YE3系列超高效率三相异步电动机

YE3 Series Premium Efficiency Three – Phase Asynchronous Motor



银达YE3 系列电动机技术特性

◎机座材料：铸铁；
◎标准颜色：龙胆蓝（RAL 5010）；
◎额定功率：0.75kW~315kW (50Hz)
◎0.75kW 及以上的2、4、6 极电动机达到GB18613-2012 标准能效等级2 级，且能满足IEC 60034-30 标准中的IE3效率等级(50Hz)；
◎标准安装结构类型（符合IEC 60034-7 标准规定）：IM B3、IMB5、IM B35 等；
◎所有的电动机设计防护等级为IP55（IEC 60034-5）；绝缘系统按155（F）温度等级设计，在额定输出和直接供电时按130（B）温度等级使用；
◎电动机标准冷却方式为自扇冷却（IEC 60034-6 规定的IC 411），可提供独立驱动风扇强制冷却；
◎防护等级IP55（IEC 60034-5）；
◎工作环境高度不超过海拔1000 m（IEC 60034-1）；

Features of Yinda YE3 series

◎Frame material: cast iron.
◎Standard color: Gentian blue (RAL 5010)
◎Rated output power : 0.75kW~315kW at 50Hz.
◎Available in 2, 4, 6 pole motor (0.75kW and up) with efficiency grade 2. according to GB18613-2012 and efficiency class IE3(50Hz) according to IEC 60034-30.
◎Standard mounting construction according to IEC 60034-7: IM B3, IM B5, IM B35 and etc.
◎All motors are designed to IP55 degree of protection (IEC 60034-5) .Insulation system is designed for temperature class 155 (F). At rated output with line-fed operation, the motors can be used in temperature class 130 (B).
◎Self ventilated motors with radial-flow fans (cooling method IC 411 according to IEC 60034-6) as standard, forced air cool with external separately driven fans as option.
◎Degrees of motor protection IP55 (IEC 60034-5).
◎Altitude of working environment shall not exceed 1000m above sea-level (IEC 60034-1).

