

Q 产品简介 Introduction

Y2VP系列电机是可以采用变频器供电的三相异步电动机，是电机节能的一种典型应用。采用先进的电磁计算和特殊的绝缘系统，使其更能适用于变频器供电系统。一般额定电压为380V，频率为50Hz,5(3)~50Hz是恒转矩，50~100Hz是恒功率，也可以根据用户的需要确定额定点的电压和频率，中心高250及以下的电动机采用Y接法，以上的为△接法，冷却方式为IC416。

Y2VP series motor can be used in inverter, which is a typical motor of energy-saving, advanced electromagnetic calculation and special insulation system ensure the motor fits for the inverter power supply system. In general the rated voltage is 380V, frequency is 50Hz, constant torque with frequency 5(3)~50Hz, constant output with frequency 50~100Hz. The voltage and frequency of the rated point can be ensured according to the customers' requirement, and Y connection can be used if the frame size is 250 and below. Above 250 is △ connection, and the cooling method is IC416.

4极电机(50HZ时同步转速1500r/min) 4 pole motor(synchronous speed 1500r/min in 50Hz)

电机型号 Motor Type	标称功率 Nominal Power	额定电流 Rated Current	额定转矩 Rated Torque	最大转矩\额定转矩 Maximun Torque/Rated Torque	重量 Weight
	KW	380V A	N.m	times	kg
Y ₂ VP80M ₁ -4	0.55	1.6	3.8	2.8	20
Y ₂ VP80M ₂ -4	0.75	2.1	5.2	2.8	21
Y ₂ VP90S-4	1.1	2.8	7.6	2.8	24
Y ₂ VP90L-4	1.5	3.7	10.3	2.8	29
Y ₂ VP100L ₁ -4	2.2	5.1	14.9	2.8	36
Y ₂ VP100L ₂ -4	3	6.7	20.3	2.8	40
Y ₂ VP112M-4	4	8.8	26.5	2.8	48
Y ₂ VP132S-4	5.5	11.7	36.3	2.8	70
Y ₂ VP132M-4	7.5	15.6	49.6	2.8	82
Y ₂ VP160M-4	11	22.5	72.0	2.8	125
Y ₂ VP160L-4	15	30	98.1	2.8	145
Y ₂ VP180M-4	18.5	36.3	120.2	2.8	187
Y ₂ VP180L-4	22	42.9	142.9	2.8	201
Y ₂ VP200L-4	30	58.0	194.9	2.8	257
Y ₂ VP225S-4	37	70.2	239.6	2.8	317
Y ₂ VP225M-4	45	85.0	291.4	2.8	352
Y ₂ VP250M-4	55	103.3	356.1	2.8	411
Y ₂ VP280S-4	75	139.9	482.3	2.8	545
Y ₂ VP280M-4	90	167.4	578.8	2.8	635
Y ₂ VP315S-4	110	201.0	707.4	2.8	961
Y ₂ VP315M-4	132	240.4	848.9	2.8	1042
Y ₂ VP315L ₁ -4	160	287.8	1029.0	2.8	1110
Y ₂ VP315L ₂ -4	200	359.8	1286.2	2.8	1221
Y ₂ VP355M-4	250	443.3	1602.3	2.8	1765
Y ₂ VP355L ₁ -4	280	496.5	1794.6	2.8	1895
Y ₂ VP355L ₂ -4	315	558.6	2019.0	2.8	1995
Y ₂ VP400M ₁ -4	355	632.6	2275.3	2.8	3000
Y ₂ VP400M ₂ -4	400	712	2563.8	2.8	3050
Y ₂ VP400M ₃ -4	450	791.3	2884.2	2.8	3200
Y ₂ VP400L-4	500	898.3	3204.7	2.8	3350

