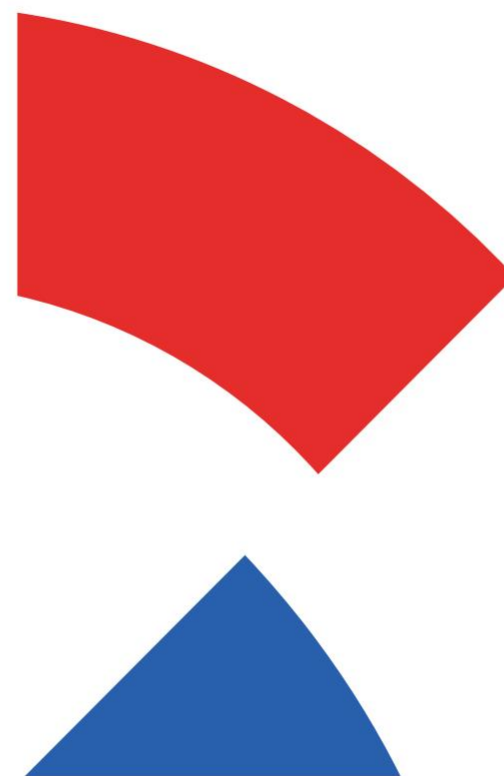


Science and  
technology  
benefit a better life<sup>o</sup>



**JULANTE**  
ELECTRICAL&MECHANICAL TECHNOLOGY



**TAIZHOU JULANTE ELECTROMECHANICAL TECHNOLOGY CO., LTD.**

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## COMPANY PROFILE

Taizhou Julante Electromechanical Technology Co.,Ltd. (Wenling Shengzhen Motor Plant which was founded in August, 1993) has constantly developed over years. Shanghai Cheng bang Electromechanical Co., Ltd. was founded after the registration in Shanghai in April 2004. Taizhou Aoxiang Electromechanical Co., Ltd. was founded after the registration in Taizhou in December 2005. Taizhou Julante Electromechanical Technology Co., Ltd. was founded in June 2011. At present, the company has 4 registered trademarks including Aoxiang, Chengbang, Shenzhe and Julante.

In 2011, the company invested RMB20 million in building a standard three-storey plant which comes into service currently, with a building area of 10,000 square meters. Our company has adopted automatic production lines. We also have updated and bought the most advanced testing equipment such as full-automatic computer testers at home..By utilizing an advanced management mode, the company can produce high- and low-power motors , and welding machines such as plasma cutting welding machines, inverter welding machines, all types of electric welding machines and argon arc welding machines. Meanwhile.it can also produce water pumps.air compressors.grinders.bench drills. cutting machines, axial flow fans. etc.

The company has 50 managers at different posts, 30 R & D technicians, and 270 production employees. It realizes an annual productivity of 500,000 motors and 300,000 electric welding machines. Its sales network spreads all over provinces, municipalities and autonomous regions. Thanks to its top quality and perfect after-sales service, the company has won trust of customers. Meanwhile, its products win favor of overseas customers. At present, its products are exported to more than 20 countries and areas such as the United States, Korea, Russia,Southeast Asia, Africa and Europe.In the future, the company will carry out independent research and development of many projects in the fields of special motors and special electric welding machines. It will gradually transform from an enterprise engaging in traditional industries to a high-tech enterprise, making an effort to make glorious performance in the development history of the special electromechanical industry of China.



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**IE1** PGAE  
01-05

HIGH EFFICIENCY  
THREE-PHASE  
ASYNCHRONOUS MOTOR  
高效率三相异步电动机



**IE2** PGAE  
06-09

HIGH EFFICIENCY  
THREE-PHASE  
ASYNCHRONOUS MOTOR  
高效率三相异步电动机



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HIGH EFFICIENCY  
THREE-PHASE  
ASYNCHRONOUS MOTOR  
高效率三相异步电动机



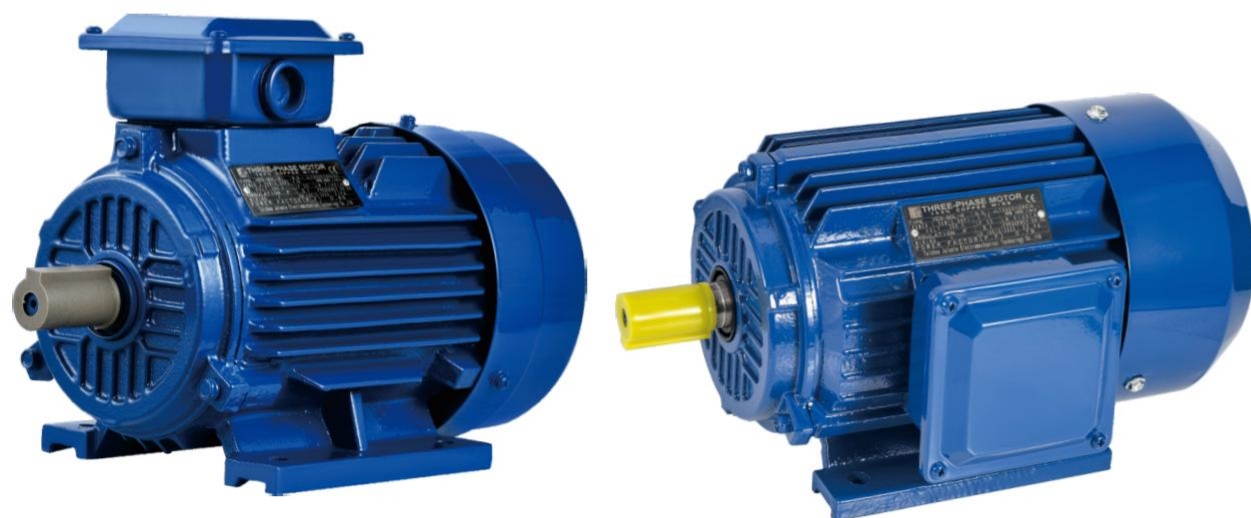
**YE3** PGAE  
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HIGH EFFICIENCY  
THREE-PHASE  
ASYNCHRONOUS MOTOR  
高效率三相异步电动机



**YCL** PGAE  
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SINGLE-CAPACITOR  
RUNNING  
ASYNCHRONOUS MOTOR  
单相异步电动机



## THREE-PHASE ASYNCHRONOUS MOTOR IE1 高效率三相异步电动机

The IE1 series three-phase asynchronous motors meet the IE1 energy efficiency level of the IEC60034-30:2008 standard.

The installation dimensions of the IE1 series three-phase asynchronous motors comply with the IEC60034 standard, and have the advantages of reasonable structure, beautiful appearance, low noise, high attachment level, and high insulation level. They can be widely used to drive various general mechanical equipment such as fans, water pumps, machine tools, compressor transportation machinery, and can also be used in other harsh environments such as petroleum, chemical, steel, and mining.

IE1系列三相异步电动机符合IEC60034-30:2008标准的IE1能效等级。  
IE1系列三相异步电机的安装尺寸符合IEC60034标准，具有结构合理，外表美观、噪声低、防护等级高、绝缘等级高等优点，可广泛应用于风机、水泵、机床、压缩机运输机械等驱动各种通用机械设备，也可在石油、化工、钢铁、矿山等其它环境比较恶劣的场所使用。

### Technical Data:

Ambient Temperature:  $-15^{\circ}\text{C} \leq 0 \leq 40^{\circ}\text{C}$   
 Altitude: up to 1000m above sea level  
 Rated Voltage: 220/380V, 230/400V, 380/660V, 400/690V  
 Rated Frequency: 50Hz, 60Hz  
 Connection: Star for 3kW and below, Delta for 4kW and above  
 Duty Type: Continuous (S1)

### 产品相关参数:

环境空气温度:  $-15^{\circ}\text{C} \leq 0 \leq 40^{\circ}\text{C}$   
 海拔: 不超过1000米  
 额定电压: 220/380V; 230/440V; 380/660V; 400/690V  
 额定频率: 50Hz或60Hz  
 接法: 3kW及以下规格为Y接法, 4kW及以上规格为 $\Delta$ 接法  
 工作方法: 连续 (S1)

## Technical Data 技术数据

电机型号 Type No.	额定功率 Rated output		额定电流			额定转速 Rated speed (r/min)	额定电流			额定转速 Rated speed (r/min)	效率 EFF %	功率因素 Power factor cos $\phi$	额定转矩 Rated Torque N.m	堵转转矩	堵转电流	最大转矩	噪声 Noise level LW dB(A)	重量 Weight (Kg)
			Rated current IFL 380V A	Rated current IFL 400V A	Rated current IFL 420V A		Rated current IFL 440V A	Rated current IFL 460V A	Rated current IFL 480V A					堵转转矩 Locked Torque	堵转电流 Locked Current	最大转矩 Max Torque		
		380 ~ 420V/50Hz			440 ~ 480V/60Hz													
Synchronous speed 3000r/min																		
IE1-63M1-2	0.18	0.25	0.53	0.50	0.48	2720	0.46	0.44	0.42	3260	65.0	0.80	0.6	2.2	5.5	2.2	61	7
IE1-63M2-2	0.25	0.37	0.69	0.66	0.62	2720	0.60	0.57	0.55	3260	68.0	0.81	0.9	2.2	5.5	2.2	61	8
IE1-71M1-2	0.37	0.55	0.99	0.94	0.90	2740	0.86	0.82	0.78	3285	70.0	0.81	1.3	2.2	6.1	2.2	64	10
IE1-71M2-2	0.55	0.75	1.4	1.33	1.27	2740	1.21	1.16	1.11	3285	73.0	0.82	1.9	2.2	6.1	2.3	64	11
IE1-80M1-2	0.75	1.0	1.83	1.74	1.66	2825	1.58	1.51	1.45	3390	75.0	0.83	2.5	2.2	6.1	2.3	67	15
IE1-80M2-2	1.1	1.5	2.61	2.48	2.36	2825	2.25	2.16	2.07	3390	77.0	0.84	3.7	2.2	7.0	2.3	67	16
IE1-90S-2	1.5	2.0	3.46	3.29	3.13	2840	2.99	2.86	2.74	3405	79.0	0.84	5.0	2.2	7.0	2.3	72	19
IE1-90L-2	2.2	3.0	4.85	4.61	4.39	2840	4.19	4.01	3.84	3405	81.0	0.85	7.4	2.2	7.0	2.3	72	22
IE1-100L-2	3	4.0	6.34	6.02	5.74	2870	5.48	5.24	5.02	3440	83.0	0.87	10.0	2.2	7.5	2.3	76	32
IE1-112M-2	4	5.5	8.20	7.79	7.42	2880	7.08	6.77	6.49	3455	85.0	0.88	13.3	2.2	7.5	2.3	77	39
IE1-132S1-2	5.5	7.5	11.1	10.5	10.0	2900	9.59	9.17	8.79	3480	86.0	0.88	18.1	2.2	7.5	2.3	80	58
IE1-132S2-2	7.5	10	14.9	14.2	13.5	2900	12.9	12.3	11.8	3480	87.0	0.88	24.7	2.2	7.5	2.3	80	66
IE1-160M1-2	11	15	21.2	20.1	19.2	2930	18.3	17.5	16.8	3515	88.4	0.89	35.9	2.2	7.5	2.3	86	104
IE1-160M2-2	15	20	28.6	27.2	25.9	2930	24.7	23.6	22.6	3515	89.4	0.89	48.9	2.2	7.5	2.3	86	112
IE1-160L-2	18.5	25	34.7	33.0	31.4	2930	30.0	28.7	27.5	3515	90.0	0.90	60.3	2.2	7.5	2.3	86	132
IE1-180M-2	22	30	41.0	39.0	37.1	2940	35.4	33.9	32.5	3525	90.5	0.90	71.5	2.0	7.5	2.3	89	162
IE1-200L1-2	30	40	55.4	52.6	50.1	2950	47.9	45.8	43.9	3540	91.4	0.90	97.1	2.0	7.5	2.3	92	225
IE1-200L2-2	37	50	67.9	64.5	61.4	2950	58.6	56.1	53.8	3540	92.0	0.90	119.8	2.0	7.5	2.3	92	245
IE1-225M-2	45	60	82.1	78.0	74.3	2960	70.9	67.8	65.0	3550	92.5	0.90	145.2	2.0	7.5	2.3	92	290
IE1-250M-2	55	75	99.8	94.8	90.3	2965	86.2	82.4	79.0	3555	93.0	0.90	177.2	2.0	7.5	2.3	93	367
IE1-230S2	75	100	135.3	128.5	122.4	2970	116.9	111.8	107.1	3560	93.6	0.90	241.2	2.0	7.5	2.3	94	495
IE1-280M-2	90	120	160.0	152.0	144.8	2970	138.2	132.2	126.7	3560	93.9	0.91	289.4	2.0	7.5	2.3	94	540
IE1-315S-2	110	150	195.4	185.6	176.8	2975	168.8	161.4	154.7	3570	94.0	0.91	353.1	1.8	7.1	2.2	96	880
IE1-315M-2	132	180	233.2	221.5	211.0	2975	201.4	192.6	184.6	3570	94.5	0.91	423.7	1.8	7.1	2.2	96	1000
IE1-315L1-2	160	220	279.3	265.3	252.7	2975	241.2	230.7	221.1	3570	94.6	0.92	513.6	1.8	7.1	2.2	99	1080
IE1-315L2-2	200	270	348.4	331.0	315.2	2975	300.9	287.8	275.8	3570	94.8	0.92	642.0	1.8	7.1	2.2	99	1130
IE1-355M-2	250	340	433.7	412.0	392.4	2980	374.6	358.3	343.4	3575	95.3	0.92	801.2	1.6	7.1	2.2	103	1560
IE1-355L-2	315	430	545.3	518.0	493.4	2980	470.9	450.5	431.7	3575	95.6	0.92	1009.5	1.6	7.1	2.2	103	1740

**Technical Data** 技术数据

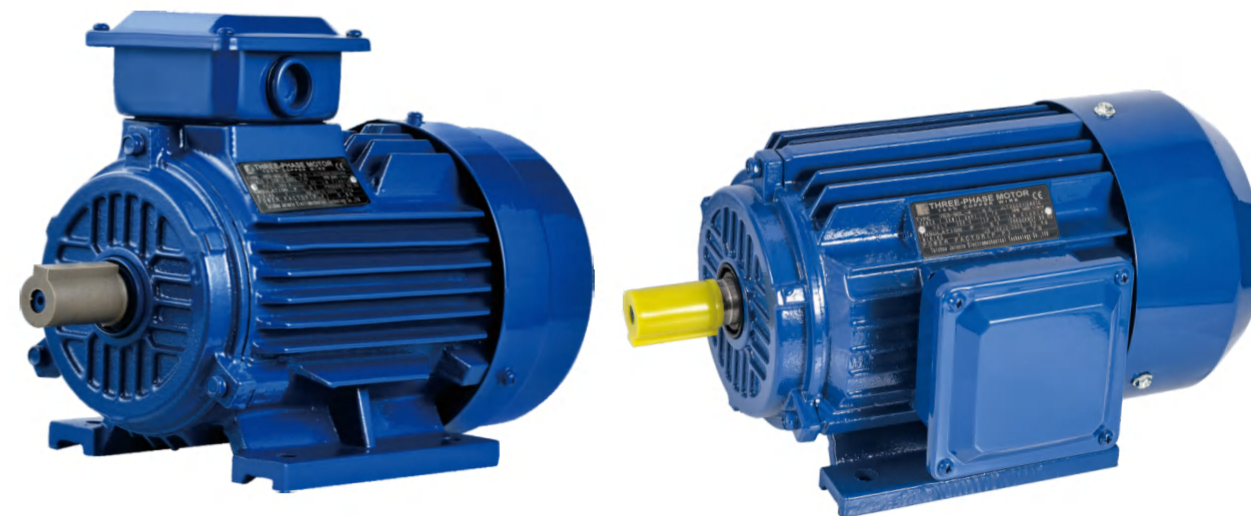
电机型号 Type No.	额定功率 Rated output		额定电流			额定转速 Rated speed (r/min)	额定电流			效率 EFF %	功率因素 Power factor cosφ	额定转矩 Rated Torque N.m	堵转转矩 Locked Torque	堵转电流 Locked Current	最大转矩 Max Torque	噪声 Noise level LW dB(A)	重量 Weight (Kg)	
			Rated current IFL 380V A	Rated current IFL 400V A	Rated current IFL 420V A		Rated current IFL 440V A	Rated current IFL 460V A	Rated current IFL 480V A									Rated Torque TST/TFL
			380 ~ 420V/50Hz			440 ~ 480V/60Hz												
<b>Synchronous speed 1500r/min</b>																		
IE1-63M1-4	0.12	0.18	0.44	0.42	0.40	1310	0.38	0.36	0.35	1570	57.0	0.72	0.9	2.1	4.4	2.2	52	7.5
IE1-63M2-4	0.18	0.25	0.62	0.59	0.56	1310	0.54	0.51	0.49	1570	60.0	0.73	1.3	2.1	4.4	2.2	52	8.5
IE1-71M1-4	0.25	0.37	0.79	0.75	0.71	1330	0.68	0.65	0.63	1595	65.0	0.74	1.8	2.1	5.2	2.2	55	10.5
IE1-71M2-4	0.37	0.55	1.12	1.06	1.01	1330	0.97	0.93	0.89	1595	67.0	0.75	2.7	2.1	5.2	2.2	55	11.5
IE1-80M1-4	0.55	0.75	1.57	1.49	1.42	1390	1.36	1.30	1.24	1665	71.0	0.75	3.8	2.4	5.2	2.3	58	15
IE1-80M2-4	0.75	1.00	2.05	1.95	1.85	1390	1.77	1.69	1.62	1665	73.0	0.76	5.2	2.3	6.0	2.3	58	16
IE1-90S-4	1.1	1.5	2.85	2.71	2.58	1400	2.46	2.35	2.26	1680	76.2	0.77	7.6	2.3	6.0	2.3	61	20
IE1-90L-4	1.5	2.0	3.68	3.50	3.33	1400	3.18	3.04	2.91	1680	78.5	0.79	10.3	2.3	6.0	2.3	61	23
IE1-100L1-4	2.2	3.0	5.09	4.84	4.61	1420	4.40	4.20	4.03	1700	81.0	0.81	14.9	2.3	7.0	2.3	64	31
IE1-100L2-4	3	4.0	6.73	6.39	6.09	1420	5.81	5.56	5.33	1700	82.6	0.82	20.3	2.3	7.0	2.3	64	35
IE1-112M-4	4	5.5	8.80	8.36	7.96	1440	7.60	7.27	6.97	1725	84.2	0.82	26.5	2.3	7.0	2.3	65	41
IE1-132S-4	5.5	7.5	11.7	11.1	10.6	1440	10.1	9.67	9.26	1725	85.7	0.83	36.5	2.3	7.0	2.3	71	60
IE1-132M-4	7.5	10.0	15.6	14.8	14.1	1440	13.5	12.9	12.4	1725	87.0	0.84	49.7	2.3	7.0	2.3	71	74
IE1-160M-4	11	15	22.5	21.4	20.4	1460	19.4	18.6	17.8	1750	88.4	0.84	72.0	2.2	7.0	2.3	75	108
IE1-160L-4	15	20	30.0	28.5	27.1	1460	25.9	24.8	23.8	1750	89.4	0.85	98.1	2.2	7.5	2.3	75	128
IE1-180M-4	18.5	25	36.3	34.5	32.8	1465	31.4	30.0	28.7	1755	90.5	0.86	120.2	2.2	7.5	2.3	76	158
IE1-180L-4	22	30	42.9	40.8	38.8	1465	37.1	35.4	34.0	1755	91.0	0.86	142.9	2.2	7.5	2.3	76	172
IE1-200L-4	30	40	58.0	55.1	52.5	1470	50.1	47.9	45.9	1760	92.0	0.86	194.9	2.2	7.2	2.3	79	241
IE1-225S-4	37	50	70.2	66.7	63.5	1475	60.6	58.0	55.6	1770	92.5	0.87	239.6	2.2	7.2	2.3	81	280
IE1-225M-4	45	60	85.0	80.8	76.9	1475	73.4	70.2	67.3	1770	92.8	0.87	291.4	2.2	7.2	2.3	81	305
IE1-250M-4	55	75	103.3	98.1	93.5	1475	89.2	85.3	81.8	1770	93.0	0.87	354.9	2.2	7.2	2.3	83	375
IE1-280S-4	75	100	139.3	132.3	126.0	1480	120.3	115.1	110.3	1775	93.8	0.87	484.0	2.2	7.2	2.3	86	507
IE1-280M-4	90	120	167.4	159.0	151.5	1480	144.6	138.3	132.5	1775	94.2	0.87	580.7	2.2	7.2	2.3	86	572
IE1-315S-4	110	150	201.0	191.0	181.9	1480	173.6	166.0	159.1	1775	94.5	0.88	709.8	2.1	6.9	2.2	93	930
IE1-315M-4	132	180	240.4	228.4	217.5	1480	207.6	198.6	190.3	1775	94.8	0.88	851.8	2.1	6.9	2.2	93	1050
IE1-315L1-4	160	220	287.8	273.4	260.4	1480	248.6	237.8	227.8	1775	94.9	0.89	1032.4	2.1	6.9	2.2	97	1110
IE1-315L2-4	200	270	359.8	341.8	325.5	1480	310.7	297.2	284.8	1775	95.0	0.89	1290.5	2.1	6.9	2.2	97	1180
IE1-355M-4	250	340	443.3	421.1	401.1	1490	382.9	366.2	351.0	1785	95.3	0.90	1602.3	2.1	6.9	2.2	101	1580
IE1-355L-4	315	430	558.6	530.7	505.4	1490	482.4	461.5	442.2	1785	95.6	0.90	2019.0	2.1	6.9	2.2	101	1750