技术性能参数 Technical performance data

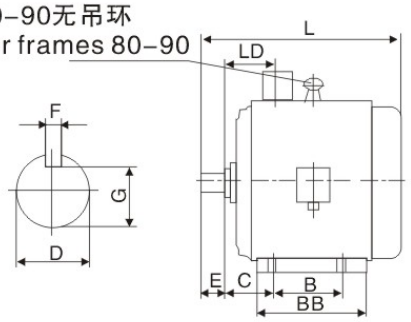
型号 Motor Type	额定功率 Rated Output (50Hz)		效率 Efficiency Full Load 100%	功率因数 Power factor CosΦ	额定电流 Rated Current (A)	堵转电流 额定电流 ILR / Irated	堵转转矩 额定转矩 TLR/Trated	最大转矩 额定转矩 Tmax/Trated	噪声LWA dB(A)
	kW	HP							
Synchronous Speed 3000 r/min = 2 poles 380V 50Hz									
YE3-80M1-2	0.75	1	80.7	0.82	1.7	7.0	2.3	2.3	62
YE3-80M2-2	1.1	1.5	82.7	0.83	2.4	7.3	2.2	2.3	62
YE3-90S-2	1.5	2	84.2	0.84	3.2	7.6	2.2	2.3	67
YE3-90L-2	2.2	3	85.9	0.85	4.6	7.6	2.2	2.3	67
YE3-100L-2	3	4	87.1	0.87	6	7.8	2.2	2.3	74
YE3-112M-2	4	5.5	88.1	0.88	7.8	8.3	2.2	2.3	77
YE3-132S1-2	5.5	7.5	89.2	0.88	10.6	8.3	2	2.3	79
YE3-132S2-2	7.5	10	90.1	0.88	14.4	7.9	2	2.3	79
YE3-160M1-2	11	15	91.2	0.89	20.6	8.1	2	2.3	81
YE3-160M-2	15	20	91.9	0.89	27.9	8.1	2	2.3	81
YE3-160L-2	18.5	25	92.4	0.89	34.2	8.2	2	2.3	81
YE3-180M-2	22	30	92.7	0.89	40.5	8.2	2	2.3	83
YE3-200L1-2	30	40	93.3	0.89	54.9	7.6	2	2.3	84
YE3-200L2-2	37	50	93.7	0.89	67.4	7.6	2	2.3	84
YE3-225M-2	45	60	94	0.9	80.8	7.7	2	2.3	86
YE3-250M-2	55	75	94.3	0.9	98.5	7.7	2	2.3	89
YE3-280S-2	75	100	94.7	0.9	133.7	7.1	1.8	2.3	91
YE3-280M-2	90	120	95	0.9	159.9	7.1	1.8	2.3	91
YE3-315S-2	110	150	95.2	0.9	195.1	7.1	2	2.2	92
YE3-315M-2	132	180	95.4	0.9	233.6	7.1	2	2.2	92
YE3-315L1-2	160	220	95.6	0.91	279.4	7.2	2	2.2	92
YE3-315L2-2	200	270	95.8	0.91	348.6	7.2	2	2.2	92
Synchronous Speed 1500 r/min = 4 poles 380V 50Hz									
YE3-80M2-4	0.75	1	82.5	0.75	1.8	6.6	2.3	2.3	56
YE3-90S-4	1.1	1.5	84.1	0.76	2.6	6.8	2.3	2.3	59
YE3-90L-4	1.5	2	85.3	0.77	3.5	7	2.3	2.3	59
YE3-100L1-4	2.2	3	86.7	0.81	4.8	7.6	2.3	2.3	64
YE3-100L2-4	3	4	87.7	0.82	6.3	7.6	2.3	2.3	64
YE3-112M-4	4	5.5	88.6	0.82	8.4	7.8	2.2	2.3	65
YE3-132S-4	5.5	7.5	89.6	0.83	11.2	7.9	2	2.3	71
YE3-132M-4	7.5	10	90.4	0.84	15	7.5	2	2.3	71
YE3-160M-4	11	15	91.4	0.82	22.3	7.7	2.2	2.3	73
YE3-160L-4	15	20	92.1	0.86	28.8	7.8	2.2	2.3	73
YE3-180M-4	18.5	25	92.6	0.86	35.3	7.8	2	2.3	76
YE3-180L-4	22	30	93	0.86	41.8	7.8	2	2.3	76
YE3-200L-4	30	40	93.6	0.86	56.6	7.3	2	2.3	76
YE3-225S-4	37	50	93.9	0.86	69.6	7.4	2	2.3	78
YE3-225M-4	45	60	94.2	0.86	84.4	7.4	2	2.3	78
YE3-250M-4	55	75	94.6	0.86	102.7	7.4	2.2	2.3	79
YE3-280S-4	75	100	95	0.88	136.3	6.9	2	2.3	80
YE3-280M-4	90	120	95.2	0.88	163.2	6.9	2	2.3	80
YE3-315S-4	110	150	95.4	0.89	196.8	7	2	2.2	88
YE3-315M-4	132	180	95.6	0.89	235.7	7	2	2.2	88
YE3-315L1-4	160	220	95.8	0.89	285.1	7.1	2	2.2	88
YE3-315L2-4	200	270	96	0.9	351.7	7.1	2	2.2	88