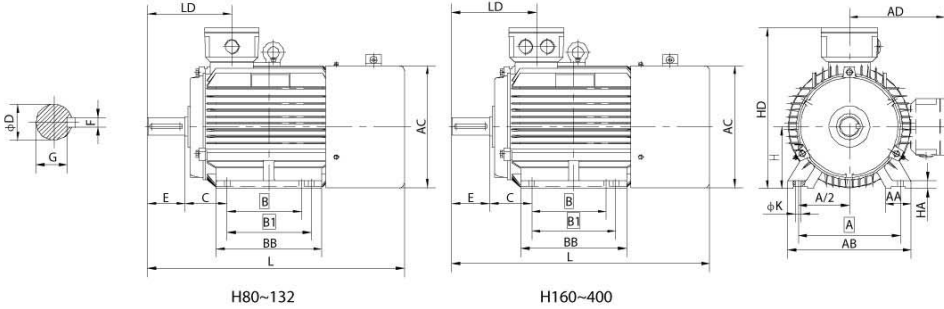
6极电机(50HZ时同步转速1000r/min) 6 pole motor(synchronous speed 1000r/min in 50Hz)

电机型号 Motor Type	标称功率 Nominal Power	额定电流 Rated Current	额定转矩 Rated Torque	最大转矩\额定转矩 Maximun Torque/Rated Torque	重量 Weight
	KW	380V A	N.m	times	kg
Y ₂ VP80M ₁ -6	0.37	1.3	3.5	2.8	18
Y ₂ VP80M ₂ -6	0.55	1.8	5.3	2.8	20
Y ₂ VP90S-6	0.75	2.3	7.2	2.8	25
Y ₂ VP90L-6	1.1	3.2	10.5	2.8	29
Y ₂ VP100L-6	1.5	4	14.3	2.8	36
Y ₂ VP112M-6	2.2	5.6	21	2.8	43
Y ₂ VP132S-6	3	7.4	29.8	2.8	64
Y ₂ VP132M ₁ -6	4	9.8	39.8	2.8	79
Y ₂ VP132M ₂ -6	5.5	12.9	54.7	2.8	83
Y ₂ VP160M-6	7.5	17.2	73.8	2.8	120
Y ₂ VP160L-6	11	24.5	108.3	2.8	143
Y ₂ VP180L-6	15	31.6	147.7	2.8	191
Y ₂ VP200L ₁ -6	18.5	38.6	181.2	2.8	246
Y ₂ VP200L ₂ -6	22	44.7	215.5	2.8	255
Y ₂ VP225M-6	30	59.3	292.3	2.8	322
Y ₂ VP250M-6	37	71.1	360.6	2.8	438
Y ₂ VP280S-6	45	85.9	438.5	2.8	500
Y ₂ VP280M-6	55	104.7	536.0	2.8	575
Y ₂ VP315S-6	75	141.7	727.2	2.8	901
Y ₂ VP315M-6	90	169.5	872.6	2.8	980
Y ₂ VP315L ₁ -6	110	206.7	1066.5	2.8	1150
Y ₂ VP315L ₂ -6	132	244.7	1279.8	2.8	1215
Y ₂ VP355M ₁ -6	160	292.3	1543.4	2.8	1735
Y ₂ VP355M ₂ -6	200	365.4	1929.3	2.8	1915
Y ₂ VP355L-6	250	456.8	2411.6	2.8	2025
Y ₂ VP400M ₁ -6	315	577.8	3038.6	2.8	3550
Y ₂ VP400M ₂ -6	355	649.9	3424.5	2.8	3680
Y ₂ VP400L ₁ -6	400	722.4	3858.6	2.8	3850
Y ₂ VP400L ₂ -6	450	811.0	4340.9	2.8	3920

8极电机(50HZ时同步转速750r/min) 8 pole motor(synchronous speed 750r/min in 50Hz)