**Technical Data** 技术数据

电机型号 Type No.	额定功率 Rated output		额定电流			额定转速 Rated speed (r/min)	额定电流			效率 EFF %	功率因素 Power factor cosφ	额定转矩 Rated Torque N.m	堵转转矩 Locked Torque	堵转电流 Locked Current	最大转矩 Max Torque	噪声 Noise level LW dB(A)	重量 Weight (Kg)	
			Rated current IFL 380V A	Rated current IFL 400V A	Rated current IFL 420V A		Rated current IFL 440V A	Rated current IFL 460V A	Rated current IFL 480V A									Rated Torque TST/TFL
			380 ~ 420V/50Hz			440 ~ 480V/60Hz												
<b>Synchronous speed 1000r/min</b>																		
IE1-71M1-6	0.18	0.25	0.74	0.70	0.67	850	0.64	0.61	0.59	1020	56.0	0.66	2.0	1.9	4.0	2.0	52	10
IE1-71M2-6	0.25	0.37	0.95	0.90	0.86	850	0.82	0.78	0.75	1020	59.0	0.68	2.8	1.9	4.0	2.0	52	11
IE1-80M1-6	0.37	0.50	1.30	1.24	1.18	900	1.12	1.07	1.03	1080	62.0	0.70	4.0	1.9	4.7	2.0	54	15
IE1-80M2-6	0.55	0.75	1.79	1.70	1.62	900	1.55	1.48	1.42	1080	65.0	0.72	5.9	1.9	4.7	2.1	54	16
IE1-90S-6	0.75	1.00	2.29	2.18	2.07	910	1.98	1.89	1.81	1090	69.0	0.72	7.9	2.0	5.5	2.1	57	20
IE1-90L-6	1.1	1.5	3.18	3.02	2.88	910	2.75	2.63	2.52	1090	72.0	0.73	11.5	2.0	5.5	2.1	57	23
IE1-100L-6	1.5	2.0	4.00	3.80	3.62	930	3.45	3.30	3.17	1115	76.0	0.75	15.6	2.0	5.5	2.1	61	30
IE1-112M-6	2.2	3.0	5.57	5.29	5.04	940	4.81	4.60	4.41	1125	79.0	0.76	22.5	2.0	6.5	2.1	65	39
IE1-132S-6	3	4.0	7.40	7.03	6.70	960	6.39	6.11	5.86	1150	81.0	0.76	29.8	2.1	6.5	2.1	69	55
IE1-132M1-6	4	5.5	9.75	9.26	8.82	960	8.42	8.05	7.72	1150	82.0	0.76	39.8	2.1	6.5	2.1	69	68
IE1-132M2-6	5.5	7.5	12.9	12.3	11.7	960	11.1	10.7	10.2	1150	84.0	0.77	54.4	2.1	6.5	2.1	69	73
IE1-160M-6	7.5	10.0	17.2	16.3	15.6	970	14.9	14.2	13.6	1160	86.0	0.77	73.8	2.0	6.5	2.1	73	104
IE1-160L-6	11	15	24.5	23.3	22.2	970	21.2	20.2	19.4	1160	87.5	0.78	108.3	2.0	6.5	2.1	73	126
IE1-180L-6	15	20	31.6	30.0	28.6	970	27.3	26.1	25.0	1160	89.0	0.81	147.7	2.0	7.0	2.1	73	168
IE1-200L1-6	18.5	25	38.6	36.7	34.9	975	33.3	31.9	30.6	1170	90.0	0.81	180.3	2.1	7.0	2.1	76	215
IE1-200L2-6	22	30	44.7	42.5	40.4	975	38.6	36.9	35.4	1170	90.0	0.83	214.4	2.1	7.0	2.1	76	238
IE1-225M-6	30	40	59.3	56.3	53.7	980	51.2	49.0	47.0	1175	91.5	0.84	292.3	2.0	7.0	2.1	76	280
IE1-250M-6	37	50	71.1	67.6	64.3	980	61.4	58.7	56.3	1175	92.0	0.86	360.6	2.1	7.0	2.1	78	350
IE1-280S-6	45	60	85.9	81.6	77.7	980	74.2	71.0	68.0	1175	92.5	0.86	438.5	2.1	7.0	2.0	80	463
IE1-280M-6	55	75	104.7	99.5	94.7	980	90.4	86.5	82.9	1175	92.8	0.86	536.0	2.1	7.0	2.0	80	508
IE1-315S-6	75	100	141.7	134.6	128.2	985	122.4	117.1	112.2	1180	93.5	0.86	727.2	2.0	7.0	2.0	85	860
IE1-315M-6	90	120	169.5	161.0	153.4	985	146.4	140.0	134.2	1180	93.8	0.86	872.6	2.0	7.0	2.0	85	980
IE1-315L1-6	110	150	206.7	196.4	187.0	985	178.5	170.8	163.6	1180	94.0	0.86	1066.5	2.0	6.7	2.0	85	1060
IE1-315L2-6	132	180	244.7	232.5	221.4	985	211.3	202.1	193.7	1180	94.2	0.87	1279.8	2.0	6.7	2.0	85	1135
IE1-355M1-6	160	220	292.3	277.7	264.5	990	252.4	241.5	231.4	1185	94.5	0.88	1543.4	1.9	6.7	2.0	92	1480
IE1-355M2-6	200	270	365.4	347.1	330.6	990	315.6	301.9	289.3	1185	94.7	0.88	1929.3	1.9	6.7	2.0	92	1640
IE1-355L-6	250	340	456.8	434.0	413.3	990	394.5	377.4	361.6	1185	94.9	0.88	2411.6	1.9	6.7	2.0	92	1810

**Technical Data** 技术数据

电机型号 Type No.	额定功率 Rated output		额定电流			额定转速 Rated speed (r/min)	额定电流			额定转速 Rated speed (r/min)	效率 EFF %	功率因素 Power factor cosφ	额定转矩 Rated Torque N.m	堵转转矩	堵转电流	最大转矩	噪声 Noise level LW dB(A)	重量 Weight (Kg)
			Rated current IFL A	Rated current IFL A	Rated current IFL A		堵转转矩 Locked Torque	堵转电流 Locked Current	最大转矩 Max Torque									
IE1	(kW)	HP	380 ~ 420V/50Hz			440 ~ 480V/60Hz												
<b>Synchronous speed 750r/min</b>																		
IE1-80M1-8	0.18	0.25	0.88	0.84	0.80	650	0.76	0.73	0.70	780	51.0	0.61	2.7	1.8	3.3	1.9	52	15
IE1-80M2-8	0.25	0.37	1.15	1.09	1.04	650	0.99	0.95	0.91	780	54.0	0.61	3.7	1.8	3.3	1.9	52	16
IE1-90S-8	0.37	0.50	1.49	1.42	1.35	660	1.29	1.23	1.18	790	62.0	0.61	5.3	1.8	4.0	1.9	56	20
IE1-90L-8	0.55	0.75	2.17	2.06	1.96	660	1.87	1.79	1.72	790	63.0	0.61	7.8	1.8	4.0	2.0	56	24
IE1-100L1-8	0.75	1.00	2.40	2.28	2.17	690	2.07	1.98	1.90	825	71.0	0.67	10.5	1.8	4.0	2.0	59	28
IE1-100L2-8	1.1	1.5	3.32	3.15	3.00	690	2.87	2.74	2.63	825	73.0	0.69	15.4	1.8	5.0	2.0	59	30
IE1-112M-8	1.5	2.0	4.40	4.18	3.98	700	3.80	3.63	3.48	840	75.0	0.69	20.8	1.8	5.0	2.0	61	38
IE1-132S-8	2.2	3.0	6.04	5.74	5.46	710	5.22	4.99	4.78	850	78.0	0.71	29.8	1.8	6.0	2.0	64	54
IE1-132M-8	3	4.0	7.90	7.51	7.15	710	6.82	6.53	6.25	850	79.0	0.73	40.6	1.8	6.0	2.0	64	63
IE1-160M1-8	4	5.5	10.3	9.79	9.32	720	8.90	8.51	8.15	860	81.0	0.73	53.1	1.9	6.0	2.0	68	91
IE1-160M2-8	5.5	7.5	13.6	12.9	12.3	720	11.8	11.2	10.8	860	83.0	0.74	73.0	2.0	6.0	2.0	68	103
IE1-160L-8	7.5	10.0	17.8	16.9	16.1	720	15.4	14.7	14.1	860	85.5	0.75	99.5	2.0	6.0	2.0	68	128
IE1-180L-8	11	15	25.1	23.9	22.7	730	21.7	20.7	19.9	875	87.5	0.76	143.9	2.0	6.6	2.0	70	165
IE1-200L-8	15	20	34.1	32.4	30.9	730	29.5	28.2	27.0	875	88.0	0.76	196.2	2.0	6.6	2.0	73	224
IE1-225S-8	18.5	25	41.1	39.1	37.2	730	35.5	34.0	32.5	875	90.0	0.76	242.0	1.9	6.6	2.0	73	255
IE1-225M-8	22	30	47.4	45.0	42.9	730	40.9	39.2	37.5	875	90.5	0.78	287.8	1.9	6.6	2.0	73	292
IE1-250M-8	30	40	63.4	60.2	57.4	735	54.8	52.4	50.2	880	91.0	0.79	389.8	1.9	6.6	2.0	75	368
IE1-280S-8	37	50	77.8	73.9	70.4	735	67.2	64.3	61.6	880	91.5	0.79	480.7	1.9	6.6	2.0	76	475
IE1-280M-8	45	60	94.1	89.4	85.1	735	81.3	77.7	74.5	880	92.0	0.79	584.7	1.9	6.6	2.0	76	527
IE1-315S-8	55	75	111.2	105.6	100.6	735	96.0	91.9	88.0	880	92.8	0.81	714.6	1.8	6.6	2.0	82	840
IE1-315M-8	75	100	151.3	143.7	136.9	735	130.7	125.0	119.8	880	93.0	0.81	974.5	1.8	6.6	2.0	82	1020
IE1-315L1-8	90	120	177.8	168.9	160.9	740	153.6	146.9	140.8	885	93.8	0.82	1169.4	1.8	6.6	2.0	82	1100
IE1-315L2-8	110	150	216.8	206.0	196.2	740	187.2	179.1	171.6	885	94.0	0.82	1429.3	1.8	6.4	2.0	82	1180
IE1-355M1-8	132	180	261.0	248.0	236.1	740	225.4	215.6	206.6	885	93.7	0.82	1703.5	1.8	6.4	2.0	90	1610
IE1-355M2-8	160	220	314.7	299.0	284.7	740	271.8	260.0	249.1	885	94.2	0.82	2064.9	1.8	6.4	2.0	90	1700
IE1-355L-8	200	270	387.4	368.0	350.5	740	334.6	320.0	306.7	885	94.5	0.83	2581.1	1.8	6.4	2.0	90	1850
<b>Synchronous speed 600r/min</b>																		
IE1-315S-10	45	60	99.6	94.6	90.1	590	86.0	82.3	78.9	705	91.5	0.75	728.4	1.5	6.2	2.0	82	830
IE1-315M-10	55	75	121.1	115.1	109.6	590	104.6	100.0	95.9	705	92.0	0.75	890.3	1.5	6.2	2.0	82	960
IE1-315L1-10	75	100	162.1	154.0	146.7	590	140.0	133.9	128.3	705	92.5	0.76	1214.0	1.5	6.2	2.0	82	1080
IE1-315L2-10	90	120	191.0	181.5	172.8	590	165.0	157.8	151.2	705	93.0	0.77	1456.8	1.5	6.2	2.0	82	1150
IE1-355M1-10	110	150	229.9	218.4	208.0	590	198.6	189.9	182.0	705	93.2	0.78	1780.5	1.3	6.0	2.0	90	1565
IE1-355M2-10	132	180	275.0	261.3	248.3	590	237.5	227.2	217.7	705	93.5	0.78	2136.6	1.3	6.0	2.0	90	1685
IE1-355L-10	160	220	333.3	316.6	301.6	590	287.9	275.3	263.9	705	93.5	0.78	2589.8	1.3	6.0	2.0	90	1830


**HIGHEFFICIENCY THREE-PHASE ASYNCHRONOUS MOTOR**
**IE2 高效率三相异步电动机**

The IE2 series three-phase asynchronous motors meet the IE2 energy efficiency level of the IEC60034-30:2008 standard.

The installation dimensions of the IE2 series three-phase asynchronous motors comply with the IEC60034 standard. They have the advantages of reasonable structure, beautiful appearance, low noise, high protection level, and high insulation level, and can be widely used in wind turbines.

Water pumps, machine tools, compressors, transportation machinery, and other general-purpose mechanical equipment can also be used in petroleum, chemical, steel, mining, and other environments where the environment is relatively harsh.

IE2系列三相异步电动机符合IEC60034-30:2008 标准的IE2能效等级。  
IE2系列三相异步电机的安装尺寸符合IEC60034标准，具有结构合理，外表美观、噪声低、防护等级高、绝缘等级高等优点，可广泛应用于风机。  
水泵、机床、压缩机运输机械等驱动各种通用机械设备，也可在石油、化工、钢铁、矿山等其它环境比较恶劣的场所使用。

**Technical Data:**

Ambient Temperature:  $-15^{\circ}\text{C} \leq 0 \leq 40^{\circ}\text{C}$   
 Altitude: up to 1000m above sea level  
 Rated Voltage: 220/380V, 230/400V, 380/660V, 400/690V  
 Rated Frequency: 50Hz, 60Hz  
 Connection: Star for 3kW and below, Delta for 4kW and above  
 Duty Type: Continuous (S1)

**产品相关参数:**

环境空气温度:  $-15^{\circ}\text{C} \leq 0 \leq 40^{\circ}\text{C}$   
 海拔: 不超过1000米  
 额定电压: 220/380V; 230/440V; 380/660V; 400/690V  
 额定频率: 50Hz或60Hz  
 接法: 3kW及以下规格为Y接法, 4kW及以上规格为Δ接法  
 工作方法: 连续 (S1)

**Technical Data** 技术数据

电机型号 Type No.	额定功率 Rated output		额定电流			额定 转速 Rated speed (r/min)	额定电流			效率 EFF %	功率 因素 Power factor cosφ	额定 转矩 Rated Torque N.m	堵转转矩 额定转矩 Locked Torque	堵转电流 额定电流 Locked Current	最大转矩 额定转矩 Max Torque	噪声 Noise level LW dB(A)	重量 Weight (Kg)	
			Rated current IFL 380V A	Rated current IFL 400V A	Rated current IFL 420V A		Rated current IFL 440V A	Rated current IFL 460V A	Rated current IFL 480V A									Rated Torque TST/TFL
			380 ~ 420V/50Hz			440 ~ 480V/60Hz												
Synchronous speed 3000r/min																		
IE2-80M1-2	0.75	1.0	1.8	1.71	1.63	2855	1.55	1.49	1.43	3425	77.4	0.82	2.51	2.2	7.0	2.3	62	16
IE2-80M2-2	1.1	1.5	2.5	2.38	2.26	2870	2.16	2.07	1.98	3440	79.6	0.83	3.66	2.2	7.3	2.3	62	17
IE2-90S-2	1.5	2.0	3.3	3.14	2.99	2865	2.85	2.73	2.61	3435	81.3	0.84	5	2.2	7.6	2.3	67	20
IE2-90L-2	2.2	3.0	4.7	4.47	4.25	2870	4.06	3.88	3.72	3440	83.2	0.85	7.32	2.2	7.6	2.3	67	23
IE2-100L-2	3	4.0	6.2	5.89	5.61	2875	5.35	5.12	4.91	3450	84.6	0.87	10	2.2	7.8	2.3	74	34
IE2-112M-2	4	5.5	8.0	7.60	7.24	2910	6.91	6.61	6.33	3490	85.8	0.88	13.1	2.2	8.3	2.3	77	42
IE2-132S1-2	5.5	7.5	10.9	10.4	9.86	2935	9.41	9.00	8.63	3520	87.0	0.88	17.9	2.0	8.3	2.3	79	62
IE2-132S2-2	7.5	10	14.5	13.8	13.1	2930	12.5	12.0	11.5	3515	88.1	0.89	24.4	2.0	7.9	2.3	79	70
IE2-160M1-2	11	15	21	20.0	19.0	2950	18.1	17.4	16.6	3540	89.4	0.89	35.6	2.0	8.1	2.3	81	112
IE2-160M2-2	15	20	28.4	27.0	25.7	2945	24.5	23.5	22.5	3530	90.3	0.89	48.6	2.0	8.1	2.3	81	120
IE2-160L-2	18.5	25	34.7	33.0	31.4	2945	30.0	28.7	27.5	3530	90.9	0.89	60	2.0	8.2	2.3	81	138
IE2-180M-2	22	30	41.1	39.1	37.2	2950	35.5	34.0	32.5	3540	91.3	0.89	71.2	2.0	8.2	2.3	83	180
IE2-200L1-2	30	40	55.7	52.9	50.4	2960	48.1	46.0	44.1	3550	92.0	0.89	96.8	2.0	7.6	2.3	84	240
IE2-200L2-2	37	50	68.3	64.9	61.8	2960	59.0	56.4	54.1	3550	92.5	0.89	119	2.0	7.6	2.3	84	260
IE2-225M-2	45	60	82.7	78.6	74.8	2965	71.4	68.3	65.5	3555	92.9	0.89	145	2.0	7.7	2.3	86	305
IE2-250M-2	55	75	101	96.0	91.4	2970	87.2	83.4	80.0	3560	93.2	0.89	177	2.0	7.1	2.3	89	386
IE2-280S-2	75	100	137	130.2	124.0	2975	118.3	113.2	108.5	3570	93.8	0.89	241	1.8	7.1	2.3	91	515
IE2-280M-2	90	120	163	154.9	147.5	2970	140.8	134.7	129.0	3560	94.1	0.89	289	1.8	7.1	2.3	91	560
IE2-315S-2	110	150	197	187.2	178.2	2975	170.1	162.7	156.0	3570	94.3	0.90	353	1.8	7.1	2.3	92	920
IE2-315M-2	132	180	236	224.2	213.5	2975	203.8	195.0	186.8	3570	94.6	0.90	424	1.8	7.1	2.3	92	1035
IE2-315L1-2	160	220	282	267.9	255.1	2975	243.6	233.0	223.3	3570	94.8	0.91	514	1.8	7.2	2.3	92	1115
IE2-315L2-2	200	270	352	334.4	318.5	2975	304.0	290.8	278.7	3570	95.0	0.91	642	1.8	7.2	2.2	92	1165
IE2-355M-2	250	340	439	417.1	397.2	2980	379.1	362.7	347.5	3575	95.0	0.91	801	1.6	7.2	2.2	100	1616
IE2-355L-2	315	430	554	526.3	501.2	2980	478.5	457.7	438.6	3575	95.0	0.91	1009	1.6	7.2	2.2	100	1806