技术性能参数 Technical performance data

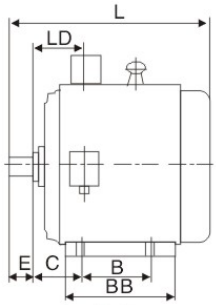
型号 Motor Type	额定功率 Rated Output (50Hz) kW	HP	效率 Efficiency Full Load 100%	功率因数 Power factor CosΦ	额定电流 Rated Current (A)	堵转电流 额定电流 ILR / Irated	堵转转矩 额定转矩 TLR/Trated	最大转矩 额定转矩 Tmax/Trated	噪声LWA dB(A)
Synchronous Speed 1000 r/min = 6 poles 380V 50Hz									
YE3-90S-6	0.75	1	78.9	0.71	2	6	2	2.1	57
YE3-90L-6	1.1	1.5	81	0.73	2.8	6	2	2.1	57
YE3-100L-6	1.5	2	82.5	0.73	3.8	6.5	2	2.1	61
YE3-112M-6	2.2	3	84.3	0.74	5.4	6.6	2	2.1	65
YE3-132S-6	3	4	85.6	0.74	7.2	6.8	2	2.1	69
YE3-132M1-6	4	5.5	86.8	0.74	9.5	6.8	2	2.1	69
YE3-132M2-6	5.5	7.5	88	0.75	12.7	7	2	2.1	69
YE3-160M-6	7.5	10	89.1	0.79	16.2	7	2	2.1	73
YE3-160L-6	11	15	90.3	0.8	23.1	7.2	2	2.1	73
YE3-180L-6	15	20	91.2	0.81	30.9	7.3	2	2.1	73
YE3-200L1-6	18	25	91.7	0.81	36.8	7.3	2	2.1	73
YE3-200L2-6	22	30	92.2	0.81	44.8	7.4	2	2.1	73
YE3-225M-6	30	40	92.9	0.83	59.1	6.9	2	2.1	74
YE3-250M-6	37	50	93.3	0.84	71.7	7.1	2	2.1	76
YE3-280S-6	45	60	93.7	0.85	85.8	7.3	2	2	78
YE3-280M-6	55	75	94.1	0.86	103.3	7.3	2	2	78
YE3-315S-6	75	100	94.6	0.84	143.4	6.6	2	2	83
YE3-315M-6	90	120	94.9	0.85	169.5	6.7	2	2	83
YE3-315L1-6	110	150	95.1	0.85	206.8	6.7	2	2	83
YE3-315L2-6	132	180	95.4	0.86	244.5	6.8	2	2	83

外形及安装尺寸/Dimension Drawing

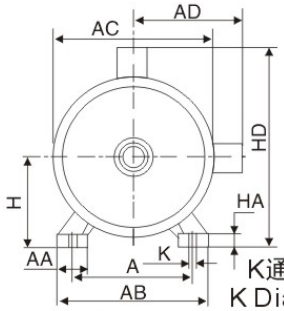
机座号80-90无吊环
No.eyeboit for frames 80-90



机座号
Frome size
80-132



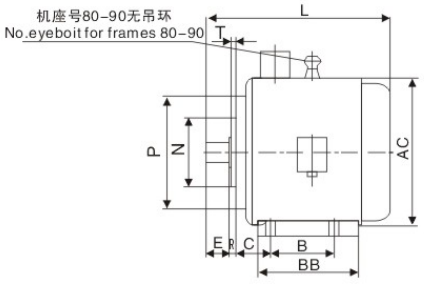
机座号
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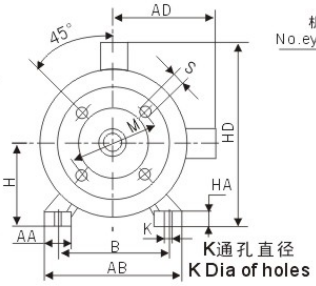