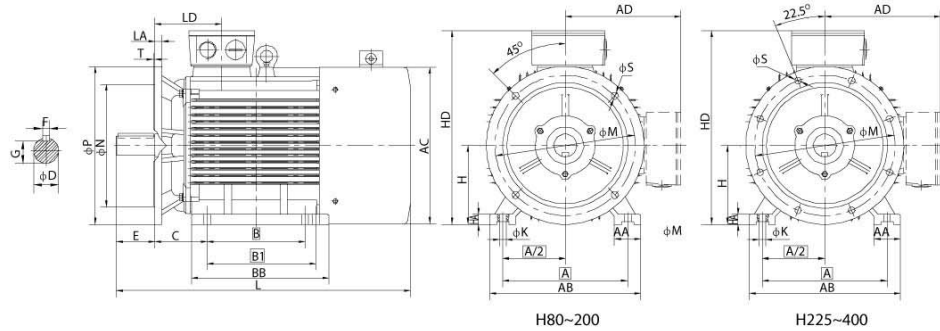
电机型号 Motor Type	标称功率 Nominal Power	额定电流 Rated Current	额定转矩 Rated Torque	最大转矩/额定转矩 Maximum Torque/Rated Torque	重量 Weight
	KW	380V A	N.m	times	kg
Y ₂ VP80M1-8	0.18	0.82	2.3	2.8	19
Y ₂ VP80M2-8	0.25	1.05	3.2	2.8	20
Y ₂ VP90S-8	0.37	1.6	4.7	2.8	29
Y ₂ VP90L-8	0.55	2.2	7	2.8	32
Y ₂ VP100L1-8	0.75	2.4	9.5	2.8	39
Y ₂ VP100L2-8	1.1	3.4	14	2.8	40
Y ₂ VP112M-8	1.5	4	19.1	2.8	45
Y ₂ VP132S-8	2.2	6.0	29.6	2.8	70
Y ₂ VP132M-8	3	7.9	40.4	2.8	74
Y ₂ VP160M1-8	4	10.3	53.1	2.8	106
Y ₂ VP160M2-8	5.5	13.6	73.0	2.8	118
Y ₂ VP160L-8	7.5	17.8	99.5	2.8	140
Y ₂ VP180L-8	11	25.1	143.9	2.8	190
Y ₂ VP200L-8	15	34.1	196.2	2.8	255
Y ₂ VP225S-8	18.5	41.1	242.0	2.8	297
Y ₂ VP225M-8	22	47.4	287.8	2.8	319
Y ₂ VP250M-8	30	63.4	392.5	2.8	395
Y ₂ VP280S-8	37	77.8	480.7	2.8	510
Y ₂ VP280M-8	45	94.1	584.7	2.8	590
Y ₂ VP315S-8	55	111.2	714.6	2.8	945
Y ₂ VP315M-8	75	151.3	974.5	2.8	1021
Y ₂ VP315L1-8	90	177.8	1169.4	2.8	1141
Y ₂ VP315L2-8	110	216.8	1429.3	2.8	1200
Y ₂ VP355M1-8	132	261.0	1692.1	2.8	1845
Y ₂ VP355M2-8	160	314.7	2051.0	2.8	1935
Y ₂ VP355L-8	200	387.4	2563.8	2.8	2085
Y ₂ VP400M1-8	250	486.6	3204.7	2.8	3400
Y ₂ VP400M2-8	280	545.0	3589.3	2.8	3480
Y ₂ VP400L1-8	315	590.2	4032.5	2.8	3700
Y ₂ VP400L2-8	355	663.1	4520	2.8	3810