**Technical Data** 技术数据

电机型号 Type No.	额定功率 Rated output		额定电流			额定 转速 Rated speed (r/min)	额定电流			效率 EFF %	功率 因素 Power factor cosφ	额定 转矩 Rated Torque N.m	堵转转矩 额定转矩 Locked Torque	堵转电流 额定电流 Locked Current	最大转矩 额定转矩 Max Torque	噪声 Noise level LW dB(A)	重量 Weight (Kg)	
			Rated current IFL 380V A	Rated current IFL 400V A	Rated current IFL 420V A		Rated current IFL 440V A	Rated current IFL 460V A	Rated current IFL 480V A									Rated Torque TST/TFL
			380 ~ 420V/50Hz			440 ~ 480V/60Hz												
Synchronous speed 1500r/min																		
IE2-80M2-4	0.75	1.0	1.9	1.81	1.72	1425	1.64	1.57	1.50	1710	79.6	0.76	5.03	2.3	6.6	2.3	56	18
IE2-90S-4	1.1	1.5	2.7	2.57	2.44	1420	2.33	2.23	2.14	1700	81.4	0.77	7.4	2.3	6.8	2.3	59	21
IE2-90L-4	1.5	2.0	3.5	3.33	3.17	1420	3.02	2.89	2.77	1700	82.8	0.78	10.1	2.3	7.0	2.3	59	24
IE2-100L1-4	2.2	3.0	5	4.75	4.52	1430	4.32	4.13	3.96	1715	84.3	0.80	14.7	2.3	7.6	2.3	64	28
IE2-100L2-4	3	4.0	6.6	6.27	5.97	1430	5.70	5.45	5.23	1715	85.5	0.81	20	2.3	7.6	2.3	64	34
IE2-112M-4	4	5.5	8.7	8.27	7.87	1450	7.51	7.19	6.89	1740	86.6	0.81	26.3	2.2	7.8	2.3	65	45
IE2-132S-4	5.5	7.5	11.6	11.0	10.5	1465	10.0	9.58	9.18	1755	87.7	0.82	35.9	2.0	7.9	2.3	71	58
IE2-132M-4	7.5	10.0	15.5	14.7	14.0	1465	13.4	12.8	12.3	1755	88.7	0.83	48.9	2.0	7.5	2.3	71	78
IE2-160M-4	11	15	22.4	21.3	20.3	1470	19.4	18.5	17.7	1760	89.8	0.83	71.5	2.0	7.7	2.3	73	120
IE2-160L-4	15	20	29.9	28.4	27.1	1470	25.8	24.7	23.7	1760	90.6	0.84	97.4	2.0	7.8	2.3	73	138
IE2-180M-4	18.5	25	36.3	34.5	32.8	1470	31.4	30.0	28.7	1760	91.2	0.85	120	2.0	7.8	2.3	76	174
IE2-180L-4	22	30	42.9	40.8	38.8	1465	37.1	35.4	34.0	1755	91.6	0.85	143	2.0	7.8	2.3	76	188
IE2-200L-4	30	40	58.1	55.2	52.6	1475	50.2	48.0	46.0	1770	92.3	0.85	194	2.0	7.3	2.3	76	256
IE2-225S-4	37	50	70.5	67.0	63.8	1480	60.9	58.2	55.8	1775	92.7	0.86	239	2.0	7.4	2.3	78	300
IE2-225M-4	45	60	85.4	81.1	77.3	1480	73.8	70.6	67.6	1775	93.1	0.86	290	2.0	7.4	2.3	78	325
IE2-250M-4	55	75	104	98.8	94.1	1485	89.8	85.9	82.3	1780	93.5	0.86	354	2.0	7.4	2.3	79	400
IE2-280S-4	75	100	139	132.1	125.8	1490	120.1	114.8	110.0	1785	94.0	0.87	481	2.0	6.9	2.3	80	543
IE2-280M-4	90	120	165	156.8	149.3	1485	142.5	136.3	130.6	1780	94.2	0.88	579	2.0	6.9	2.3	80	608
IE2-315S-4	110	150	199	189.1	180.1	1485	171.9	164.4	157.5	1780	94.5	0.89	707	2.0	7.0	2.2	88	970
IE2-315M-4	132	180	238	226.1	215.3	1485	205.6	196.6	188.4	1780	94.7	0.89	849	2.0	7.0	2.2	88	1090
IE2-315L1-4	160	220	285	270.8	257.9	1485	246.1	235.4	225.6	1780	94.9	0.90	1029	2.0	7.1	2.2	88	1160
IE2-315L2-4	200	270	355	337.3	321.2	1485	306.6	293.3	281.0	1780	95.1	0.90	1286	2.0	7.1	2.2	88	1230
IE2-355M-4	250	340	444	421.8	401.7	1490	383.5	366.8	351.5	1785	95.1	0.90	1602	2.0	7.1	2.2	95	1640
IE2-355L-4	315	430	559	531.1	505.8	1490	482.8	461.8	442.5	1785	95.1	0.90	2019	2.0	7.1	2.2	95	1810

**Technical Data** 技术数据

电机型号 Type No.	额定功率 Rated output		额定电流			额定转速 Rated speed (r/min)	额定电流			额定转速 Rated speed (r/min)	效率 EFF %	功率因素 Power factor cosφ	额定转矩 Rated Torque N.m	堵转转矩	堵转电流	最大转矩	噪声 Noise level LW dB(A)	重量 Weight (Kg)
			Rated current IFL 380V A	Rated current IFL 400V A	Rated current IFL 420V A		堵转额定转矩 Locked Torque	堵转额定电流 Locked Current	最大转矩 Max Torque									
<b>IE2</b>	(kW)	HP											Rated Torque TST/TFL	Rated Torque TST/TFL	Rated Torque TST/TFL			
			380 ~ 420V/50Hz			440 ~ 480V/60Hz												
Synchronous speed 1000r/min																		
IE2-90S-6	0.75	1.0	2.1	2.00	1.90	935	1.81	1.73	1.66	1120	75.9	0.71	7.66	2.0	6.0	2.1	57	21
IE2-90L-6	1.1	1.5	3	2.85	2.71	935	2.59	2.48	2.38	1120	78.1	0.72	11.2	2.0	6.0	2.1	57	24
IE2-100L-6	1.5	2.0	4	3.80	3.62	945	3.45	3.30	3.17	1130	79.8	0.72	15.2	2.0	6.5	2.1	61	33
IE2-112M-6	2.2	3.0	5.7	5.42	5.16	965	4.92	4.71	4.51	1155	81.8	0.72	21.8	2.0	6.6	2.1	65	42
IE2-132S-6	3	4.0	7.6	7.22	6.88	975	6.56	6.28	6.02	1170	83.3	0.72	29.4	1.9	6.8	2.1	69	59
IE2-132M1-6	4	5.5	9.7	9.22	8.78	975	8.38	8.01	7.68	1170	84.6	0.74	39.2	1.9	6.8	2.1	69	72
IE2-132M2-6	5.5	7.5	13	12.4	11.8	975	11.2	10.7	10.3	1170	86.0	0.75	53.9	1.9	7.0	2.1	69	78
IE2-160M-6	7.5	10.0	16.8	16.0	15.2	975	14.5	13.9	13.3	1170	87.2	0.78	73.5	2.0	7.0	2.1	70	112
IE2-160L-6	11	15	23.9	22.7	21.6	975	20.6	19.7	18.9	1170	88.7	0.79	108	2.0	7.2	2.1	70	134
IE2-180L-6	15	20	31.8	30.2	28.8	980	27.5	26.3	25.2	1175	89.7	0.80	146	1.9	7.3	2.1	73	178
IE2-200L1-6	18.5	25	38.9	37.0	35.2°	980	33.6	32.1	30.8	1175	90.4	0.80	180	1.9	7.3	2.1	73	226
IE2-200L2-6	22	30	45.4	43.1	41.1	980	39.2	37.5	35.9	1175	90.9	0.81	214	1.9	7.4	2.1	73	243
IE2-225M-6	30	40	60.6	57.6	54.8	985	52.3	50.1	48.0	1180	91.7	0.82	291	1.9	6.9	2.1	74	295
IE2-250M-6	37	50	73.5	69.8	66.5	985	63.5	60.7	58.2	1180	92.2	0.83	359	1.9	7.1	2.1	76	368
IE2-280S-6	45	60	86.8	82.5	78.5	990	75.0	71.7	68.7	1185	92.7	0.85	434	1.9	7.3	2.0	78	496
IE2-280M-6	55	75	104	98.8	94.1	990	89.8	85.9	82.3	1185	93.1	0.86	531	1.9	7.3	2.0	78	545
IE2-315S-6	75	100	145	137.8	131.2	990	125.2	119.8	114.8	1185	93.7	0.84	723	1.9	6.6	2.0	83	910
IE2-315M-6	90	120	171	162.5	154.7	990	147.7	141.3	135.4	1185	94.0	0.85	868	1.9	6.7	2.0	83	1030
IE2-315L1-6	110	150	209	198.6	189.1	990	180.5	172.7	165.5	1185	94.3	0.85	1061	1.9	6.7	2.0	83	1120
IE2-315L2-6	132	180	247	234.7	223.5	990	213.3	204.0	195.5	1185	94.6	0.86	1273	1.9	6.8	2.0	83	1185
IE2-355M1-6	160	220	298	283.1	269.6	990	257.4	246.2	235.9	1185	94.8	0.86	1543	1.9	6.8	2.0	85	1530
IE2-355M2-6	200	270	372	353.4	336.6	990	321.3	307.3	294.5	1185	95.0	0.86	1929	1.9	6.8	2.0	85	1690
IE2-355L-6	250	340	465	441.8	420.7	990	401.6	384.1	368.1	1185	95.0	0.86	2412	1.9	6.8	2.0	85	1855



### PREMIUM EFFICIENCY THREE-PHASE ASYNCHRONOUS MOTOR IE3 高效率三相异步电动机

The IE3 series three-phase asynchronous motors meet the IE3 energy efficiency level of the IEC60034-30:2008 standard.

The installation dimensions of the IE3 series three-phase asynchronous motors comply with the IEC60034 standard, and have the advantages of reasonable structure, beautiful appearance, low noise, high attachment level, and high insulation level. They can be widely used to drive various general mechanical equipment such as fans, water pumps, machine tools, compressor transportation machinery, and can also be used in other harsh environments such as petroleum, chemical, steel, and mining.

IE3系列三相异步电动机符合IEC60034-30:2008 标准的IE3能效等级。  
IE3系列三相异步电机的安装尺寸符合IEC60034标准，具有结构合理，外表美观、噪声低、防护等级高、绝缘等级高等优点，可广泛应用于风机、水泵、机床、压缩机运输机械等驱动各种通用机械设备，也可在石油、化工、钢铁、矿山等其它环境比较恶劣的场所使用。

#### Technical Data:

Ambient Temperature:  $-15^{\circ}\text{C} \leq 0 \leq 40^{\circ}\text{C}$   
 Altitude: up to 1000m above sea level  
 Rated Voltage: 220/380V, 230/400V, 380/660V, 400/690V  
 Rated Frequency: 50Hz, 60Hz  
 Connection: Star for 3kW and below, Delta for 4kW and above  
 Duty Type: Continuous (S1)

#### 产品相关参数:

环境空气温度:  $-15^{\circ}\text{C} \leq 0 \leq 40^{\circ}\text{C}$   
 海拔: 不超过1000米  
 额定电压: 220/380V; 230/440V; 380/660V; 400/690V  
 额定频率: 50Hz或60Hz  
 接法: 3kW及以下规格为Y接法, 4kW及以上规格为Δ接法  
 工作方法: 连续 (S1)

**Technical Data 技术数据**

电机型号 Type No.	额定功率 Rated output		额定电流			额定转速 Rated speed (r/min)	额定电流			效率 EFF %	功率因素 Power factor cosφ	额定转矩 Rated Torque N.m	堵转转矩 Locked Torque	堵转电流 Locked Current	最大转矩 Max Torque	噪声 Noise level LW dB(A)	重量 Weight (Kg)	
			Rated current IFL 380V A	Rated current IFL 400V A	Rated current IFL 420V A		Rated current IFL 440V A	Rated current IFL 460V A	Rated current IFL 480V A									Rated Torque TST/TFL
			380 ~ 420V/50Hz			440 ~ 480V/60Hz												
Synchronous speed 3000r/min																		
IE3-80M1-2	0.75	1.0	1.7	1.62	1.54	2870	1.47	1.40	1.35	3440	80.7	0.82	2.5	2.2	7.0	2.3	62	18
IE3-80M2-2	1.1	1.5	2.4	2.28	2.17	2875	2.07	1.98	1.90	3450	82.7	0.83	3.65	2.2	7.3	2.3	62	19
IE3-90S-2	1.5	2.0	3.2	3.04	2.90	2880	2.76	2.64	2.53	3455	84.2	0.84	4.97	2.2	7.6	2.3	67	22
IE3-90L-2	2.2	3.0	4.6	4.37	4.16	2880	3.97	3.80	3.64	3455	85.9	0.85	7.3	2.2	7.6	2.3	67	25
IE3-100L-2	3	4.0	6	5.70	5.43	2880	5.18	4.96	4.75	3455	87.1	0.87	9.95	2.2	7.8	2.3	74	37
IE3-112M-2	4	5.5	7.8	7.41	7.06	2915	6.74	6.44	6.18	3495	88.1	0.88	13.1	2.2	8.3	2.3	77	47
IE3-132S1-2	5.5	7.5	10.6	10.1	9.59	2935	9.15	8.76	8.39	3520	89.2	0.88	17.9	2.0	8.3	2.3	79	68
IE3-132S2-2	7.5	10	14.4	13.7	13.0	2930	12.4	11.9	11.4	3515	90.1	0.88	24.4	2.0	7.9	2.3	79	75
IE3-160M1-2	11	15	20.6	19.6	18.6	2950	17.8	17.0	16.3	3540	91.2	0.89	35.6	2.0	8.1	2.3	81	122
IE3-160M2-2	15	20	27.9	26.5	25.2	2945	24.1	23.1	22.1	3530	91.9	0.89	48.6	2.0	8.1	2.3	81	131
IE3-160L-2	18.5	25	34.2	32.5	30.9	2945	29.5	28.3	27.1	3530	92.4	0.89	60	2.0	8.2	2.3	81	150
IE3-180M-2	22	30	40.5	38.5	36.6	2950	35.0	33.5	32.1	3540	92.7	0.89	71.2	2.0	8.2	2.3	83	193
IE3-200L1-2	30	40	54.9	52.2	49.7	2965	47.4	45.4	43.5	3555	93.3	0.89	96.6	2.0	7.6	2.3	84	255
IE3-200L2-2	37	50	67.4	64.0	61.0	2965	58.2	55.7	53.4	3555	93.7	0.89	119	2.0	7.6	2.3	84	275
IE3-225M-2	45	60	80.8	76.8	73.1	2965	69.8	66.8	64.0	3555	94.0	0.90	145	2.0	7.7	2.3	86	326
IE3-250M-2	55	75	98.5	93.6	89.1	2975	85.1	81.4	78.0	3570	94.3	0.90	177	2.0	7.7	2.3	89	417
IE3-280S-2	75	100	134	127.3	121.2	2975	115.7	110.7	106.1	3570	94.7	0.90	241	1.8	7.1	2.3	91	540
IE3-280M-2	90	120	160	152.0	144.8	2975	138.2	132.2	126.7	3570	95.0	0.90	289	1.8	7.1	2.3	91	596
IE3-315S-2	110	150	195	185.3	176.4	2985	168.4	161.1	154.4	3580	95.2	0.90	352	1.8	7.1	2.3	92	965
IE3-315M-2	132	180	234	222.3	211.7	2985	202.1	193.3	185.3	3580	95.4	0.90	422	1.8	7.1	2.3	92	1070
IE3-315L1-2	160	220	279	265.1	252.4	2985	241.0	230.5	220.9	3580	95.6	0.91	512	1.8	7.2	2.3	92	1150
IE3-315L2-2	200	270	349	331.6	315.8	2985	301.4	288.3	276.3	3580	95.8	0.91	640	1.8	7.2	2.2	92	1210
IE3-355M-2	250	340	436	414.2	394.5	2985	376.6	360.2	345.2	3580	95.8	0.91	800	1.6	7.2	2.2	100	1670
IE3-355L-2	315	430	549	521.6	496.7	2985	474.1	453.5	434.6	3580	95.8	0.91	1008	1.6	7.2	2.2	100	1865

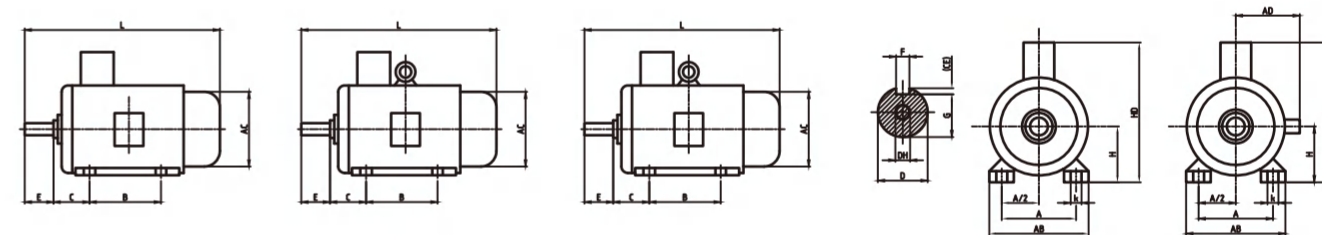
**Technical Data 技术数据**

电机型号 Type No.	额定功率 Rated output		额定电流			额定转速 Rated speed (r/min)	额定电流			效率 EFF %	功率因素 Power factor cosφ	额定转矩 Rated Torque N.m	堵转转矩 Locked Torque	堵转电流 Locked Current	最大转矩 Max Torque	噪声 Noise level LW dB(A)	重量 Weight (Kg)	
			Rated current IFL 380V A	Rated current IFL 400V A	Rated current IFL 420V A		Rated current IFL 440V A	Rated current IFL 460V A	Rated current IFL 480V A									Rated Torque TST/TFL
			380 ~ 420V/50Hz			440 ~ 480V/60Hz												
Synchronous speed 1500r/min																		
IE3-80M2-4	0.75	1.0	1.80	1.71	1.63	1430	1.55	1.49	1.43	1715	82.5	0.75	5.01	2.30	6.60	2.30	56	20
IE3-90S-4	1.1	1.5	2.60	2.47	2.35	1430	2.25	2.15	2.06	1715	84.1	0.76	7.35	2.30	6.80	2.30	59	23
IE3-90L-4	1.5	2.0	3.50	3.33	3.17	1430	3.02	2.89	2.77	1715	85.3	0.77	10	2.30	7.00	2.30	59	26
IE3-100L1-4	2.2	3.0	4.80	4.56	4.34	1440	4.15	3.97	3.80	1725	86.7	0.81	14.6	2.30	7.60	2.30	64	37
IE3-100L2-4	3	4.0	6.30	5.99	5.70	1440	5.44	5.20	4.99	1725	87.7	0.82	19.9	2.30	7.60	2.30	64	42
IE3-112M-4	4	5.5	8.40	7.98	7.60	1455	7.25	6.94	6.65	1745	88.6	0.82	26.3	2.20	7.80	2.30	65	49
IE3-132S-4	5.5	7.5	11.2	10.6	10.1	1465	9.67	9.25	8.87	1755	89.6	0.83	35.9	2.00	7.90	2.30	71	70
IE3-132M-4	7.5	10.0	15.0	14.3	13.6	1465	13.0	12.4	11.9	1755	90.4	0.84	48.9	2.00	7.50	2.30	71	84
IE3-160M-4	11	15	21.5	20.4	19.5	1470	18.6	17.8	17.0	1760	91.4	0.85	71.5	2.00	7.70	2.30	73	130
IE3-160L-4	15	20	28.8	27.4	26.1	1470	24.9	23.8	22.8	1760	92.1	0.86	97.4	2.00	7.80	2.30	73	148
IE3-180M-4	18.5	25	35.3	33.5	31.9	1470	30.5	29.2	28.0	1760	92.6	0.86	120	2.00	7.80	2.30	76	192
IE3-180L-4	22	30	41.8	39.7	37.8	1470	36.1	34.5	33.1	1760	93.0	0.86	143	2.00	7.80	2.30	76	206
IE3-200L-4	30	40	56.6	53.8	51.2	1475	48.9	46.8	44.8	1770	93.6	0.86	194	2.00	7.30	2.30	76	275
IE3-225S-4	37	50	69.6	66.1	63.0	1480	60.1	57.5	55.1	1775	93.9	0.86	239	2.00	7.40	2.30	78	325
IE3-225M-4	45	60	84.4	80.2	76.4	1480	72.9	69.7	66.8	1775	94.2	0.86	290	2.00	7.40	2.30	78	350
IE3-250M-4	55	75	103.0	97.9	93.2	1485	89.0	85.1	81.5	1780	94.6	0.86	354	2.00	7.40	2.30	79	435
IE3-280S-4	75	100	136.0	129.2	123.1	1490	117.5	112.4	107.7	1785	95.0	0.88	481	2.00	6.70	2.30	80	585
IE3-280M-4	90	120	163.0	154.9	147.5	1490	140.8	134.7	129.0	1785	95.2	0.88	577	2.00	6.90	2.30	80	653
IE3-315S-4	110	150	197.0	187.2	178.2	1490	170.1	162.7	156.0	1785	95.4	0.89	705	2.00	7.00	2.20	88	1010
IE3-315M-4	132	180	236.0	224.2	213.5	1490	203.8	195.0	186.8	1785	95.6	0.89	846	2.00	7.00	2.20	88	1140
IE3-315L1-4	160	220	285.0	270.8	257.9	1490	246.1	235.4	225.6	1785	95.8	0.89	1026	2.00	7.10	2.20	88	1210
IE3-315L2-4	200	270	352.0	334.4	318.5	1490	304.0	290.8	278.7	1785	96.0	0.90	1282	2.00	7.10	2.20	88	1285
IE3-355M-4	250	340	440.0	418.0	398.1	1495	380.0	363.5	348.3	1790	96.0	0.90	1597	2.00	7.10	2.20	95	1680
IE3-355L-4	315	430	554.0	526.3	501.2	1495	478.5	457.7	438.6	1790	96.0	0.90	2012	2.00	7.10	2.20	95	1870