K通孔直径
K Dia of holes

机座号
Frome size
80-355

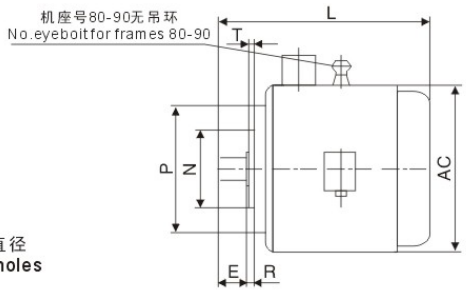
B3

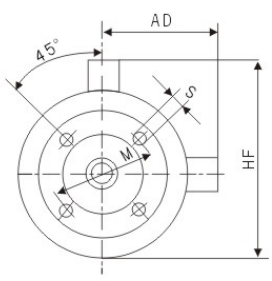




K通孔直径
K Dia of holes

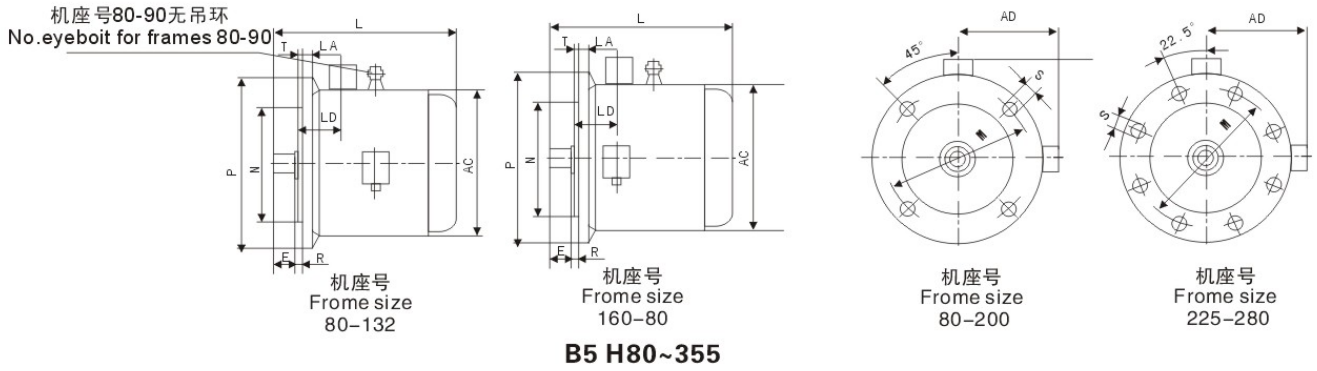
B34 H80~112



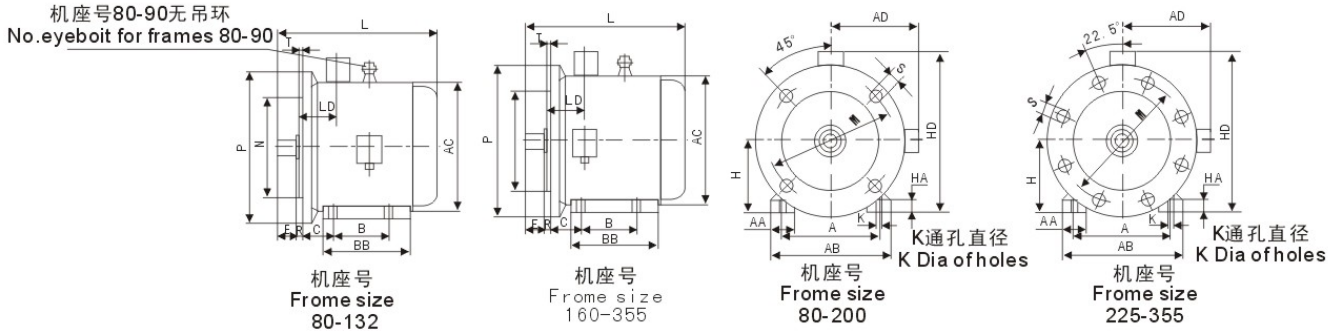


B14 H80~112

外形及安装尺寸/Dimension Drawing



B5 H80~355



B35 H80~355

机座号 Frame size	凸缘号 Flange Number	极数 Pole	安装尺寸Mounting Dimension (mm)																			
			A	A/2	B	C	D	E	F	G	H	K	M	N	P	S	T	AB	AC	AD	HD	HF	L
80M	FF165	2, 4, 6	125	62.5	100	50	19	40	6	15.5	80	10	165	130	200	12	3.5	165	175	145	220		305
90S	FF165	2, 4, 6	140	70	100	56	24	50	8	20	90	10	165	130	200	12	3.5	180	205	170	265		395
90L	FF165		140	70	125	56	24	50	8	20	90	10	165	130	200	12	3.5	180	205	170	265	240	425
100L	FF215	2, 4, 6	160	80	140	63	28	60	8	24	100	12	215	180	250	14.5	4	205	215	180	270	275	435
112M	FF215		190	95	140	70	28	60	8	24	112	12	215	180	250	14.5	4	230	255	200	310	335	475
132S	FF265	2, 4, 6	216	108	140	89	38	80	10	33	132	12	265	230	300	14.5	4	270	310	230	365	335	535
132M	FF265		216	108	178	89	38	80	10	33	132	12	265	230	300	14.5	4	270	310	230	365	390	550
160M	FF300	2, 4, 6	254	127	210	108	42	110	12	37	160	14.5	300	250	350	18.5	5	320	340	260	425	390	730
160L	FF300		254	127	254	108	42	110	12	37	160	14.5	300	250	350	18.5	5	320	340	260	425	435	760
180M	FF300	2, 4, 6	279	139.5	241	121	48	110	14	42.5	180	14.5	300	250	350	18.5	5	355	390	285	460	435	805
180L	FF300		279	139.5	279	121	48	110	14	42.5	180	14.5	300	250	350	18.5	5	355	390	285	460	495	835