Q 安装及外形尺寸 Installation dimensions



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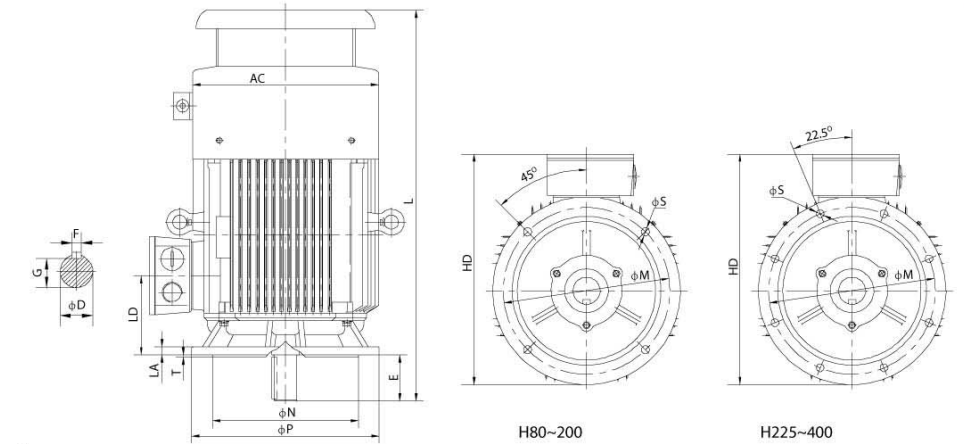
机座号 Frame Size	安装尺寸及公差 Mounting Dimensions and tolerance											外形尺寸 Overall dimensions(mm)									
	A	B	B1	C	D	E	F	G	H	K	AA	AB	AC	AD	HD	BB	LD	HA	L		
80	125	100	/	50	19	40	6	15.5	80	10	35	165	175	145	225	130	75	12	355		
90S	140	100	/	56	24	50	8	20	90	10	36	180	180	155	245	140	75	12	385		
90L	140	125	/	56	24	50	8	20	90	10	36	180	180	155	245	165	75	12	410		
100L	160	140	/	63	28	60	8	24	100	12	40	200	200	180	280	175	83	14	450		
112M	190	140	/	70	28	60	8	24	112	12	45	230	220	190	305	180	87	15	460		
132S	216	140	/	89	38	80	10	33	132	12	55	265	260	220	355	190	102	18	520		
132M	216	178	/	89	38	80	10	33	132	12	55	265	260	220	355	230	102	18	560		
160M	254	210	/	108	42	110	12	37	160	14.5	65	315	315	265	425	260	146	20	697		
160L	254	254	/	108	42	110	12	37	160	14.5	65	315	315	265	425	305	146	20	752		
180M	279	241	/	121	48	110	14	42.5	180	14.5	70	350	360	280	460	315	161	22	770		
180L	279	279	/	121	48	110	14	42.5	180	14.5	70	350	360	280	460	350	161	22	810		
200L	318	305	/	133	55	110	16	49	200	18.5	70	390	400	310	510	370	186	25	870		
225S	356	286	/	149	60	140	18	53	225	18.5	75	435	450	335	555	370	189	28	900		
225M	356	311	/	149	60	140	18	53	225	18.5	75	435	450	335	550	395	189	28	930		
250M	406	349	/	168	65	140	18	58	250	24	80	485	485	375	625	445	207	30	1000		
280S	457	368	/	190	75	140	20	67.5	280	24	85	545	550	405	685	490	215	35	1100		
280M	457	419	/	190	75	140	20	67.5	280	24	85	545	550	405	685	540	215	35	1155		
315S	508	406	/	216	80	170	22	71	315	28	120	630	625	530	845	570	257	45	1320		
315M,L	508	457	508	216	80	170	22	71	315	28	120	630	625	530	845	680	257	45	1430		
355M	610	500	560	254	95	170	25	86	355	28	120	730	710	615	970	750	284	52	1690		
355L	610	560	630	254	95	170	25	86	355	28	120	730	710	615	970	750	284	52	1690		
400M,L	686	710	/	280	110	210	28	100	400	35	120	810	860	/	1100	1090	362	45	2050		