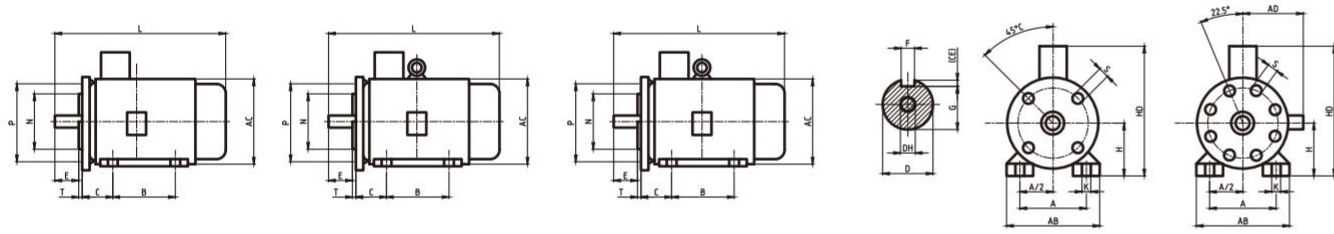
## Technical Data 技术数据

电机型号 Type No.	额定功率 Rated output		额定电流			额定转速 Rated speed (r/min)	额定电流			额定转速 Rated speed (r/min)	效率 EFF %	功率因素 Power factor cosφ	额定转矩 Rated Torque N.m	堵转转矩 额定转矩 Locked Torque	堵转电流 额定电流 Locked Current	最大转矩 额定转矩 Max Torque	噪声 Noise level LW dB(A)	重量 Weight (Kg)
	(kW)	HP	Rated current IFL 380V A	Rated current IFL 400V A	Rated current IFL 420V A		Rated current IFL 440V A	Rated current IFL 460V A	Rated current IFL 480V A									
			380 ~ 420V/50Hz			440 ~ 480V/60Hz												
Synchronous speed 1000r/min																		
IE3-90S-6	0.75	1.0	2	1.90	1.81	945	1.73	1.65	1.58	1130	78.9	0.71	7.58	2.00	6.00	2.10	57	23
IE3-90L-6	1.1	1.5	2.8	2.66	2.53	950	2.42	2.31	2.22	1140	81.0	0.73	11.1	2.00	6.00	2.10	57	26
IE3-100L-6	1.5	2.0	3.8	3.61	3.44	950	3.28	3.14	3.01	1140	82.5	0.73	15.1	2.00	6.50	2.10	61	36
IE3-112M-6	2.2	3.0	5.4	5.13	4.89	965	4.66	4.46	4.28	1155	84.3	0.74	21.8	2.00	6.60	2.10	65	46
IE3-132S-6	3	4.0	7.2	6.84	6.51	975	6.22	5.95	5.70	1170	85.6	0.74	29.4	1.90	6.80	2.10	69	63
IE3-132M1-6	4	5.5	9.5	9.03	8.60	975	8.20	7.85	7.52	1170	86.8	0.74	39.2	1.90	6.80	2.10	69	76
IE3-132M2-6	5.5	7.5	12.7	12.1	11.5	975	11.0	10.5	10.1	1170	88.0	0.75	53.9	1.90	7.00	2.10	69	83
IE3-160M-6	7.5	10.0	16.2	15.4	14.7	980	14.0	13.4	12.8	1175	89.1	0.79	73.1	1.90	7.00	2.10	70	120
IE3-160L-6	11	15	23.1	22.0	20.9	980	20.0	19.1	18.3	1175	90.3	0.80	107	1.90	7.20	2.10	70	145
IE3-180L-6	15	20	30.9	29.4	28.0	980	26.7	25.5	24.5	1175	91.2	0.81	146	1.90	7.30	2.10	73	188
IE3-200L1-6	18.5	25	37.8	35.9	34.2	985	32.7	31.2	29.9	1180	91.7	0.81	197	1.90	7.30	2.10	73	242
IE3-200L2-6	22	30	44.8	42.6	40.5	985	38.7	37.0	35.5	1180	92.2	0.81	213	1.90	7.40	2.10	73	262
IE3-225M-6	30	40	59.1	56.2	53.5	985	51.0	48.8	46.8	1180	92.9	0.83	291	1.90	6.90	2.10	74	320
IE3-250M-6	37	50	71.7	68.1	64.9	985	61.9	59.2	56.8	1180	93.3	0.84	359	1.90	7.10	2.10	76	398
IE3-280S-6	45	60	85.8	81.5	77.6	990	74.1	70.9	67.9	1185	93.7	0.85	434	1.90	7.30	2.00	78	532
IE3-280M-6	55	75	103	97.9	93.2	990	89.0	85.1	81.5	1185	94.1	0.86	531	1.90	7.30	2.00	78	583
IE3-315S-6	75	100	143	135.9	129.4	990	123.5	118.1	113.2	1185	94.6	0.84	723	1.90	6.60	2.00	83	965
IE3-315M-6	90	120	170	161.5	153.8	990	146.8	140.4	134.6	1185	94.9	0.85	868	1.90	6.70	2.00	83	1085
IE3-315L1-6	110	150	207	196.7	187.3	990	178.8	171.0	163.9	1185	95.1	0.85	1061	1.90	6.70	2.00	83	1175
IE3-315L2-6	132	180	244	231.8	220.8	990	210.7	201.6	193.2	1185	95.4	0.86	1273	1.90	6.80	2.00	83	1230
IE3-355M1-6	160	220	296	281.2	267.8	995	255.6	244.5	234.3	1190	95.6	0.86	1536	1.90	6.80	2.00	85	1575
IE3-355M2-6	200	270	365	346.8	330.2	995	315.2	301.5	289.0	1190	95.8	0.87	1920	1.90	6.80	2.00	85	1760
IE3-355L-6	250	340	456	433.2	412.6	995	393.8	376.7	361.0	1190	95.8	0.87	2399	1.90	6.80	2.00	85	1920

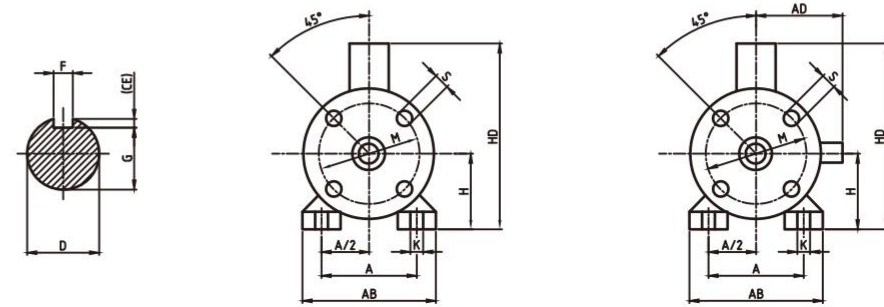
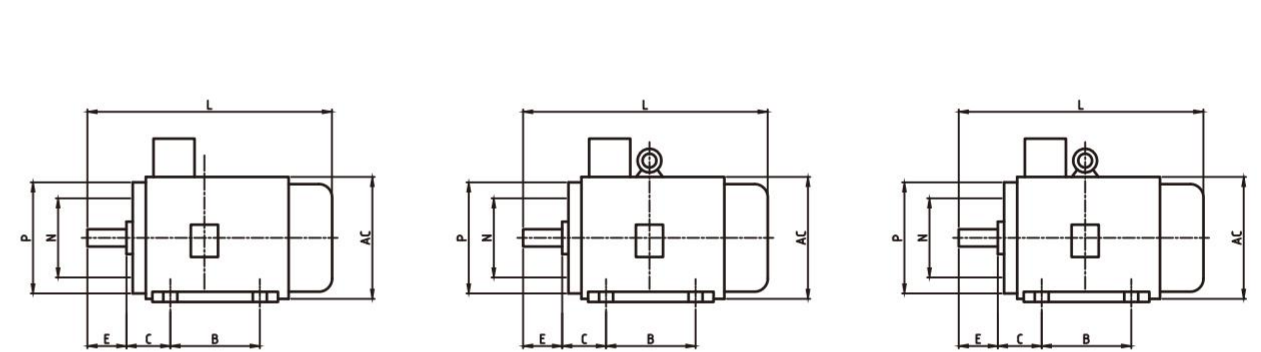
## Series Mounting And Overall Dimensinons(IM B3) 外形及安装尺寸(IM B3)



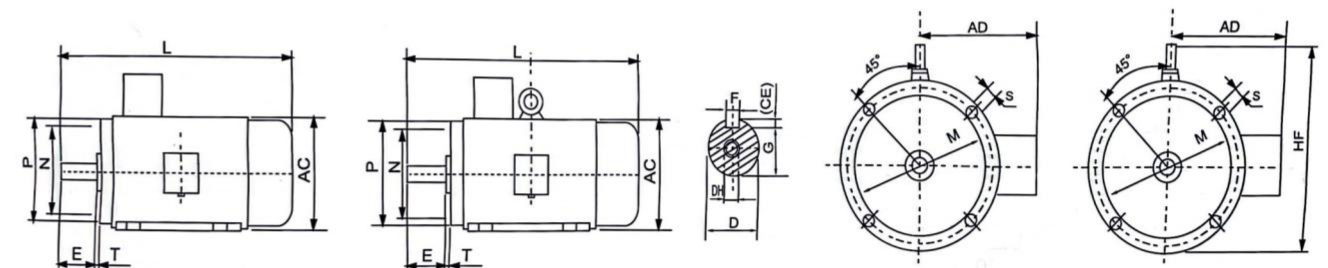
FRAMESIZE	POLES	A	A/2	B	C	D	E	F	G	H	K	AB	AC	AD	HD	L	DH'
63M	24	100	50	80	40	11	23	4	8.5	63	7	135	130	70	180	230	M4X12
71M	246	112	56	90	45	14	30	5	11	71	7	150	145	80	195	255	M5X12
80M	2468	125	62.5	100	50	19	40	6	15.5	80	10	165	175	145	220	295	M6X16
90S	2468	140	70	100	56	24	50	8	20	90	10	180	195	155	250	320	M8X19
90L	2468	140	70	125	56	24	50	8	20	90	10	180	195	155	250	345	M8X19
100L	2468	180	80	140	56	28	60	8	24	100	12	205	215	180	270	385	M10X22
112M	2468	190	95	140	70	28	60	8	24	112	12	230	240	190	300	400	M10X22
132S	2468	216	108	140	89	38	80	10	33	132	12	270	275	210	345	470	M10X28
132M	2468	216	108	178	89	38	80	10	33	132	12	270	275	210	345	510	M12X28
160M	2468	254	127	210	108	42	110	12	37	160	15	320	330	255	420	615	M16X36
160L	2468	254	127	254	108	42	110	12	37	160	15	320	330	255	420	670	M16X36
180M	2468	279	139.5	241	121	48	110	14	42.5	180	15	355	380	280	455	700	M16X36
180L	2468	279	139.5	279	121	48	110	14	42.5	180	15	355	380	280	455	740	M16X36
200L	2468	318	159	305	133	55	110	16	49	200	19	395	420	305	505	770	M20X42
225S	48	356	178	286	149	60	140	18	53	225	19	435	470	335	560	815	M20X42
225M	2	356	178	311	149	55	110	16	49	225	19	435	470	335	560	820	M20X42
250M	468	356	203	311	149	60	140	18	53	250	19	435	470	335	560	845	M20X42
	2	406	203	349	168	60	140	18	53	250	24	490	510	370	615	910	M20X42
280S	468	406	228.5	349	168	65	140	18	58	280	24	490	510	370	615	910	M20X42
	2	457	228.5	368	190	65	140	18	58	280	24	550	580	410	680	985	M20X42
280M	468	457	228.5	368	190	75	140	20	67.5	280	24	550	580	410	680	985	M20X42
	2	457	228.5	419	190	65	140	18	58	280	24	550	580	410	680	1035	M20X42
315S	468	457	254	419	190	75	140	20	67.5	280	24	550	580	410	680	1035	M20X42
	2	508	254	406	216	65	140	18	58	315	28	635	645	630	845	1160	M20X42
315M	46810	508	254	406	216	80	170	22	71	315	28	635	645	630	845	1270	M20X42
	2	508	254	457	216	65	140	18	58	315	28	635	645	630	845	1190	M20X42
315L	46810	580	254	457	216	80	170	22	71	315	28	635	645	630	845	1300	M20X42
	2	508	254	508	216	65	140	18	58	315	28	635	645	630	845	1190	M20X42
355M	46810	508	305	508	216	80	170	22	71	315	28	635	645	630	845	1300	M20X42
	2	610	305	560	254	75	140	20	67.5	355	28	730	710	655	1010	1500	M20X42
355L	46810	610	305	560	254	95	170	25	86	355	28	730	710	655	1010	1530	M20X42
	2	610	305	630	254	75	140	20	67.5	355	28	730	710	655	1010	1500	M20X42
	46810	610	305	630	254	95	170	25	86	355	28	730	710	655	1010	1530	M20X42

**Series Mounting And Overall Dimensinons(IM B35) 外形及安装尺寸(IM B35)**


FRAME SIZE	POLES	A	A/2	B	C	D	E	F	G	H	K	M	N	P	S	T	FLANGE HOLES	AB	AC	AD	HD	L	DH'
63M	24	100	50	80	40	11	23	4	8.5	63	7	115	95	140	10	3	4	135	130	70	180	230	M4X12
71M	246	112	56	90	45	14	30	5	11	71	7	130	11	160	10	3.5	4	150	145	80	195	255	M5X12
80M	2468	125	62.5	100	50	19	40	6	15.5	80	10	165	130	200	12	3.5	4	165	175	145	220	295	M6X16
90S	2468	140	70	100	56	24	50	8	20	90	10	165	130	200	12	3.5	4	180	195	155	250	320	M8X19
90L	2468	140	70	125	56	24	50	8	20	90	10	165	130	200	12	3.5	4	180	195	155	250	345	M8X19
100L	2468	180	80	140	56	28	60	8	24	100	12	215	180	250	15	4	4	205	215	180	270	385	M10X22
112M	2468	190	95	140	70	28	60	8	24	112	12	215	180	250	15	4	4	230	240	190	300	400	M10X22
132S	2468	216	108	140	89	38	80	10	33	132	12	265	230	300	15	4	4	270	275	210	345	470	M10X28
132M	2468	216	108	178	89	38	80	10	33	132	12	265	230	300	15	4	4	270	275	210	345	510	M12X28
160M	2468	254	127	210	108	42	110	12	37	160	15	300	250	350	19	5	4	320	330	255	420	615	M16X36
160L	2468	254	127	254	108	42	110	12	37	160	15	300	250	350	19	5	4	320	330	255	420	670	M16X36
180M	2468	279	139.5	241	121	48	110	14	42.5	180	15	300	250	350	19	5	4	355	380	280	455	700	M16X36
180L	2468	279	139.5	279	121	48	110	14	42.5	180	15	300	250	350	19	5	4	355	380	280	455	740	M16X36
200L	2468	318	159	305	133	55	110	16	49	200	19	350	300	400	19	5	4	395	420	305	505	770	M20X42
225S	48	356	178	286	149	60	140	18	53	225	19	400	350	450	19	5	8	435	470	335	560	815	M20X42
225M	2	356	178	311	149	55	110	16	49	225	19	400	350	450	19	5	8	435	470	335	560	820	M20x42
	468	356	203	311	149	60	140	18	53	250	19	400	350	450	19	5	8	435	470	335	560	845	M20X42
250M	2	406	203	349	168	60	140	18	53	250	24	500	450	550	19	5	8	490	510	370	615	910	M20x42
	468	406	228.5	349	168	65	140	18	58	280	24	500	450	550	19	5	8	490	510	370	615	910	M20X42
280S	2	457	228.5	368	190	65	140	18	58	280	24	500	450	550	19	5	8	550	580	410	680	985	M20x42
	468	457	228.5	368	190	75	140	20	67.5	280	24	500	450	550	19	5	8	550	580	410	680	985	M20X42
280M	2	457	228.5	419	190	65	140	18	58	280	24	500	450	550	19	5	8	550	580	410	680	1035	M20X42
	468	457	254	419	190	75	140	20	57.5	280	24	500	450	550	19	5	8	550	580	410	680	1035	M20X42
315S	2	508	254	406	216	65	140	18	58	315	28	600	550	660	24	6	8	635	645	630	845	1160	M20X42
315M	46810	508	254	406	216	80	170	22	71	315	28	600	550	660	24	6	8	635	645	630	845	1270	M20X42
	2	508	254	457	216	65	140	18	58	315	28	600	550	660	24	6	8	635	645	630	845	1190	M20x42
315L	46810	580	254	457	216	80	170	22	71	315	28	600	550	660	24	6	8	635	645	630	845	1300	M20X42
	2	508	254	508	216	65	140	18	58	315	28	600	550	660	24	6	8	635	645	630	845	1190	M20X42
355M	46810	508	305	508	216	80	170	22	71	315	28	600	550	660	24	6	8	635	645	630	845	1300	M20X42
	2	610	305	560	254	75	140	20	67.5	355	28	740	680	800	24	6	8	730	710	655	1010	1500	M20X42
355L	46810	610	305	560	254	95	170	25	86	355	28	740	680	800	24	6	8	730	710	655	1010	1530	M20x42
	2	610	305	630	254	75	140	20	67.5	355	28	740	680	800	24	6	8	730	710	655	1010	1500	M20X42
355L	46810	610	305	630	254	95	170	25	86	355	28	740	680	800	24	6	8	730	710	655	1010	1530	M20x42

**Series Mounting And Overall Dimensinons(IM B34) 外形及安装尺寸(IM B34)**


FRAME SIZE	POLES	A	A/2	B	C	D	E	F	G	H	K	M	N	P	S	T	FLANGE HOLES	AB	AC	AD	HD	L	DH'
63	24	100	50	80	40	11	23	4	8.5	63	7	75	60	90	0	M5	4	2.5	135	130	70	180	230
71	246	112	56	90	45	14	30	5	11	71	7	85	70	105	0	M6	4	2.5	150	155	80	195	255
80	2468	125	62.5	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	4	3	165	165	145	214	295
90S	2468	140	70	100	56	24	50	8	20	90	10	115	95	140	0	M8	4	3	180	195	155	250	320
90L	2468	140	70	125	56	24	50	8	20	90	10	115	95	140	0	M8	4	3	180	195	155	250	345
100L	2468	160	80	140	63	28	60	8	24	100	12	130	110	160	0	M8	4	3.5	205	215	180	270	385
112M	2468	190	95	140	70	28	60	8	24	112	12	130	110	160	0	M8	4	3.5	230	240	190	300	400





## MULTI-SPEED THREE-PHASE ASYNCHRONOUS MOTOR YD 系列变极多速三相异步电动机

Applications: widely used in such industry which have step changes of rotational speed to meet the requirements of load character, as machine tools, mining, metallurgy, textile, printing and dyeing, chemical industry and agricultural machinery, etc.

Features: simplify speed-changing systems by changing the connection to obtain different output and speed.

Pole-changing mode: double, three or four speed.