200L	FF350	2, 4, 6	318	159	305	133	55	110	16	49	200	18.5	350	300	400	18.5	5	395	445	320	520	550	890
225S	FF400	4	356	178	286	149	60	140	18	53	225	18.5	400	350	450	18.5	5	435	495	350	575	550	865
225M	FF400	2	356	178	311	149	55	110	16	49	225	18.5	400	350	450	18.5	5	435	495	350	575	550	865
	FF400	4，6	356	178	311	149	60	140	18	53	225	18.5	400	350	450	18.5	5	435	495	350	575	615	895
250M	FF500	2	406	203	349	168	60	140	18	53	250	24	500	450	550	18.5	5	490	550	390	635	615	995
	FF500	4，6	406	203	349	168	65	140	18	58	250	24	500	450	550	18.5	5	490	550	390	635	675	995
280S	FF500	2	457	228.5	368	190	65	140	18	58	280	24	500	450	550	18.5	5	550	630	435	705	675	1030
	FF500	4，6	457	228.5	368	190	75	140	20	67.5	280	24	500	450	550	18.5	5	550	630	435	705	675	1030
280M	FF500	2	457	228.5	419	190	65	140	18	58	280	24	500	450	550	18.5	5	550	630	435	705	675	1080
	FF500	4，6	457	228.5	419	190	75	140	20	67.5	280	24	500	450	550	18.5	5	550	630	435	705		1080
315S	FF600	2	508	254	406	216	65	140	18	58	315	28	600	550	660	24	6	635	645	530	845		1180
	FF600	4，6	508	254	406	216	80	170	22	71	315	28	600	550	660	24	6	635	645	530	845		1290
315M	FF600	2	508	254	457	216	65	140	18	58	315	28	600	550	660	24	6	635	645	530	845		1210
	FF600	4，6	508	254	457	216	80	170	22	71	315	28	600	550	660	24	6	635	645	530	845		1320
315L	FF600	2	508	254	508	216	65	140	18	58	315	28	600	550	660	24	6	635	645	530	845		1210
	Ff600	4，6	508	254	508	216	80	170	22	71	315	28	600	550	660	24	6	635	645	530	845		1320