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机座号 Frame Size	安装尺寸及公差 Mounting Dimensions and tolerance																外形尺寸 Overall dimensions(mm)											
	A	B	B1	C	D	E	F	G	H	K	M	N	P	R	S	T	AA	AB	AC	AD	HD	BB	LA	LD	HA	L		
80	125	100	/	50	19	40	6	15.5	80	10	165	130	200	0	4-Φ12	4	35	165	175	145	225	130	12	75	12	355		
90S	140	100	/	56	24	50	8	20	90	10	165	130	200	0	4-Φ12	4	36	180	180	155	245	140	12	75	12	385		
90L	140	125	/	56	24	50	8	20	90	10	165	130	200	0	4-Φ12	4	36	180	180	155	245	165	12	75	12	410		
100L	160	140	/	63	28	60	8	24	100	12	215	180	250	0	4-Φ14.5	4	40	200	200	180	280	175	13	83	14	450		
112M	190	140	/	70	28	60	8	24	112	12	215	180	250	0	4-Φ14.5	4	45	230	220	190	305	180	14	87	15	460		
132S	216	140	/	89	38	80	10	33	132	12	265	230	300	0	4-Φ14.5	4	55	265	260	220	355	190	14	102	18	520		
132M	216	178	/	89	38	80	10	33	132	12	265	230	300	0	4-Φ14.5	4	55	265	260	220	355	230	14	102	18	560		
160M	254	210	/	108	42	110	12	37	160	14.5	300	250	350	0	4-Φ18.5	5	65	315	315	265	425	260	15	146	20	697		
160L	254	254	/	108	42	110	12	37	160	14.5	300	250	350	0	4-Φ18.5	5	65	315	315	265	425	305	15	146	20	752		
180M	279	241	/	121	48	110	14	42.5	180	14.5	300	250	350	0	4-Φ18.5	5	70	350	360	280	460	315	15	161	22	770		
180L	279	279	/	121	48	110	14	42.5	180	14.5	300	250	350	0	4-Φ18.5	5	70	350	360	280	460	350	15	161	22	810		
200L	318	305	/	133	55	110	16	49	200	18.5	350	300	400	0	4-Φ18.5	5	70	390	400	310	510	370	17	186	25	870		
225S	356	286	/	149	60	140	18	53	225	18.5	400	350	450	0	8-Φ18.5	5	75	435	450	335	555	370	20	189	28	900		
225M	356	311	/	149	60	140	18	53	225	18.5	500	450	450	0	8-Φ18.5	5	75	435	450	335	550	395	20	189	28	930		
250M	406	349	/	168	65	140	18	58	250	24	500	450	550	0	8-Φ18.5	5	80	485	485	375	625	445	22	207	30	1000		
280S	457	368	/	190	75	140	20	67.5	280	24	500	450	550	0	8-Φ18.5	5	85	545	550	405	685	490	22	215	35	1100		
280M	457	419	/	190	75	140	20	67.5	280	24	500	450	550	0	8-Φ18.5	5	85	545	550	405	685	540	22	215	35	1155		
315S	508	406	/	216	80	170	22	71	315	28	600	550	660	0	8-Φ24	6	120	630	625	530	845	570	22	257	45	1320		
315M,L	508	457	508	216	80	170	22	71	315	28	600	550	660	0	8-Φ24	6	120	630	625	530	845	680	22	257	45	1430		
355M	610	500	560	254	95	170	25	86	355	28	740	680	800	0	8-Φ24	6	120	730	710	615	970	750	25	284	52	1690		
355L	610	560	630	254	95	170	25	86	355	28	740	680	800	0	8-Φ24	6	120	730	710	615	970	750	25	284	52	1690		
400M,L	686	710	/	280	110	210	28	100	400	35	940	800	1000	0	8-Φ28	6	120	810	860	/	1100	1090	25	362	45	2050		