适用于：要求随负载的性质逐级调速的各种传动机械如机床、矿山、冶金、纺织、印染、化工等行业。  
特点：采用改变绕组的接法来变换电机的转速和输出功率，使其与机械设备的负载特性相匹配，简化了变速系统，高效、节能。  
变速方案：双速、三速、四速

### Technical Data:

Ambient Temperature:  $-15^{\circ}\text{C} \leq 0 \leq 40^{\circ}\text{C}$   
Altitude: up to 1000m above sea level  
Rated Voltage: 220/380V, 230/400V, 380/660V, 400/690V  
Rated Frequency: 50Hz, 60Hz  
Connection: Star for 3kW and below, Delta for 4kW and above  
Duty Type: Continuous (S1)

### 产品相关参数:

环境空气温度:  $-15^{\circ}\text{C} \leq 0 \leq 40^{\circ}\text{C}$   
海拔: 不超过1000米  
额定电压: 220/380V; 230/440V; 380/660V; 400/690V  
额定频率: 50Hz或60Hz  
接法: 3kW及以下规格为Y接法, 4kW及以上规格为 $\Delta$ 接法  
工作方法: 连续 (S1)

### Technical Data 技术数据

型号 Type YD	极数 Pole	功率 kW	满载时 Full Load				堵转转矩 额定转矩 $\frac{T_{st}}{T_n}$	最大转矩 额定转矩 $\frac{T_{max}}{T_n}$	堵转电流 额定电流 $\frac{I_{st}}{I_n}$
			额定电流 Current A	转速 r/min	效率 Eff $\eta\%$	功率因数 P.F			
Synchronous speed 1500/3000 r/min									
YD-80M1-4/2	4	0.45	1.4	1420	66	0.74	1.5	6.5	1.8
	2	0.55	1.5	2860	65	0.85	1.7	7	
YD-80M2-4/2	4	0.55	1.7	1420	68	0.74	1.6	6.5	1.8
	2	0.75	2.0	2860	66	0.85	1.8	7	
YD-90S-4/2	4	0.85	2.3	1430	74	0.77	1.8	6.5	1.8
	2	1.1	2.8	2850	71	0.85	1.9	7	
YD-90L-4/2	4	1.3	3.3	1430	76	0.78	1.8	6.5	1.8
	2	1.8	4.4	2850	73	0.85	2.0	7	
YD-100L1-4/2	4	2	4.8	1430	78	0.81	1.7	6.5	1.8
	2	2.4	5.6	2850	76	0.86	1.9	7	
YD-100L2-4/2	4	2.4	5.6	1430	79	0.83	1.6	6.5	1.8
	2	3	6.7	2850	77	0.89	1.7	7	
YD-112M-4/2	4	3.3	6.8	1450	82	0.83	1.9	6.5	1.8
	2	4	7.4	2890	79	0.89	2.0	7	
YD-132S-4/2	4	4.5	9.8	1450	83	0.84	1.7	6.5	1.8
	2	5.5	11.9	2890	79	0.89	1.8	7	
YD-132M-4/2	4	6.5	13.8	1450	84	0.85	1.7	6.5	1.8
	2	8	17.1	2890	80	0.89	1.8	7	
YD-160M-4/2	4	9	18.5	1460	87	0.85	1.6	6.5	1.8
	2	11	22.9	2920	82	0.89	1.8	7	
YD-160L-4/2	4	11	22.3	1460	87	0.86	1.7	6.5	1.8
	2	14	28.8	2920	82	0.90	1.8	7	
YD-180M-4/2	4	15	29.4	1470	89	0.87	1.8	6.5	1.8
	2	18.5	36.7	2940	85	0.90	1.9	7	
YD-180L-4/2	4	18.5	35.9	1470	89	0.88	1.6	6.5	1.8
	2	22	42.7	2940	86	0.91	1.8	7	
YD-200L-4/2	4	26	49.9	1470	89	0.89	1.4	6.5	1.8
	2	30	58.3	2950	85	0.92	1.6	7	
YD-225S-4/2	4	32	60.7	1475	90	0.89	1.4	6.5	1.8
	2	37	71.1	2955	86	0.92	1.6	7	
YD-225M-4/2	4	37	69.4	1475	91	0.89	1.6	6.5	1.8
	2	45	86.4	2955	86	0.92	1.6	7	
YD-250M-4/2	4	45	84.4	1475	91	0.89	1.6	6.5	1.8
	2	52	98.7	2955	87	0.92	1.6	7	
YD-280S-4/2	4	60	111	1480	91	0.90	1.4	6.5	1.8
	2	72	135	2960	88	0.92	1.5	7	
YD-280M-4/2	4	72	134	1480	91	0.90	1.4	6.5	1.8
	2	82	152	2960	88	0.93	1.5	7	

**Technical Data** 技术数据

型号 Type YD	极数 Pole	功率 kW	满载时 Full Load				堵转转矩 额定转矩 $\frac{T_{st}}{T_n}$	最大转矩 额定转矩 $\frac{T_{max}}{T_n}$	堵转电流 额定电流 $\frac{I_{st}}{I_n}$
			额定电流 Current A	转速 r/min	效率 Eff $\eta\%$	功率因数 P.F			
Synchronous speed 1000/1500 r/min									
YD-90S-6/4	6	0.65	2.2	920	64	0.68	1.6	6	1.8
	4	0.85	2.3	1420	70	0.79	1.4	6.5	
YD-90L-6/4	6	0.85	2.8	930	66	0.70	1.6	6	1.8
	4	1.1	3.0	1400	71	0.79	1.5	6.5	
YD-100L1-6/4	6	1.3	3.8	940	74	0.70	1.7	6	1.8
	4	1.8	4.4	1440	77	0.80	1.4	6.5	
YD-100L2-6/4	6	1.5	4.3	940	75	0.70	1.6	6	1.8
	4	2.2	5.4	1440	77	0.80	1.4	6.5	
YD-112M-6/4	6	2.2	5.7	960	78	0.75	1.8	6	1.8
	4	2.8	6.7	1440	77	0.82	1.5	6.5	
YD-132S-6/4	6	3	7.7	970	79	0.75	1.8	6	1.8
	4	4	9.5	1440	78	0.82	1.7	6.5	
YD-132M-6/4	6	4	9.8	970	82	0.76	1.6	6	1.8
	4	5.5	12.3	1440	80	0.85	1.4	6.5	
YD-160M-6/4	6	6.5	15.1	970	84	0.78	1.5	6	1.8
	4	8	17.6	1460	82	0.84	1.5	6.5	
YD-160L-6/4	6	9	20.6	970	85	0.78	1.6	6	1.8
	4	11	23.7	1460	83	0.85	1.7	6.5	
YD-180M-6/4	6	11	25.9	980	85	0.76	1.6	6	1.8
	4	14	29.8	1470	84	0.85	1.7	6.5	
YD-180L-6/4	6	13	29.4	980	86	0.78	1.7	6	1.8
	4	16	33.6	1470	85	0.85	1.7	6.5	
YD-200L-6/4	6	18.5	41.4	980	87	0.78	1.6	6.5	1.8
	4	22	44.9	1460	86.5	0.86	1.5	7	
YD-225S-6/4	6	22	44.2	980	88	0.86	1.8	6.5	1.8
	4	28	56.5	1470	86.5	0.87	1.8	7	
YD-225M-6/4	6	26	52.2	980	88	0.86	1.8	6.5	1.8
	4	34	63.2	1470	85.5	0.90	1.8	7	
YD-250M-6/4	6	32	62.1	990	90	0.87	1.5	6.5	1.8
	4	42	81.1	1480	86.5	0.91	1.3	7	
YD-280S-6/4	6	42	81.5	990	90	0.87	1.5	6.5	1.8
	4	55	107	1480	87	0.90	1.3	7	
YD-280M-6/4	6	55	107	990	90	0.87	1.6	6.5	1.8
	4	67	131	1480	87	0.89	1.3	7	

**Technical Data** 技术数据

型号 Type YD	极数 Pole	功率 kW	满载时 Full Load				堵转转矩 额定转矩 $\frac{T_{st}}{T_n}$	最大转矩 额定转矩 $\frac{T_{max}}{T_n}$	堵转电流 额定电流 $\frac{I_{st}}{I_n}$
			额定电流 Current A	转速 r/min	效率 Eff $\eta\%$	功率因数 P.F			
Synchronous speed 750/1500 r/min									
YD-90L-8/4	8	0.45	1.9	700	58	0.63	1.6	5.5	1.8
	4	0.75	1.8	1420	72	0.87	1.4	6.5	
YD-100L-8/4	8	0.85	3.1	700	67	0.63	1.6	5.5	1.8
	4	1.5	3.5	1410	74	0.88	1.4	6.5	
YD-112M-8/4	8	1.5	5.0	700	72	0.63	1.7	5.5	1.8
	4	2.4	5.3	1410	78	0.88	1.7	6.5	
YD-132S-8/4	8	2.2	7.0	720	75	0.64	1.5	5.5	1.8
	4	3.3	7.1	1440	80	0.88	1.7	6.5	
YD-132M-8/4	8	3	9.0	720	78	0.65	1.5	5.5	1.8
	4	4.5	9.4	1440	82	0.89	1.6	6.5	
YD-160M-8/4	8	5	13.9	730	83	0.66	1.5	5.5	1.8
	4	7.5	15.2	1450	84	0.89	1.6	6.5	
YD-160L-8/4	8	7	19	730	85	0.66	1.5	5.5	1.8
	4	11	21.8	1450	86	0.89	1.6	6.5	
YD-180L-8/4	8	11	26.7	730	87	0.72	1.5	6	1.8
	4	17	32.3	1470	88	0.91	1.5	7	
YD-200L1-8/4	8	14	33	740	87	0.74	1.8	6	1.8
	4	22	41.3	1470	88	0.92	1.7	7	
YD-200L2-8/4	8	17	40.1	740	87	0.74	1.5	6	1.8
	4	26	48.8	1470	88	0.92	1.7	7	
YD-225M-8/4	8	24	53.2	740	89	0.77	1.5	6	1.8
	4	34	66.7	1470	88	0.88	1.5	7	
YD-250M-8/4	8	30	64.9	740	90	0.78	1.6	6	1.8
	4	42	78.8	1480	89	0.91	1.7	7	
YD-280S-8/4	8	40	83.5	740	91	0.80	1.6	6	1.8
	4	55	102	1480	90	0.91	1.7	7	
YD-280M-8/4	8	47	96.9	740	91	0.81	1.6	6	1.8
	4	67	123	1480	90	0.92	1.7	7	

**Technical Data** 技术数据

型号 Type YD	极数 Pole	功率 kW	满载时 Full Load				堵转转矩 额定转矩 $\frac{T_{st}}{T_n}$	最大转矩 额定转矩 $\frac{T_{max}}{T_n}$	堵转电流 额定电流 $\frac{I_{st}}{I_n}$
			额定电流 Current A	转速 r/min	效率 Eff $\eta\%$	功率因数 P.F			
Synchronous speed 750/1000 r/min									
YD-90S-8/6	8	0.35	1.6	700	56	0.60	1.8	5	1.8
	6	0.45	1.4	930	70	0.72	2.0	6	
YD-90L-8/6	8	0.45	1.9	700	59	0.60	1.7	5	1.8
	6	0.65	1.9	920	71	0.73	1.8	6	
YD-100L-8/6	8	0.75	2.9	710	65	0.60	1.8	5	1.8
	6	1.1	3.1	950	75	0.73	1.9	6	
YD-112M-8/6	8	1.3	4.5	710	72	0.61	1.7	5	1.8
	6	1.8	4.8	950	78	0.73	1.9	6	
YD-132S-8/6	8	1.8	5.8	730	76	0.62	1.6	5	1.8
	6	2.4	6.2	970	80	0.73	1.9	6	
YD-132M-8/6	8	2.6	8.2	730	78	0.62	1.9	5	1.8
	6	3.7	9.4	970	82	0.73	1.9	6	
YD-160M-8/6	8	4.5	13.3	730	83	0.62	1.6	5	1.8
	6	6	14.7	980	85	0.73	1.9	6	
YD-160L-8/6	8	6	17.5	730	84	0.62	1.6	5	1.8
	6	8	19.4	980	86	0.73	1.9	6	
YD-180M-8/6	8	7.5	21.9	730	84	0.62	1.9	5	1.8
	6	10	24.2	980	86	0.73	1.9	6	
YD-180L-8/6	8	9	24.7	730	85	0.65	1.8	5	1.8
	6	12	28.3	980	86	0.75	1.8	6	
YD-200L1-8/6	8	12	32.6	730	86	0.65	1.8	5	1.8
	6	17	39.1	980	87	0.76	2.0	6	
YD-200L2-8/6	8	15	40.3	730	87	0.65	1.8	5	1.8
	6	20	45.4	980	88	0.76	2.0	6	

**Technical Data** 技术数据

型号 Type YD	极数 Pole	功率 kW	满载时 Full Load				堵转转矩 额定转矩 $\frac{T_{st}}{T_n}$	最大转矩 额定转矩 $\frac{T_{max}}{T_n}$	堵转电流 额定电流 $\frac{I_{st}}{I_n}$
			额定电流 Current A	转速 r/min	效率 Eff $\eta\%$	功率因数 P.F			
Synchronous speed 500/1000 r/min									
YD-160M-12/6	12	2.6	11.6	74	0.46	1.2	4	4	1.8
	6	5	11.9	84	0.76	1.4	6	6	
YD-160L-12/6	12	3.7	16.1	76	0.46	1.2	4	4	1.8
	6	7	15.8	85	0.79	1.4	6	6	
YD-180L-12/6	12	5.5	19.6	79	0.54	1.3	4	4	1.8
	6	10	20.5	86	0.86	1.3	6	6	
YD-200L1-12/6	12	7.5	24.5	83	0.56	1.5	4	4	1.8
	6	13	26.4	87	0.86	1.5	6	6	
YD-200L2-12/6	12	9	28.9	83	0.57	1.5	4	4	1.8
	6	15	30.1	87	0.87	1.5	6	6	
YD-225M-12/6	12	12	35.2	85	0.61	1.5	4	4	1.8
	6	20	39.7	88	0.87	1.5	6	6	
YD-250M-12/6	12	15	42.1	86	0.63	1.5	4	4	1.8
	6	24	47.1	89	0.87	1.5	6	6	
YD-280S-12/6	12	20	54.8	88	0.63	1.5	4	4	1.8
	6	30	58.9	89	0.87	1.5	6	6	
YD-280M-12/6	12	24	63.8	88	0.65	1.5	4	4	1.8
	6	37	72.6	89	0.87	1.5	6	6	
Synchronous speed 1000/1500/3000 r/min									
YD-100L-6/4/2	6	0.75	2.6	67	0.65	1.8	5.5	5.5	1.8
	4	1.3	3.7	72	0.75	1.6	6	6	
	2	1.8	4.5	71	0.85	1.6	7	7	
YD-112M-6/4/2	6	1.1	3.5	73	0.65	1.7	5.5	5.5	1.8
	4	2	5.1	74	0.81	1.4	6	6	
	2	2.4	5.8	74	0.85	1.6	7	7	
YD-132S-6/4/2	6	1.8	5.1	75	0.71	1.4	5.5	5.5	1.8
	4	2.6	6.1	78	0.83	1.3	6	6	
	2	3	7.4	71	0.87	1.7	7	7	
YD-132M1-6/4/2	6	2.2	6	77	0.72	1.3	5.5	5.5	1.8
	4	3.3	7.5	80	0.84	1.3	6	6	
	2	4	8.8	76	0.91	1.7	7	7	
YD-132M2-6/4/2	6	2.6	6.9	80	0.72	1.5	5.5	5.5	1.8
	4	4	9	80	0.84	1.4	6	6	
	2	5	10.8	77	0.91	1.7	7	7	
D-160M-6/4/2	6	3.7	9.5	82	0.72	1.5	5.5	5.5	1.8
	4	5	11.2	81	0.84	1.3	3	3	
	2	6	13.5	76	0.91	1.4	7	7	
YD-160L-6/4/2	6	4.5	11.4	83	0.72	1.5	5.5	5.5	1.8
	4	7	15.1	83	0.85	1.2	6	6	
	2	9	18.8	79	0.92	1.3	7	7	

**Technical Data** 技术数据

型号 Type YD	极数 Pole	功率 kW	满载时 Full Load				堵转转矩 额定转矩 $\frac{T_{st}}{T_n}$	最大转矩 额定转矩 $\frac{T_{max}}{T_n}$	堵转电流 额定电流 $\frac{I_{st}}{I_n}$
			额定电流 Current A	转速 r/min	效率 Eff $\eta\%$	功率因数 P.F			
Synchronous speed 750/1500 /3000 r/min									
YD-112M-8/4/2	8	0.65	2.7	700	59	0.63	1.4	4.5	1.8
	8	2	5.1	1450	74	0.81	1.3	6	
	8	2.4	5.8	2920	74	0.85	1.2	7	
YD-132S-8/4/2	8	1	3.6	720	69	0.61	1.4	4.5	1.8
	8	2.6	6.1	1460	78	0.83	1.2	6	
	8	3	7.1	2910	74	0.87	1.4	7	
YD-132M-8/4/2	8	1.3	4.6	720	71	0.61	1.5	4.5	1.8
	8	3.7	8.4	1460	80	0.84	1.3	6	
	8	4.5	10	2910	75	0.91	1.4	7	
YD-160M-8/4/2	8	2.2	7.6	720	75	0.59	1.4	4.5	1.8
	8	5	11.2	1440	81	0.84	1.3	6	
	8	6	13.2	2910	76	0.91	1.4	7	
YD-160L-8/4/2	8	2.8	9.2	720	77	0.60	1.3	4.5	1.8
	8	7	15.1	1440	83	0.85	1.2	6	
	8	9	18.8	2910	79	0.92	1.3	7	
Synchronous speed 750/1000/1500 r/min									
YD-112M-8/6/4	8	0.85	3.7	710	62	0.56	1.7	5.5	1.8
	6	1	3.1	950	68	0.73	1.3	6.5	
	4	1.5	3.5	1440	75	0.86	1.5	7	
YD-132S-8/6/4	8	1.1	4.1	730	68	0.60	1.4	5.5	1.8
	6	1.5	4.2	970	74	0.73	1.3	6.5	
	4	1.8	4	1460	78	0.87	1.3	7	
YD-132M1-8/6/4	8	1.5	5.2	730	71	0.62	1.3	5.5	1.8
	6	2	5.4	970	77	0.73	1.5	6.5	
	4	2.2	4.9	1460	79	0.87	1.4	7	
YD-132M2-8/6/4	8	1.8	6.1	730	72	0.62	1.5	5.5	1.8
	6	2.6	6.8	970	78	0.74	1.5	6.5	
	4	3	6.5	1460	80	0.87	1.5	7	
YD-160M-8/6/4	8	3.3	10.2	720	79	0.62	1.7	5.5	1.8
	6	4	9.9	960	81	0.76	1.4	6.5	
	4	5.5	11.6	1440	83	0.87	1.5	7	

**Technical Data** 技术数据

型号 Type YD	极数 Pole	功率 kW	满载时 Full Load				堵转转矩 额定转矩 $\frac{T_{st}}{T_n}$	最大转矩 额定转矩 $\frac{T_{max}}{T_n}$	堵转电流 额定电流 $\frac{I_{st}}{I_n}$
			额定电流 Current A	转速 r/min	效率 Eff $\eta\%$	功率因数 P.F			
Synchronous speed 500/1000 r/min									
YD-160L-8/6/4	8	4.5	13.8	720	80	0.62	1.6	5.5	1.8
	6	6	14.5	960	83	0.76	1.6	6.5	
	4	7.5	15.6	1440	84	0.87	1.5	7	
YD-180L-8/6/4	8	7	20.2	740	81	0.65	1.6	6.5	1.8
	6	9	20.6	980	83	0.80	1.5	7	
	4	12	24.1	1470	84	0.90	1.4	7	
YD-200L-8/6/4	8	10	24.8	730	85	0.72	1.6	6.5	1.8
	6	13	28.4	975	86	0.81	1.5	7	
	4	17	33.4	1465	86	0.90	1.4	7	
YD-225S-8/6/4	8	14	35.3	735	86	0.70	1.6	6.5	1.8
	6	18.5	39.9	980	87	0.81	1.6	7	
	4	24	46.6	1470	87	0.90	1.4	7	
YD-225M-8/6/4	8	17	42.4	735	87	0.70	1.6	6.7	1.8
	6	22	45.2	980	87	0.85	1.6	7	
	4	28	54.3	1470	87	0.90	1.4	7	
YD-250M-8/6/4	8	24	55.3	740	88	0.75	1.5	6.5	1.8
	6	26	52.8	985	88	0.85	1.6	7	
	4	34	63.8	1470	88	0.92	1.4	7	
YD-280S-8/6/4	8	30	68.3	740	89	0.75	1.5	6.5	1.8
	6	34	67.5	985	89	0.86	1.6	7	
	4	42	77.9	1475	89	0.92	1.4	7	
YD-280M-8/6/4	8	34	77.4	740	89	0.75	1.4	6.5	1.8
	6	37	73.4	985	89	0.86	1.5	7	
	4	50	92.8	1475	89	0.92	1.4	7	