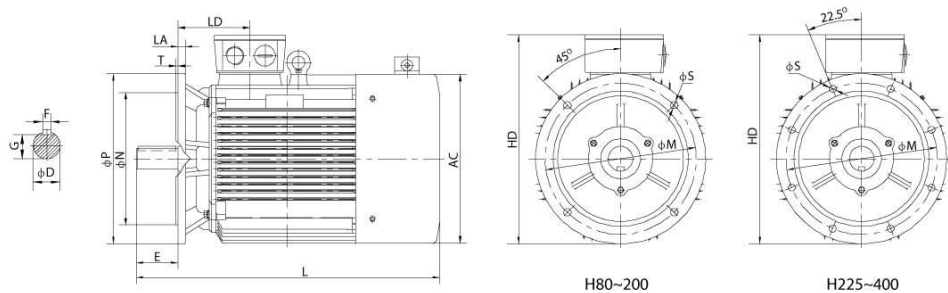
注：R为凸缘配合面到轴伸肩的距离Rmark；R=distance from flange to shaft shoulder.



V1

机座号 Frame Size	安装尺寸 Mounting Dimensions and tolerance									外形尺寸 Overall dimensions(mm)					
	D	E	F	G	M	N	P	R	S	T	AC	HD	LA	LD	L
80	19	40	6	15.5	165	130	200	0	4-Φ12	4	160	225	12	75	380
90S	24	50	8	20	165	130	200	0	4-Φ12	4	180	245	12	75	415
90L	24	50	8	20	165	130	200	0	4-Φ12	4	180	245	12	75	440
100L	28	60	8	24	215	180	250	0	4-Φ14.5	4	200	280	13	83	485
112M	28	60	8	24	215	180	250	0	4-Φ14.5	4	220	305	14	87	500
132S	38	80	10	33	265	230	300	0	4-Φ14.5	4	260	355	14	102	565
132M	38	80	10	33	265	230	300	0	4-Φ14.5	4	260	355	14	102	605
160M	42	110	12	37	300	250	350	0	4-Φ18.5	5	315	425	15	146	757
160L	42	110	12	37	300	250	350	0	4-Φ18.5	5	315	425	15	146	812
180M	48	110	14	42.5	300	250	350	0	4-Φ18.5	5	360	460	15	161	830
180L	48	110	14	42.5	300	250	350	0	4-Φ18.5	5	360	460	15	161	870
200L	55	110	16	49	350	300	400	0	4-Φ18.5	5	400	510	17	186	940
225S	60	140	18	53	400	350	450	0	8-Φ18.5	5	450	555	20	189	960
225M	60	140	18	53	400	350	450	0	8-Φ18.5	5	450	550	20	189	990
250M	65	140	18	58	500	450	550	0	8-Φ18.5	5	485	625	22	207	1095
280S	75	140	20	67.5	500	450	550	0	8-Φ18.5	5	550	685	22	215	1210
280M	75	140	20	67.5	500	450	550	0	8-Φ18.5	5	550	685	22	215	1285
315S	80	170	22	71	600	550	660	0	8-Φ24	6	625	845	22	257	1420
315M,L	80	170	22	71	600	550	660	0	8-Φ24	6	625	845	22	257	1530
355M	95	170	25	86	740	680	800	0	8-Φ24	6	710	970	25	284	1790
355L	95	170	25	86	740	680	800	0	8-Φ24	6	710	970	25	284	1790
400M,L	110	210	28	100	940	880	1000	0	8-Φ28	6	860	1100	25	362	2200

注：R为凸缘配合面到轴伸肩的距离Rmark；R=distance from flange to shaft shoulder.



B_s

机座号 Frame Size	安装尺寸 Mounting Dimensions and tolerance											外形尺寸 Overall dimensions(mm)				
	D	E	F	G	M	N	P	R	S	T		AC	HD	LA	LD	L
80	19	40	6	15.5	165	130	200	0	4-Φ12	4		160	225	12	75	355
90S	24	50	8	20	165	130	200	0	4-Φ12	4		180	245	12	75	385
90L	24	50	8	20	165	130	200	0	4-Φ12	4		180	245	12	75	410
100L	28	60	8	24	215	180	250	0	4-Φ14.5	4		200	280	13	83	450
112M	28	60	8	24	215	180	250	0	4-Φ14.5	4		220	305	14	87	460
132S	38	80	10	33	265	230	300	0	4-Φ14.5	4		260	355	14	102	520
132M	38	80	10	33	265	230	300	0	4-Φ14.5	4		260	355	14	102	560
160M	42	110	12	37	300	250	350	0	4-Φ18.5	5		315	425	15	146	697
160L	42	110	12	37	300	250	350	0	4-Φ18.5	5		315	425	15	146	752
180M	48	110	14	42.5	300	250	350	0	4-Φ18.5	5		360	460	15	161	770
180L	48	110	14	42.5	300	250	350	0	4-Φ18.5	5		360	460	15	161	810
200L	55	110	16	49	350	300	400	0	4-Φ18.5	5		400	510	17	186	870
225S	60	140	18	53	400	350	450	0	8-Φ18.5	5		450	555	20	189	900
225M	60	140	18	53	400	350	450	0	8-Φ18.5	5		450	550	20	189	930
250M	65	140	18	58	500	450	550	0	8-Φ18.5	5		485	625	22	207	1000
280S	75	140	20	67.5	500	450	550	0	8-Φ18.5	5		550	685	22	215	1000
280M	75	140	20	67.5	500	450	550	0	8-Φ18.5	5		550	685	22	215	1155

注：R为凸缘配合面到轴伸肩的距离Rmark：R=distance from flange to shaft shoulder.

Q 轴承 Bearings(Y2VP)

机座号 Frame Size	轴伸端Driving End		非轴伸端Non-driving End	
	4极(pole)	≥6(pole)	4极(pole)	≥6(pole)
80	6204ZZ	6204ZZ	6204ZZ	6204ZZ
90	6205ZZ/C3	6205ZZ	6205ZZ/C3	6205ZZ
100	6206ZZ/C3	6206ZZ/C3	6206ZZ/C3	6206ZZ/C3
112	6306ZZ/C3	6306ZZ/C3	6306ZZ/C3	6306ZZ/C3
132	6308ZZ/C3	6308ZZ/C3	6308ZZ/C3	6308ZZ/C3
160	6309ZZ/C3	6309ZZ/C3	6309ZZ/C3	6309ZZ/C3
180	6311C3	6311C3	6311C3	6311C3
200	6312C3	6312C3	6312C3	6312C3
225	6313C3	6313C3	6313C3	6313C3
250	6314C3	6314C3	6314C3	6314C3
280	6317C3	6317C3	6317C3	6317C3
315	6319C3	6319C3	6319C3/7319B(V1)	6319C3/7319B(V1)
355	6322C3	6322C3	6320C3/7320B(V1)	6320C3/7320B(V1)
400	6326C3	6326C3	6326C3/7326B(V1)	6326C3/7326B(V1)

机座号大于等于315，非轴伸端轴承推荐使用绝缘轴承。绝缘轴承一般安装在非轴伸端。当非轴伸端使用角接触轴承时也可以安装在轴伸端。
Frame size 315 and above, it's better to use insulated bearing. Insulated bearing normally mounted on NDE, however can be on DE for motor with angle-contact bearing at NDE.

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机座号 Motor Fram	风机型号 Fan Type	电压 Voltage	功率 Power	转速 Speed	风量 air flow	噪音 Noise
		V	KW	RPM	M ³ /h	db
80	G80A	380	30	2300	330	62
90	G90A	380	42	2800	500	65
100	G100A	380	52	2800	660	67
112	G112A	380	60	2730	900	70
132	G132A	380	40	1300	780	70
160	G160A	380	80	1350	1300	70
180	G180A	380	80	1350	1300	70
200	G200A	380	150	1350	2400	70
225	G225A	380	200	1350	4200	74
250	G250A	380	230	1350	4200	77
280	G280A	380	450	1400	5000	77
315	G315A	380	450	1400	6200	82
355	G355A	380	650	1400	6500	85
400	G400A	380	1100	1400	7000	88