**Technical Data** 技术数据

型号 Type YD	极数 Pole	功率 kW	满载时 Full Load				堵转转矩 额定转矩 $\frac{T_{st}}{T_n}$	最大转矩 额定转矩 $\frac{T_{max}}{T_n}$	堵转电流 额定电流 $\frac{I_{st}}{I_n}$
			额定电流 Current A	转速 r/min	效率 Eff $\eta\%$	功率因数 P.F			
Synchronous speed 500/750/1000/1500 r/min									
YD-225M-12/8/6/4	12	3.3	12.7	480	72	0.55	1.6	5	1.8
	8	5	15.5	735	79	0.62	1.5	6.5	
	6	6.5	13.7	970	82	0.88	1.3	6.5	
	4	9	18.5	1480	83	0.89	1.3	7	
YD-250M-12/8/6/4	12	4.5	16.5	480	74	0.56	1.3	5	1.8
	8	7	19.6	735	81	0.67	1.3	6.5	
	6	8	16.6	975	83	0.88	1.3	6.5	
	4	11	23	1480	84	0.88	1.3	7	
YD-280S-12/8/6/4	12	5.5	19.9	480	75	0.56	1.3	5	1.8
	8	8	22	735	81	0.67	1.3	6.5	
	6	10	21	975	83	0.88	1.3	6.5	
	4	13	27	1480	84	0.88	1.3	7	
YD-280M-12/8/6/4	12	7	21	485	81	0.63	1.6	5	1.8
	8	11	28	740	84	0.72	1.6	6.5	
	6	13	26	980	85	0.88	1.5	6.5	
	4	20	39	1480	86	0.90	1.3	7	
YD-180L-12/8/6/4	12	9	27	485	82	0.63	1.6	5	1.8
	8	14	34	740	85	0.73	1.6	6.5	
	6	16	33	980	85	0.88	1.5	6.5	
	4	26	49	1480	87	0.92	1.3	7	
YD-200L1-12/8/6/4	12	11	32	490	83	0.63	1.6	5	1.8
	8	18.5	43	740	87	0.75	1.6	6.5	
	6	20	41	985	85	0.88	1.5	6.5	
	4	34	65	1485	87	0.92	1.3	7	
YD-200L2-12/8/6/4	12	13	37	490	84	0.63	1.7	5	1.8
	8	22	51	740	87	0.75	1.7	6.5	
	6	24	49	985	85	0.88	1.6	6.5	
	4	40	75	1420	38	0.92	1.5	7	



## ELECTROMAGNETIC BRAKE THREE-PHASE ASYNCHRONOUS MOTOR YEJ2 系列电磁制动三相异步电动机

YEJ2 series electromagnetic brake three-phase asynchronous motors are improved products of YEJ series, it is in accordance with JB/T6456-2010 requirements, and its electrical performance is in accord with YE2 series technical standard. The electric power of the controller should be synchronized with the electric power of the motor.

The electric motors are equipped the electromagnetic brake on the non-shaft end, when electricity off, retarding disc will automatically press in end-shield which produce friction brake torque and stop the running of motor, the no-load brake duration is changed with the frame size of the motor, the range is 0.15-0.45 seconds. This kind of motor is considered as the driving force of various machinery and widely used in mechanical workout machine tool, transport machinery, package, woodworking, food, chemical engineering, textile, construction, shop, roll door machinery.

YEJ2系列电磁制动电动机是YEJ系列的改进产品,符合国家标准JB/T6456-2010要求,电气性能满足YE2系列电机技术标准。

该系列制动电动机是在电机非拖动轴端装有电磁制动器,当电机失电时,电磁制动器的制动盘自动与电机后盖压合,产生摩擦制动力矩,使电机停转,空载制动时间随机座号由小到大,为0.15~0.45S。制动器电源必须拖动电机。电源同步进行。YEJ2系列电机广泛应用于机械加工机床和输送机械及包装、木工、食品、化工、纺织、建筑、商店、卷门等机械作为驱动力。

### Technical Data:

Seat center height: 63-160mm  
 Controller power supply: seat center height  $H < 100\text{mm}$ , AC 220V (99V after rectification)  
 Center height of frame:  $H > 112\text{mm}$ , AC 380V (170V after rectification)  
 Power range: 0.12~45kW  
 Rated voltage: 380V (other voltages require separate agreement)  
 Rated frequency: 50Hz (or 60Hz)  
 Protection Level: IP54 (or Ip55)  
 Insulation Class: B/F  
 Working system: S1

### 产品相关参数:

机座中心高: 63-160mm  
 控制器电源: 机座中心高  $H \leq 100\text{mm}$ , 交流 220V (整流后99V)  
 机座中心高:  $H \geq 112\text{mm}$ , 交流380V (整流后 170V)  
 功率范围: 0.12~45kW  
 额定电压: 380V (其他电压需另订协议)  
 额定频率: 50Hz (或60Hz)  
 防护等级: IP54 (或IP55)  
 绝缘等级: B/F级  
 工作制: S1

**Technical Data** 技术数据

型号 Type	功率 kW	转速 r/min	电流 A	效率 Eff η%	功率因数 P.F	静制 动力矩 Nm	空载制 动时间 S	励磁 功率 W	堵转转矩 额定转矩 $\frac{T_{st}}{T_n}$	最大转矩 额定转矩 $\frac{T_{max}}{T_n}$	堵转电流 额定电流 $\frac{I_{st}}{I_n}$	重量 kg
<b>Synchronous speed 3000r/min</b>												
YEJ2-631-2	0.18	2720	0.53	65	0.80	4	0.20	18	5.5	2.2	2.2	12
YEJ2-632-2	0.25	2720	0.69	68	0.81	4	0.20	18	5.5	2.2	2.2	13
YEJ2-711-2	0.37	2740	0.99	70	0.81	4	0.20	18	6.1	2.2	2.2	14
YEJ2-712-2	0.55	2740	1.40	73	0.82	4	0.20	18	6.1	2.2	2.3	15
YEJ2-801-2	0.75	2845	1.83	75	0.83	7.5	0.20	30	6.1	2.2	2.3	17
YEJ2-802-2	1.1	2840	2.58	77	0.84	7.5	0.20	30	7.0	2.2	2.3	18
YEJ2-90S-2	1.5	2840	3.43	79	0.84	15	0.20	50	7.0	2.2	2.3	23
YEJ2-90L-2	2.2	2840	4.85	81	0.85	15	0.20	50	7.0	2.2	2.3	26
YEJ2-100L-2	3.0	2860	6.31	83	0.87	30	0.20	65	7.5	2.2	2.3	37
YEJ2-112M-2	4.0	2880	8.10	85	0.88	40	0.25	90	7.5	2.2	2.3	45
YEJ2-132S1-2	5.5	2900	11.0	86	0.88	75	0.25	90	7.5	2.2	2.3	59
YEJ2-132S2-2	7.5	2900	14.9	87	0.88	75	0.25	90	7.5	2.2	2.3	72
YEJ2-160M1-2	11	2030	21.3	88	0.89	150	0.35	150	7.5	2.2	2.3	120
YEJ2-160M2-2	15	2930	28.8	89	0.89	150	0.35	150	7.5	2.2	2.3	150
YEJ2-160L-2	18.5	2930	34.7	90	0.90	150	0.35	150	7.5	2.2	2.3	149

**Technical Data** 技术数据

型号 Type	功率 kW	转速 r/min	电流 A	效率 Eff η%	功率因数 P.F	静制 动力矩 Nm	空载制 动时间 S	励磁 功率 W	堵转转矩 额定转矩 $\frac{T_{st}}{T_n}$	最大转矩 额定转矩 $\frac{T_{max}}{T_n}$	堵转电流 额定电流 $\frac{I_{st}}{I_n}$	重量 kg
<b>Synchronous speed 1500r/min</b>												
YEJ2-631-4	0.12	1310	0.44	57	0.72	4	0.20	18	4.4	2.1	2.2	13
YEJ2-632-4	0.18	1310	0.62	60	0.73	4	0.20	18	4.4	2.1	2.2	14
YEJ2-711-4	0.25	1330	0.79	65	0.74	4	0.20	18	5.2	2.1	2.2	15
YEJ2-712-4	0.37	1330	1.12	67	0.75	4	0.20	18	5.2	2.1	2.2	16
YEJ2-801-4	0.55	1390	1.57	71	0.75	7.5	0.20	30	5.2	2.4	2.3	17
YEJ2-802-4	0.75	1380	2.03	73	0.76	7.5	0.20	30	6.0	2.3	2.3	18
YEJ2-90S-4	1.1	1390	0.89	75	0.77	15	0.20	50	6.0	2.3	2.3	22
YEJ2-90L-4	1.5	1390	3.70	78	0.79	15	0.20	50	6.0	2.3	2.3	27
YEJ2-100L1-4	2.2	1410	5.16	80	0.81	30	0.20	65	7.0	2.3	2.3	34
YEJ2-100L2-4	3.0	1410	6.78	82	0.82	30	0.20	65	7.0	2.3	2.3	38
YEJ2-112M-2	4.0	1435	8.80	84	0.82	40	0.25	90	7.0	2.3	2.3	48
YEJ2-132S-4	5.5	1440	11.7	85	0.83	75	0.25	90	7.0	2.3	2.3	71
YEJ2-132M-4	7.5	1440	15.6	87	0.84	75	0.25	90	7.0	2.3	2.3	83
YEJ2-160M-4	11	1460	22.3	88	0.84	150	0.35	150	7.0	2.2	2.3	128
YEJ2-160L-4	15	1460	30.1	89	0.85	150	0.35	150	7.5	2.2	2.3	142

**Technical Data** 技术数据

型号 Type	功率 kW	转速 r/min	电流 A	效率 Eff η%	功率因数 P.F	静制 动力矩 Nm	空载制 动时间 S	励磁 功率 W	堵转转矩 额定转矩 $\frac{T_{st}}{T_n}$	最大转矩 额定转矩 $\frac{T_{max}}{T_n}$	堵转电流 额定电流 $\frac{I_{st}}{I_n}$	重量 kg
<b>Synchronous speed 1000r/min</b>												
YEJ2-711-6	0.18	850	0.74	56	0.66	4	0.20	18	4.0	1.9	2.0	9.5
YEJ2-712-6	0.25	850	0.95	59	0.68	4	0.20	18	4.0	1.9	2.0	11
YEJ2-801-6	0.37	885	1.30	62	0.70	7.5	0.20	30	4.7	1.9	2.0	17
YEJ2-802-6	0.55	885	1.79	65	0.72	7.5	0.20	30	4.7	1.9	2.1	19
YEJ2-90S-6	0.75	910	2.29	69	0.72	15	0.20	50	5.5	2.0	2.1	22
YEJ2-90L-6	1.1	910	3.18	72	0.73	15	0.20	50	5.5	2.0	2.1	28
YEJ2-100L-6	1.5	920	3.94	76	0.75	30	0.20	65	5.5	2.0	2.1	34
YEJ2-112M-6	2.2	935	5.60	79	0.76	40	0.25	90	6.5	2.0	2.1	42
YEJ2-132S-6	3.0	960	7.40	81	0.76	75	0.25	90	6.5	2.1	2.1	68
YEJ2-132M1-6	4.0	960	9.80	82	0.76	75	0.25	90	6.5	2.1	2.1	79
YEJ2-132M2-6	5.5	960	12.9	84	0.77	75	0.25	90	6.5	2.1	2.1	87
YEJ2-160M-6	7.5	970	17.0	86	0.77	150	0.35	150	6.5	2.0	2.1	122
YEJ2-160L-6	11	970	24.2	87.5	0.78	150	0.35	150	6.5	2.0	2.1	141

**Technical Data** 技术数据

型号 Type	功率 kW	转速 r/min	电流 A	效率 Eff η%	功率因数 P.F	静制 动力矩 Nm	空载制 动时间 S	励磁 功率 W	堵转转矩 额定转矩 $\frac{T_{st}}{T_n}$	最大转矩 额定转矩 $\frac{T_{max}}{T_n}$	堵转电流 额定电流 $\frac{I_{st}}{I_n}$	重量 kg
<b>Synchronous speed 750r/min</b>												
YEJ2-801-8	0.18	645	0.88	51	0.61	7.5	0.20	30	3.3	1.8	1.9	17
YEJ2-802-8	0.25	645	1.15	54	0.61	7.5	0.20	30	3.3	1.8	1.9	19
YEJ2-90S-8	0.37	670	1.49	62	0.61	15	0.20	50	4.0	1.8	1.9	23
YEJ2-90L-8	0.55	680	2.18	63	0.61	15	0.20	50	4.0	1.8	2.0	25
YEJ2-100L1-8	0.75	680	2.17	71	0.67	30	0.20	65	4.0	1.8	2.0	33
YEJ2-100L2-8	1.1	680	2.39	73	0.69	30	0.20	65	5.0	1.8	2.0	38
YEJ2-112M-8	1.5	690	4.50	75	0.69	40	0.25	90	5.0	1.8	2.0	50
YEJ2-132S-8	2.2	705	6.00	78	0.71	75	0.25	90	6.0	1.8	2.0	63
YEJ2-132M-8	3.0	705	7.90	79	0.73	75	0.25	90	6.0	1.8	2.0	79
YEJ2-160M1-8	4.0	720	10.3	81	0.73	150	0.35	150	6.0	1.9	2.0	118
YEJ2-160M2-8	5.5	720	13.6	83	0.74	150	0.35	150	6.0	2.0	2.0	119
YEJ2-160L-8	7.5	720	17.8	85.5	0.75	150	0.35	150	6.0	2.0	2.0	145



## INVERTER DUTY THREE-PHASE ASYNCHRONOUS MOTOR

### YVF2 系列变频调速三相异步电动机

YVF2 series inverter duty three-phase asynchronous motor are suitable for running in frequency change and speed regulation system which the power is supplied by a frequency converter. This new series of product designed unitedly in the country can be mated with all kinds of SPWM frequency changer and speed regulation devices and is equipped with a separate cooling fan which ensure the motor for good cooling at various speed. They can be used in machine tool, metallurgical industry, textile, printing and dyeing, transportation, chemical industry, mine and for speed regulation of fans and pumps.

YVF2系列变频调速三相异步电动机与电子变频器联合使用，可实现转速150~2750rpm(4极)范围内的无级调速，是那些有大范围无级调速需求的机械设备的理想动加。广泛应用于交通运输、冶金、纺织、印染、化工、矿山、风机、水泵等行业。其电气性能和安装尺寸按国家标准JB/T7118-2004要求制造，并与国际IEC标准接轨。

#### Technical Data:

Centre height of frame: 80~355mm  
 Power range: 0.55~315kW  
 Rated voltage: 380V or order  
 Rated frequency: 50Hz or 60Hz  
 Protection class: IP54 or IP55  
 Insulation class: F  
 Duty type: S1

#### 产品相关参数:

机座中心高: 80~355mm  
 功率范围: 0.55~315kW  
 额定电压: 380V (其他电压需另订协议)  
 额定频率: 50Hz (或60Hz)  
 防护等级: IP54 (或IP55)  
 绝缘等级: F级  
 工作制: S1

#### Technical Data 技术数据

型号 Type	功率 kW	额定 电流 A	转速 r/min	效率 Eff. %	功率 因数 P.F	额定 转矩 N.m	噪声 dB(A)	恒转矩变频范围 Constant Torque Frequency Range Hz	恒功率变频范围 Constant Outout Frequec Range Hz
Synchronous speed 3000r/min									
YVF2-80M1-2	0.75	1.83	2845	75.0	0.83	2.52	73	5-50	50-100
YVF2-80M2-2	1.1	2.61	2845	76.2	0.84	3.69	73		
YVF2-90S-2	1.5	3.46	2840	78.5	0.84	5.04	76		
YVF2-90L-2	2.2	4.85	2840	81.0	0.85	7.40	76		
YVF2-100L-2	3	6.34	2860	82.6	0.87	10.1	79		
YVF2-112M-2	4	8.20	2880	81.2	0.88	13.3	80		
YVF2-132S1-2	5.5	11.1	2900	85.7	0.88	18.1	86		
YVF2-132S2-2	7.5	14.9	2900	87.0	0.88	24.7	86		
YVF2-160M1-2	11	21.2	2930	88.4	0.89	35.9	90		
YVF2-160M2-2	15	28.6	2930	89.4	0.89	48.9	90		
YVF2-160L-2	18.5	34.7	2930	90.0	0.90	60.3	90		
YVF2-180M-2	22	41.0	2940	90.5	0.90	71.5	91		
YVF2-200L1-2	30	55.4	2950	91.4	0.90	97.0	92	5-50	50-70
YVF2-200L2-2	37	67.9	2950	92.0	0.90	120	92		
YVF2-225M-2	45	82.1	2960	92.5	0.90	145	94		
YVF2-250M-2	55	99.8	2965	93.0	0.90	177	96		
YVF2-280S-2	75	135	2970	93.6	0.90	241	99		
YVF2-280M-2	90	160	2970	93.9	0.91	297	99		
YVF2-315S-2	110	195	2975	94.0	0.91	353	105	5-50	50-60
YVF2-315M-2	132	233	2975	94.5	0.91	424	105		
YVF2-315L1-2	160	279	2975	94.6	0.92	514	109		
YVF2-315L-2	185	323	2975	94.6	0.92	594	109		
YVF2-315L2-2	200	348	2975	94.8	0.92	642	109		
YVF2-315L3-2	220	383	2975	94.8	0.92	706	109		
YVF2-355M1-2	220	383	2975	94.8	0.92	705	111		
YVF2-355M-2	250	435	2980	95.0	0.92	301	111		
YVF2-355L1-2	280	487	2980	95.0	0.92	897	113		
YVF2-355L-2	315	548	2980	95.0	0.92	1009	113		
YVF2-355L2-2	355	617	2980	95.0	0.92	1138	113		
YVF2-355L3-2	375	652	2980	95.0	0.92	1202	113		

**Technical Data** 技术数据

型号 Type	功率 kW	额定 电流 A	转速 r/min	效率 Eff. %	功率 因数 P.F	额定 转矩 N.m	噪声 dB(A)	恒转矩调频范围 Constant Torque Frequency Range Hz	恒功率调频范围 Constant Outout Frequenc Range Hz
<b>YVF2</b>									
Synchronous speed 1500r/min									
YVF2-80M1-4	0.55	1.57	1390	71.0	0.75	3.78	73	5-50	50-100
YVF2-80M2-4	0.75	2.05	1390	73.0	0.76	5.15	73		
YVF2-90S-4	1.1	2.85	1390	76.2	0.77	7.56	76		
YVF2-90L-4	1.5	3.68	1390	78.5	0.79	10.3	76		
YVF2-100L1-4	2.2	5.09	1410	81.0	0.81	14.9	79		
YVF2-100L2-4	3	6.73	1410	82.6	0.82	20.3	79		
YVF2-112M-4	4	8.80	1440	84.2	0.82	26.5	80		
YVF2-132S-4	5.5	11.7	1440	85.7	0.83	36.5	86		
YVF2-132M-4	7.5	15.6	1440	87.0	0.84	49.7	86		
YVF2-160M-4	11	22.5	1460	88.4	0.84	72.0	90		
YVF2-160L-4	15	30.0	1460	89.4	0.85	98.1	90		
YVF2-180M-4	18.5	36.3	1470	90.0	0.86	120	91		
YVF2-180L-4	22	42.9	1470	90.5	0.86	143	91		
YVF2-200L-4	30	58.0	1470	91.4	0.86	195	92		
YVF2-225S-4	37	70.2	1475	92.0	0.87	240	94		
YVF2-225M-4	45	85.0	1475	92.5	0.87	291	94		
YVF2-250M-4	55	103	1480	93.0	0.87	355	96		
YVF2-280S-4	75	140	1480	93.6	0.87	484	99		
YVF2-280M-4	90	167	1480	93.9	0.87	571	99		
YVF2-315S-4	110	201	1480	94.5	0.88	710	105		
YVF2-315M-4	132	240	1480	94.8	0.88	852	105		
YVF2-315L1-4	160	288	1480	94.9	0.89	1032	109		
YVF2-315L-4	185	333	1480	94.9	0.89	1194	109		
YVF2-315L2-4	200	360	1480	94.9	0.89	1291	109		
YVF2-315L3-4	220	396	1480	94.9	0.89	1420	109		
YVF2-355M1-4	220	396	1490	94.9	0.89	1410	111		
YVF2-355M-4	250	444	1490	95.1	0.90	1602	111		
YVF2-355L1-4	280	497	1490	91.1	0.90	1795	113		
YVF2-355L-4	315	559	149C	951	0.90	2019	113		
YVF2-355L2-4	355	630	1420	95.1	0.90	2275	113		
YVF2-355L3-4	375	666	1490	95.1	0.90	2404	113		

**Technical Data** 技术数据

型号 Type	功率 kW	额定 电流 A	转速 r/min	效率 Eff. %	功率 因数 P.F	额定 转矩 N.m	噪声 dB(A)	恒转矩调频范围 Constant Torque Frequency Range Hz	恒功率调频范围 Constant Outout Frequenc Range Hz
<b>YVF2</b>									
Synchronous speed 1000r/min									
YVF2-80M1-6	0.37	1.30	885	62.0	0.70	3.99	73	5-50	50-100
YVF2-80M2-6	0.55	1.79	885	65.0	0.72	5.94	73		
YVF2-90S-6	0.75	2.29	910	69.0	0.72	7.87	76		
YVF2-90L-6	1.1	3.18	910	72.0	0.73	11.5	76		
YVF2-100L-6	1.5	4.00	920	76.0	0.75	15.6	79		
YVF2-112M-6	2.2	5.57	935	79.0	0.76	22.5	80		
YVF2-132S-6	3	7.40	960	81.0	0.76	29.8	86		
YVF2-132M1-6	4	9.75	960	82.0	0.76	39.8	86		
YVF2-132M2-6	5.5	12.9	965	84.0	0.77	54.4	86		
YVF2-160M-6	7.5	17.2	970	86.0	0.77	73.8	90		
YVF2-160L-6	11	24.5	970	87.5	0.78	108	90		
YVF2-180L-6	15	31.6	970	89.0	0.81	148	91		
YVF2-200L1-6	18.5	38.6	980	90.0	0.81	180	92		
YVF2-200L2-6	22	44.7	980	90.0	0.83	214	92		
YVF2-225M-6	30	59.3	980	91.5	0.84	292	94		
YVF2-250M-6	37	71.1	980	92.0	0.86	361	96		
YVF2-280S-6	45	85.9	980	92.5	0.86	439	99		
YVF2-280M-6	55	105	980	92.8	0.86	536	99		
YVF2-315S-6	75	142	985	93.5	0.86	727	105		
YVF2-315M-6	90	170	985	93.8	0.86	873	105		
YVF2-315L1-6	110	207	985	94.0	0.86	1066	109		
YVF2-315L2-6	132	245	985	94.2	0.86	1280	109		
YVF2-315L3-6	160	292	985	94.5	0.87	1551	109		
YVF2-355M1-6	160	292	990	94.5	0.88	1543	111		
YVF2-355M-6	185	338	990	94.5	0.88	1785	111		
YVF2-355M2-6	200	364	990	94.8	0.88	1929	111		
YVF2-355L1-6	220	401	990	94.8	0.88	2122	113		
YVF2-355L-6	250	454	990	95.0	0.88	2412	113		
YVF2-355L2-6	280	509	990	95.0	0.88	2701	113		
YVF2-355L3-6	315	572	990	95.0	0.88	3039	113		

**Technical Data** 技术数据

型号 Type	功率 kW	额定 电流 A	转速 r/min	效率 Eff.%	功率 因数 P.F	额定 转矩 N.m	噪声 dB(A)	恒转矩调频范围 Constant Torque Frequency Range Hz	恒功率调频范围 Constant Outout Frequenc Range Hz
<b>YVF2</b>									
Synchronous speed 750r/min									
YVF2-80M1-8	0.18	0.88	645	51.0	0.61	2.67	73	5-50	50-100
YVF2-80M2-8	0.25	1.15	645	54.0	0.61	3.70	73		
YVF2-90S-8	0.37	1.49	670	62.0	0.61	5.27	76		
YVF2-90L-8	0.55	2.17	670	63.0	0.61	7.84	76		
YVF2-100L1-8	0.75	2.40	680	71.0	0.67	10.5	79		
YVF2-100L2-8	1.1	3.32	680	73.0	0.69	15.4	79		
YVF2-112M-8	1.5	4.40	690	75.0	0.69	20.8	80		
YVF2-132S-8	2.2	6.04	705	78.0	0.71	29.8	86		
YVF2-132M-8	3	7.90	705	79.0	0.73	40.6	86		
YVF2-160M1-8	4	10.3	720	81.0	0.73	53.1	90		
YVF2-160M2-8	5.5	13.6	720	83.0	0.74	73.0	90		
YVF2-160L-8	7.5	17.8	720	85.5	0.75	99.5	90		
YVF2-180L-8	11	25.1	730	87.5	0.76	144	91		
YVF2-200L-8	15	34.1	730	88.0	0.76	196	92		
YVF2-225S-8	18.5	41.1	730	90.0	0.76	242	94		
YVF2-225M-8	22	47.4	730	90.5	0.78	288	94		
YVF2-250M-8	30	63.4	735	91.0	0.79	390	96		
YVF2-280S-8	37	77.8	735	91.5	0.79	481	99		
YVF2-280M-8	45	94.1	735	92.0	0.79	585	99		
YVF2-315S-8	55	111	735	92.8	0.81	715	105		
YVF2-315M-8	75	151	735	93.0	0.81	974	105		
YVF2-315L1-8	90	178	735	93.8	0.82	1169	109		
YVF2-315L2-8	110	217	735	94.0	0.82	1429	109		
YVF2-355M1-8	132	261	740	93.7	0.82	1704	111		
YVF2-355M2-8	160	315	740	94.2	0.82	2065	111		
YVF2-355L1-8	185	364	740	94.2	0.82	2388	113		
YVF2-355L-8	200	387	740	94.5	0.83	2581	113		
YVF2-355L2-8	220	426	740	94.5	0.83	2839	113		
YVF2-355L3-8	250	484	740	94.5	0.83	3226	113		
Synchronous speed 600r/min									
YVF2-315S-10	45	100	590	91.5	0.75	728	105	5-50	50-100
YVF2-315M-10	55	121	590	92.0	0.75	890	105		
YVF2-315L1-10	75	162	590	95.5	0.76	1214	109		
YVF2-315L2-10	90	191	590	93.0	0.77	1457	109		
YVF2-355M1-10	110	230	590	93.2	0.78	1751	111		
YVF2-355M2-10	132	275	590	93.5	0.78	2137	111		
YVF2-355L1-10	160	333	590	93.5	0.78	2590	113		
YVF2-355L-10	185	385	590	93.5	0.78	2994	113		
YVF2-355L2-10	200	417	590	93.5	0.78	3237	113		
YVF2-355L3-10	220	458	590	93.5	0.78	3561	113		



### HIGH EFFICIENCY THREE-PHASE ASYNCHRONOUS MOTOR YE2 高效率三相异步电动机

The YE2 series three-phase asynchronous motors meet the IE2 energy efficiency level of the IEC60034-30:2008 standard.

The installation dimensions of the YE2 series three-phase asynchronous motors comply with the IEC60034 standard. They have the advantages of reasonable structure, beautiful appearance, low noise, high protection level, and high insulation level, and can be widely used in wind turbines.

Water pumps, machine tools, compressors, transportation machinery, and other general-purpose mechanical equipment can also be used in petroleum, chemical, steel, mining, and other environments where the environment is relatively harsh.

YE2系列三相异步电动机符合IEC60034-30:2008 标准的IE2能效等级。  
YE2系列三相异步电机的安装尺寸符合IEC60034标准，具有结构合理，外表美观、噪声低、防护等级高、绝缘等级高等优点，可广泛应用于风机。  
水泵、机床、压缩机运输机械等驱动各种通用机械设备，也可在石油、化工、钢铁、矿山等其它环境比较恶劣的场所使用。

#### Technical Data:

Centre height of frame:80-355mm  
Power range:0.55-315kW  
Rated voltage:380V or order  
Rated frequency:50Hz or 60Hz  
Protection class:IP54 or IP55  
Insulation class:F  
Duty type:S1

#### 产品相关参数:

机座中心高: 80 ~ 355mm  
功率范围: 0.55 ~ 315kW  
额定电压: 380V (其他电压需另订协议)  
额定频率: 50Hz (或60Hz)  
防护等级: IP54 (或IP55)  
绝缘等级: F级  
工作制: S1

**Technical Data 技术数据**

电机型号 Type No.	额定功率 Rated output		额定电流			额定转速 Rated speed (r/min)	额定电流			效率 EFF %	功率因素 Power factor cosφ	额定转矩 Rated Torque N.m	堵转转矩 Locked Torque	堵转电流 Locked Current	最大转矩 Max Torque	噪声 Noise level LW dB(A)	重量 Weight (Kg)	
			Rated current IFL 380V A	Rated current IFL 400V A	Rated current IFL 420V A		Rated current IFL 440V A	Rated current IFL 460V A	Rated current IFL 480V A									Rated Torque TST/TFL
			380 ~ 420V/50Hz			440 ~ 480V/60Hz												
<b>Synchronous speed 3000r/min</b>																		
YE2-80M1-2	0.75	1.0	1.8	1.71	1.63	2855	1.55	1.49	1.43	3425	77.4	0.82	2.51	2.2	7.0	2.3	62	16
YE2-80M2-2	1.1	1.5	2.5	2.38	2.26	2870	2.16	2.07	1.98	3440	79.6	0.83	3.66	2.2	7.3	2.3	62	17
YE2-90S-2	1.5	2.0	3.3	3.14	2.99	2865	2.85	2.73	2.61	3435	81.3	0.84	5	2.2	7.6	2.3	67	20
YE2-90L-2	2.2	3.0	4.7	4.47	4.25	2870	4.06	3.88	3.72	3440	83.2	0.85	7.32	2.2	7.6	2.3	67	23
YE2-100L-2	3	4.0	6.2	5.89	5.61	2875	5.35	5.12	4.91	3450	84.6	0.87	10	2.2	7.8	2.3	74	34
YE2-112M-2	4	5.5	8.0	7.60	7.24	2910	6.91	6.61	6.33	3490	85.8	0.88	13.1	2.2	8.3	2.3	77	42
YE2-132S1-2	5.5	7.5	10.9	10.4	9.86	2935	9.41	9.00	8.63	3520	87.0	0.88	17.9	2.0	8.3	2.3	79	62
YE2-132S2-2	7.5	10	14.5	13.8	13.1	2930	12.5	12.0	11.5	3515	88.1	0.89	24.4	2.0	7.9	2.3	79	70
YE2-160M1-2	11	15	21	20.0	19.0	2950	18.1	17.4	16.6	3540	89.4	0.89	35.6	2.0	8.1	2.3	81	112
YE2-160M2-2	15	20	28.4	27.0	25.7	2945	24.5	23.5	22.5	3530	90.3	0.89	48.6	2.0	8.1	2.3	81	120
YE2-160L-2	18.5	25	34.7	33.0	31.4	2945	30.0	28.7	27.5	3530	90.9	0.89	60	2.0	8.2	2.3	81	138
YE2-180M-2	22	30	41.1	39.1	37.2	2950	35.5	34.0	32.5	3540	91.3	0.89	71.2	2.0	8.2	2.3	83	180
YE2-200L1-2	30	40	55.7	52.9	50.4	2960	48.1	46.0	44.1	3550	92.0	0.89	96.8	2.0	7.6	2.3	84	240
YE2-200L2-2	37	50	68.3	64.9	61.8	2960	59.0	56.4	54.1	3550	92.5	0.89	119	2.0	7.6	2.3	84	260
YE2-225M-2	45	60	82.7	78.6	74.8	2965	71.4	68.3	65.5	3555	92.9	0.89	145	2.0	7.7	2.3	86	305
YE2-250M-2	55	75	101	96.0	91.4	2970	87.2	83.4	80.0	3560	93.2	0.89	177	2.0	7.1	2.3	89	386
YE2-280S-2	75	100	137	130.2	124.0	2975	118.3	113.2	108.5	3570	93.8	0.89	241	1.8	7.1	2.3	91	515
YE2-280M-2	90	120	163	154.9	147.5	2970	140.8	134.7	129.0	3560	94.1	0.89	289	1.8	7.1	2.3	91	560
YE2-315S-2	110	150	197	187.2	178.2	2975	170.1	162.7	156.0	3570	94.3	0.90	353	1.8	7.1	2.3	92	920
YE2-315M-2	132	180	236	224.2	213.5	2975	203.8	195.0	186.8	3570	94.6	0.90	424	1.8	7.1	2.3	92	1035
YE2-315L1-2	160	220	282	267.9	255.1	2975	243.6	233.0	223.3	3570	94.8	0.91	514	1.8	7.2	2.3	92	1115
YE2-315L2-2	200	270	352	334.4	318.5	2975	304.0	290.8	278.7	3570	95.0	0.91	642	1.8	7.2	2.2	92	1165
YE2-355M-2	250	340	439	417.1	397.2	2980	379.1	362.7	347.5	3575	95.0	0.91	801	1.6	7.2	2.2	100	1616
YE2-355L-2	315	430	554	526.3	501.2	2980	478.5	457.7	438.6	3575	95.0	0.91	1009	1.6	7.2	2.2	100	1806

**Technical Data 技术数据**

电机型号 Type No.	额定功率 Rated output		额定电流			额定转速 Rated speed (r/min)	额定电流			效率 EFF %	功率因素 Power factor cosφ	额定转矩 Rated Torque N.m	堵转转矩 Locked Torque	堵转电流 Locked Current	最大转矩 Max Torque	噪声 Noise level LW dB(A)	重量 Weight (Kg)	
			Rated current IFL 380V A	Rated current IFL 400V A	Rated current IFL 420V A		Rated current IFL 440V A	Rated current IFL 460V A	Rated current IFL 480V A									Rated Torque TST/TFL
			380 ~ 420V/50Hz			440 ~ 480V/60Hz												
<b>Synchronous speed 1500r/min</b>																		
YE2-80M2-4	0.75	1.0	1.9	1.81	1.72	1425	1.64	1.57	1.50	1710	79.6	0.76	5.03	2.3	6.6	2.3	56	18
YE2-90S-4	1.1	1.5	2.7	2.57	2.44	1420	2.33	2.23	2.14	1700	81.4	0.77	7.4	2.3	6.8	2.3	59	21
YE2-90L-4	1.5	2.0	3.5	3.33	3.17	1420	3.02	2.89	2.77	1700	82.8	0.78	10.1	2.3	7.0	2.3	59	24
YE2-100L1-4	2.2	3.0	5	4.75	4.52	1430	4.32	4.13	3.96	1715	84.3	0.80	14.7	2.3	7.6	2.3	64	28
YE2-100L2-4	3	4.0	6.6	6.27	5.97	1430	5.70	5.45	5.23	1715	85.5	0.81	20	2.3	7.6	2.3	64	34
YE2-112M-4	4	5.5	8.7	8.27	7.87	1450	7.51	7.19	6.89	1740	86.6	0.81	26.3	2.2	7.8	2.3	65	45
YE2-132S-4	5.5	7.5	11.6	11.0	10.5	1465	10.0	9.58	9.18	1755	87.7	0.82	35.9	2.0	7.9	2.3	71	58
YE2-132M-4	7.5	10.0	15.5	14.7	14.0	1465	13.4	12.8	12.3	1755	88.7	0.83	48.9	2.0	7.5	2.3	71	78
YE2-160M-4	11	15	22.4	21.3	20.3	1470	19.4	18.5	17.7	1760	89.8	0.83	71.5	2.0	7.7	2.3	73	120
YE2-160L-4	15	20	29.9	28.4	27.1	1470	25.8	24.7	23.7	1760	90.6	0.84	97.4	2.0	7.8	2.3	73	138
YE2-180M-4	18.5	25	36.3	34.5	32.8	1470	31.4	30.0	28.7	1760	91.2	0.85	120	2.0	7.8	2.3	76	174
YE2-180L-4	22	30	42.9	40.8	38.8	1465	37.1	35.4	34.0	1755	91.6	0.85	143	2.0	7.8	2.3	76	188
YE2-200L-4	30	40	58.1	55.2	52.6	1475	50.2	48.0	46.0	1770	92.3	0.85	194	2.0	7.3	2.3	76	256
YE2-225S-4	37	50	70.5	67.0	63.8	1480	60.9	58.2	55.8	1775	92.7	0.86	239	2.0	7.4	2.3	78	300
YE2-225M-4	45	60	85.4	81.1	77.3	1480	73.8	70.6	67.6	1775	93.1	0.86	290	2.0	7.4	2.3	78	325
YE2-250M-4	55	75	104	98.8	94.1	1485	89.8	85.9	82.3	1780	93.5	0.86	354	2.0	7.4	2.3	79	400
YE2-280S-4	75	100	139	132.1	125.8	1490	120.1	114.8	110.0	1785	94.0	0.87	481	2.0	6.9	2.3	80	543
YE2-280M-4	90	120	165	156.8	149.3	1485	142.5	136.3	130.6	1780	94.2	0.88	579	2.0	6.9	2.3	80	608
YE2-315S-4	110	150	199	189.1	180.1	1485	171.9	164.4	157.5	1780	94.5	0.89	707	2.0	7.0	2.2	88	970
YE2-315M-4	132	180	238	226.1	215.3	1485	205.6	196.6	188.4	1780	94.7	0.89	849	2.0	7.0	2.2	88	1090
YE2-315L1-4	160	220	285	270.8	257.9	1485	246.1	235.4	225.6	1780	94.9	0.90	1029	2.0	7.1	2.2	88	1160
YE2-315L2-4	200	270	355	337.3	321.2	1485	306.6	293.3	281.0	1780	95.1	0.90	1286	2.0	7.1	2.2	88	1230
YE2-355M-4	250	340	444	421.8	401.7	1490	383.5	366.8	351.5	1785	95.1	0.90	1602	2.0	7.1	2.2	95	1640
YE2-355L-4	315	430	559	531.1	505.8	1490	482.8	461.8	442.5	1785	95.1	0.90	2019	2.0	7.1	2.2	95	1810

**Technical Data** 技术数据

电机型号 Type No.	额定功率 Rated output		额定电流			额定转速 Rated speed (r/min)	额定电流			额定转速 Rated speed (r/min)	效率 EFF %	功率因素 Power factor cosφ	额定转矩 Rated Torque N.m	堵转转矩	堵转电流	最大转矩	噪声 Noise level dB(A)	重量 Weight (Kg)
			Rated current IFL 380V A	Rated current IFL 400V A	Rated current IFL 420V A		堵转转矩 Locked Torque	堵转电流 Locked Current	最大转矩 Max Torque									
YE2	(kW)	HP										Rated Torque TST/TFL	Rated Torque TST/TFL	Rated Torque TST/TFL				
			380 ~ 420V/50Hz			440 ~ 480V/60Hz												
Synchronous speed 1000r/min																		
YE2-90S-6	0.75	1.0	2.1	2.00	1.90	935	1.81	1.73	1.66	1120	75.9	0.71	7.66	2.0	6.0	2.1	57	21
YE2-90L-6	1.1	1.5	3	2.85	2.71	935	2.59	2.48	2.38	1120	78.1	0.72	11.2	2.0	6.0	2.1	57	24
YE2-100L-6	1.5	2.0	4	3.80	3.62	945	3.45	3.30	3.17	1130	79.8	0.72	15.2	2.0	6.5	2.1	61	33
YE2-112M-6	2.2	3.0	5.7	5.42	5.16	965	4.92	4.71	4.51	1155	81.8	0.72	21.8	2.0	6.6	2.1	65	42
YE2-132S-6	3	4.0	7.6	7.22	6.88	975	6.56	6.28	6.02	1170	83.3	0.72	29.4	1.9	6.8	2.1	69	59
YE2-132M1-6	4	5.5	9.7	9.22	8.78	975	8.38	8.01	7.68	1170	84.6	0.74	39.2	1.9	6.8	2.1	69	72
YE2-132M2-6	5.5	7.5	13	12.4	11.8	975	11.2	10.7	10.3	1170	86.0	0.75	53.9	1.9	7.0	2.1	69	78
YE2-160M-6	7.5	10.0	16.8	16.0	15.2	975	14.5	13.9	13.3	1170	87.2	0.78	73.5	2.0	7.0	2.1	70	112
YE2-160L-6	11	15	23.9	22.7	21.6	975	20.6	19.7	18.9	1170	88.7	0.79	108	2.0	7.2	2.1	70	134
YE2-180L-6	15	20	31.8	30.2	28.8	980	27.5	26.3	25.2	1175	89.7	0.80	146	1.9	7.3	2.1	73	178
YE2-200L1-6	18.5	25	38.9	37.0	35.2	980	33.6	32.1	30.8	1175	90.4	0.80	180	1.9	7.3	2.1	73	226
YE2-200L2-6	22	30	45.4	43.1	41.1	980	39.2	37.5	35.9	1175	90.9	0.81	214	1.9	7.4	2.1	73	243
YE2-225M-6	30	40	60.6	57.6	54.8	985	52.3	50.1	48.0	1180	91.7	0.82	291	1.9	6.9	2.1	74	295
YE2-250M-6	37	50	73.5	69.8	66.5	985	63.5	60.7	58.2	1180	92.2	0.83	359	1.9	7.1	2.1	76	368
YE2-280S-6	45	60	86.8	82.5	78.5	990	75.0	71.7	68.7	1185	92.7	0.85	434	1.9	7.3	2.0	78	496
YE2-280M-6	55	75	104	98.8	94.1	990	89.8	85.9	82.3	1185	93.1	0.86	531	1.9	7.3	2.0	78	545
YE2-315S-6	75	100	145	137.8	131.2	990	125.2	119.8	114.8	1185	93.7	0.84	723	1.9	6.6	2.0	83	910
YE2-315M-6	90	120	171	162.5	154.7	990	147.7	141.3	135.4	1185	94.0	0.85	868	1.9	6.7	2.0	83	1030
YE2-315L1-6	110	150	209	198.6	189.1	990	180.5	172.7	165.5	1185	94.3	0.85	1061	1.9	6.7	2.0	83	1120
YE2-315L2-6	132	180	247	234.7	223.5	990	213.3	204.0	195.5	1185	94.6	0.86	1273	1.9	6.8	2.0	83	1185
YE2-355M1-6	160	220	298	283.1	269.6	990	257.4	246.2	235.9	1185	94.8	0.86	1543	1.9	6.8	2.0	85	1530
YE2-355M2-6	200	270	372	353.4	336.6	990	321.3	307.3	294.5	1185	95.0	0.86	1929	1.9	6.8	2.0	85	1690
YE2-355L-6	250	340	465	441.8	420.7	990	401.6	384.1	368.1	1185	95.0	0.86	2412	1.9	6.8	2.0	85	1855


**PREMIUM EFFICIENCY THREE-PHASE ASYNCHRONOUS MOTOR**  
**YE3 高效率三相异步电动机**

The YE3 series three-phase asynchronous motors meet the IE3 energy efficiency level of the IEC60034-30:2008 standard.

The installation dimensions of the YE3 series three-phase asynchronous motors comply with the IEC60034 standard, and have the advantages of reasonable structure, beautiful appearance, low noise, high protection level, and high insulation level. They can be widely used to drive various general mechanical equipment such as fans, water pumps, machine tools, compressor transportation machinery, and can also be used in other harsh environments such as petroleum, chemical, steel, and mining.

YE3系列三相异步电动机符合IEC60034-30:2008 标准的IE3能效等级。YE3系列三相异步电机的安装尺寸符合IEC60034标准，具有结构合理，外表美观、噪声低、防护等级高、绝缘等级高等优点，可广泛应用于风机、水泵、机床、压缩机运输机械等驱动各种通用机械设备，也可在石油、化工、钢铁、矿山等其它环境比较恶劣的场所使用。

**Technical Data:**

Centre height of frame:80-355mm  
 Power range:0.55-315kW  
 Rated voltage:380V or order  
 Rated frequency:50Hz or 60Hz  
 Protection class:IP54 or IP55  
 Insulation class:F  
 Duty type:S1

**产品相关参数:**

机座中心高: 80 ~ 355mm  
 功率范围: 0.55 ~ 315kW  
 额定电压: 380V (其他电压需另订协议)  
 额定频率: 50Hz (或60Hz)  
 防护等级: IP54 (或IP55)  
 绝缘等级: F级  
 工作制: S1

**Technical Data 技术数据**

电机型号 Type No.	额定功率 Rated output		额定电流			额定 转速 Rated speed (r/min)	额定电流			效率 EFF %	功率 因素 Power factor cosφ	额定 转矩 Rated Torque N.m	堵转转矩 额定转矩 Locked Torque	堵转电流 额定电流 Locked Current	最大转矩 额定转矩 Max Torque	噪声 Noise level LW dB(A)	重量 Weight (Kg)	
			Rated current IFL 380V A	Rated current IFL 400V A	Rated current IFL 420V A		Rated current IFL 440V A	Rated current IFL 460V A	Rated current IFL 480V A									Rated Torque TST/TFL
			380 ~ 420V/50Hz			440 ~ 480V/60Hz												
Synchronous speed 3000r/min																		
YE3-80M1-2	0.75	1.0	1.7	1.62	1.54	2870	1.47	1.40	1.35	3440	80.7	0.82	2.5	2.2	7.0	2.3	62	18
YE3-80M2-2	1.1	1.5	2.4	2.28	2.17	2875	2.07	1.98	1.90	3450	82.7	0.83	3.65	2.2	7.3	2.3	62	19
YE3-90S-2	1.5	2.0	3.2	3.04	2.90	2880	2.76	2.64	2.53	3455	84.2	0.84	4.97	2.2	7.6	2.3	67	22
YE3-90L-2	2.2	3.0	4.6	4.37	4.16	2880	3.97	3.80	3.64	3455	85.9	0.85	7.3	2.2	7.6	2.3	67	25
YE3-100L-2	3	4.0	6	5.70	5.43	2880	5.18	4.96	4.75	3455	87.1	0.87	9.95	2.2	7.8	2.3	74	37
YE3-112M-2	4	5.5	7.8	7.41	7.06	2915	6.74	6.44	6.18	3495	88.1	0.88	13.1	2.2	8.3	2.3	77	47
YE3-132S1-2	5.5	7.5	10.6	10.1	9.59	2935	9.15	8.76	8.39	3520	89.2	0.88	17.9	2.0	8.3	2.3	79	68
YE3-132S2-2	7.5	10	14.4	13.7	13.0	2930	12.4	11.9	11.4	3515	90.1	0.88	24.4	2.0	7.9	2.3	79	75
YE3-160M1-2	11	15	20.6	19.6	18.6	2950	17.8	17.0	16.3	3540	91.2	0.89	35.6	2.0	8.1	2.3	81	122
YE3-160M2-2	15	20	27.9	26.5	25.2	2945	24.1	23.1	22.1	3530	91.9	0.89	48.6	2.0	8.1	2.3	81	131
YE3-160L-2	18.5	25	34.2	32.5	30.9	2945	29.5	28.3	27.1	3530	92.4	0.89	60	2.0	8.2	2.3	81	150
YE3-180M-2	22	30	40.5	38.5	36.6	2950	35.0	33.5	32.1	3540	92.7	0.89	71.2	2.0	8.2	2.3	83	193
YE3-200L1-2	30	40	54.9	52.2	49.7	2965	47.4	45.4	43.5	3555	93.3	0.89	96.6	2.0	7.6	2.3	84	255
YE3-200L2-2	37	50	67.4	64.0	61.0	2965	58.2	55.7	53.4	3555	93.7	0.89	119	2.0	7.6	2.3	84	275
YE3-225M-2	45	60	80.8	76.8	73.1	2965	69.8	66.8	64.0	3555	94.0	0.90	145	2.0	7.7	2.3	86	326
YE3-250M-2	55	75	98.5	93.6	89.1	2975	85.1	81.4	78.0	3570	94.3	0.90	177	2.0	7.7	2.3	89	417
YE3-280S-2	75	100	134	127.3	121.2	2975	115.7	110.7	106.1	3570	94.7	0.90	241	1.8	7.1	2.3	91	540
YE3-280M-2	90	120	160	152.0	144.8	2975	138.2	132.2	126.7	3570	95.0	0.90	289	1.8	7.1	2.3	91	596
YE3-315S-2	110	150	195	185.3	176.4	2985	168.4	161.1	154.4	3580	95.2	0.90	352	1.8	7.1	2.3	92	965
YE3-315M-2	132	180	234	222.3	211.7	2985	202.1	193.3	185.3	3580	95.4	0.90	422	1.8	7.1	2.3	92	1070
YE3-315L1-2	160	220	279	265.1	252.4	2985	241.0	230.5	220.9	3580	95.6	0.91	512	1.8	7.2	2.3	92	1150
YE3-315L2-2	200	270	349	331.6	315.8	2985	301.4	288.3	276.3	3580	95.8	0.91	640	1.8	7.2	2.2	92	1210
YE3-355M-2	250	340	436	414.2	394.5	2985	376.6	360.2	345.2	3580	95.8	0.91	800	1.6	7.2	2.2	100	1670
YE3-355L-2	315	430	549	521.6	496.7	2985	474.1	453.5	434.6	3580	95.8	0.91	1008	1.6	7.2	2.2	100	1865

**Technical Data 技术数据**

电机型号 Type No.	额定功率 Rated output		额定电流			额定 转速 Rated speed (r/min)	额定电流			效率 EFF %	功率 因素 Power factor cosφ	额定 转矩 Rated Torque N.m	堵转转矩 额定转矩 Locked Torque	堵转电流 额定电流 Locked Current	最大转矩 额定转矩 Max Torque	噪声 Noise level LW dB(A)	重量 Weight (Kg)	
			Rated current IFL 380V A	Rated current IFL 400V A	Rated current IFL 420V A		Rated current IFL 440V A	Rated current IFL 460V A	Rated current IFL 480V A									Rated Torque TST/TFL
			380 ~ 420V/50Hz			440 ~ 480V/60Hz												
Synchronous speed 1500r/min																		
YE3-80M2-4	0.75	1.0	1.80	1.71	1.63	1430	1.55	1.49	1.43	1715	82.5	0.75	5.01	2.30	6.60	2.30	56	20
YE3-90S-4	1.1	1.5	2.60	2.47	2.35	1430	2.25	2.15	2.06	1715	84.1	0.76	7.35	2.30	6.80	2.30	59	23
YE3-90L-4	1.5	2.0	3.50	3.33	3.17	1430	3.02	2.89	2.77	1715	85.3	0.77	10	2.30	7.00	2.30	59	26
YE3-100L1-4	2.2	3.0	4.80	4.56	4.34	1440	4.15	3.97	3.80	1725	86.7	0.81	14.6	2.30	7.60	2.30	64	37
YE3-100L2-4	3	4.0	6.30	5.99	5.70	1440	5.44	5.20	4.99	1725	87.7	0.82	19.9	2.30	7.60	2.30	64	42
YE3-112M-4	4	5.5	8.40	7.98	7.60	1455	7.25	6.94	6.65	1745	88.6	0.82	26.3	2.20	7.80	2.30	65	49
YE3-132S-4	5.5	7.5	11.2	10.6	10.1	1465	9.67	9.25	8.87	1755	89.6	0.83	35.9	2.00	7.90	2.30	71	70
YE3-132M-4	7.5	10.0	15.0	14.3	13.6	1465	13.0	12.4	11.9	1755	90.4	0.84	48.9	2.00	7.50	2.30	71	84
YE3-160M-4	11	15	21.5	20.4	19.5	1470	18.6	17.8	17.0	1760	91.4	0.85	71.5	2.00	7.70	2.30	73	130
YE3-160L-4	15	20	28.8	27.4	26.1	1470	24.9	23.8	22.8	1760	92.1	0.86	97.4	2.00	7.80	2.30	73	148
YE3-180M-4	18.5	25	35.3	33.5	31.9	1470	30.5	29.2	28.0	1760	92.6	0.86	120	2.00	7.80	2.30	76	192
YE3-180L-4	22	30	41.8	39.7	37.8	1470	36.1	34.5	33.1	1760	93.0	0.86	143	2.00	7.80	2.30	76	206
YE3-200L-4	30	40	56.6	53.8	51.2	1475	48.9	46.8	44.8	1770	93.6	0.86	194	2.00	7.30	2.30	76	275
YE3-225S-4	37	50	69.6	66.1	63.0	1480	60.1	57.5	55.1	1775	93.9	0.86	239	2.00	7.40	2.30	78	325
YE3-225M-4	45	60	84.4	80.2	76.4	1480	72.9	69.7	66.8	1775	94.2	0.86	290	2.00	7.40	2.30	78	350
YE3-250M-4	55	75	103.0	97.9	93.2	1485	89.0	85.1	81.5	1780	94.6	0.86	354	2.00	7.40	2.30	79	435
YE3-280S-4	75	100	136.0	129.2	123.1	1490	117.5	112.4	107.7	1785	95.0	0.88	481	2.00	6.70	2.30	80	585
YE3-280M-4	90	120	163.0	154.9	147.5	1490	140.8	134.7	129.0	1785	95.2	0.88	577	2.00	6.90	2.30	80	653
YE3-315S-4	110	150	197.0	187.2	178.2	1490	170.1	162.7	156.0	1785	95.4	0.89	705	2.00	7.00	2.20	88	1010
YE3-315M-4	132	180	236.0	224.2	213.5	1490	203.8	195.0	186.8	1785	95.6	0.89	846	2.00	7.00	2.20	88	1140
YE3-315L1-4	160	220	285.0	270.8	257.9	1490	246.1	235.4	225.6	1785	95.8	0.89	1026	2.00	7.10	2.20	88	1210
YE3-315L2-4	200	270	352.0	334.4	318.5	1490	304.0	290.8	278.7	1785	96.0	0.90	1282	2.00	7.10	2.20	88	1285
YE3-355M-4	250	340	440.0	418.0	398.1	1495	380.0	363.5	348.3	1790	96.0	0.90	1597	2.00	7.10	2.20	95	1680
YE3-355L-4	315	430	554.0	526.3	501.2	1495	478.5	457.7	438.6	1790	96.0	0.90	2012	2.00	7.10	2.20	95	1870

**Technical Data 技术数据**

电机型号 Type No.	额定功率 Rated output		额定电流			额定转速 Rated speed (r/min)	额定电流			效率 EFF %	功率因素 Power factor cosφ	额定转矩 Rated Torque N.m	堵转转矩	堵转电流	最大转矩	噪声 Noise level LW dB(A)	重量 Weight (Kg)	
			Rated current IFL 380V A	Rated current IFL 400V A	Rated current IFL 420V A		Rated current IFL 440V A	Rated current IFL 460V A	Rated current IFL 480V A				堵转转矩 Locked Torque TST/TFL	堵转电流 Locked Current TST/TFL	最大转矩 Max Torque TST/TFL			
			380 ~ 420V/50Hz			440 ~ 480V/60Hz												
Synchronous speed 1000r/min																		
YE3-90S-6	0.75	1.0	2	1.90	1.81	945	1.73	1.65	1.58	1130	78.9	0.71	7.58	2.00	6.00	2.10	57	23
YE3-90L-6	1.1	1.5	2.8	2.66	2.53	950	2.42	2.31	2.22	1140	81.0	0.73	11.1	2.00	6.00	2.10	57	26
YE3-100L-6	1.5	2.0	3.8	3.61	3.44	950	3.28	3.14	3.01	1140	82.5	0.73	15.1	2.00	6.50	2.10	61	36
YE3-112M-6	2.2	3.0	5.4	5.13	4.89	965	4.66	4.46	4.28	1155	84.3	0.74	21.8	2.00	6.60	2.10	65	46
YE3-132S-6	3	4.0	7.2	6.84	6.51	975	6.22	5.95	5.70	1170	85.6	0.74	29.4	1.90	6.80	2.10	69	63
YE3-132M1-6	4	5.5	9.5	9.03	8.60	975	8.20	7.85	7.52	1170	86.8	0.74	39.2	1.90	6.80	2.10	69	76
YE3-132M2-6	5.5	7.5	12.7	12.1	11.5	975	11.0	10.5	10.1	1170	88.0	0.75	53.9	1.90	7.00	2.10	69	83
YE3-160M-6	7.5	10.0	16.2	15.4	14.7	980	14.0	13.4	12.8	1175	89.1	0.79	73.1	1.90	7.00	2.10	70	120
YE3-160L-6	11	15	23.1	22.0	20.9	980	20.0	19.1	18.3	1175	90.3	0.80	107	1.90	7.20	2.10	70	145
YE3-180L-6	15	20	30.9	29.4	28.0	980	26.7	25.5	24.5	1175	91.2	0.81	146	1.90	7.30	2.10	73	188
YE3-200L1-6	18.5	25	37.8	35.9	34.2	985	32.7	31.2	29.9	1180	91.7	0.81	197	1.90	7.30	2.10	73	242
YE3-200L2-6	22	30	44.8	42.6	40.5	985	38.7	37.0	35.5	1180	92.2	0.81	213	1.90	7.40	2.10	73	262
YE3-225M-6	30	40	59.1	56.2	53.5	985	51.0	48.8	46.8	1180	92.9	0.83	291	1.90	6.90	2.10	74	320
YE3-250M-6	37	50	71.7	68.1	64.9	985	61.9	59.2	56.8	1180	93.3	0.84	359	1.90	7.10	2.10	76	398
YE3-280S-6	45	60	85.8	81.5	77.6	990	74.1	70.9	67.9	1185	93.7	0.85	434	1.90	7.30	2.00	78	532
YE3-280M-6	55	75	103	97.9	93.2	990	89.0	85.1	81.5	1185	94.1	0.86	531	1.90	7.30	2.00	78	583
YE3-315S-6	75	100	143	135.9	129.4	990	123.5	118.1	113.2	1185	94.6	0.84	723	1.90	6.60	2.00	83	965
YE3-315M-6	90	120	170	161.5	153.8	990	146.8	140.4	134.6	1185	94.9	0.85	868	1.90	6.70	2.00	83	1085
YE3-315L1-6	110	150	207	196.7	187.3	990	178.8	171.0	163.9	1185	95.1	0.85	1061	1.90	6.70	2.00	83	1175
YE3-315L2-6	132	180	244	231.8	220.8	990	210.7	201.6	193.2	1185	95.4	0.86	1273	1.90	6.80	2.00	83	1230
YE3-355M1-6	160	220	296	281.2	267.8	995	255.6	244.5	234.3	1190	95.6	0.86	1536	1.90	6.80	2.00	85	1575
YE3-355M2-6	200	270	365	346.8	330.2	995	315.2	301.5	289.0	1190	95.8	0.87	1920	1.90	6.80	2.00	85	1760
YE3-355L-6	250	340	456	433.2	412.6	995	393.8	376.7	361.0	1190	95.8	0.87	2399	1.90	6.80	2.00	85	1920


**Y SERIES THREE-PHASE INDUCTION MOTOR**
**Y 系列三相异步电动机**

Y series motors are totally enclosed and fan cooled (TEFC), three-Phase squirrel cage induction motors. They are newly designed in conformity with the relevant requirements of IEC standards. Y series motors have outstanding performance, such as high efficiency, energy-saving, high starting torque, low noise, little vibration, reliable operation and easy maintenance, etc.

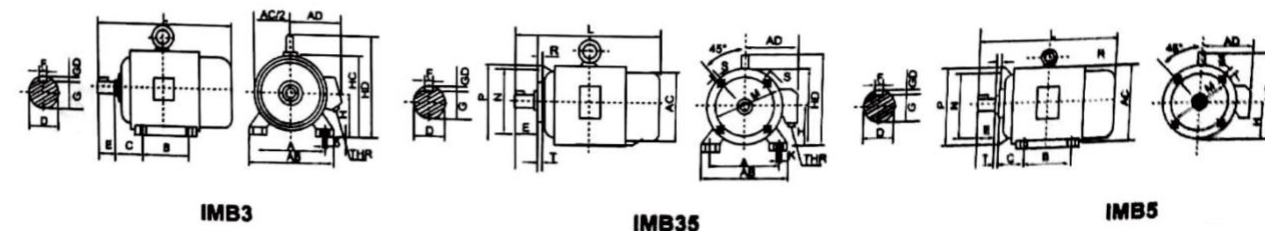
Y系列电机为全封闭式风扇冷却 (TEFC) 三相式感应电动机新设计的符合IEC标准的相关要求。Y系列电机具有卓越的性能高效、节能、高启动转矩、低噪音、振动小、运行可靠易于维护等。Y系列电机广泛应用于许多存在可燃、易爆或腐蚀性气体的地方特殊要求。如钻机、泵、风机、搅拌机、运输机械、食品机械、农业机器和设备等。

**Operating Conditions:**

Ambient temperature:  $-15^{\circ}\text{C} \leq 0 \leq 40^{\circ}\text{C}$   
 Altitude: Not exceeding 1000 meters  
 Rated voltage:  $380\text{V} \pm 5\%$   
 Protection type: IP44/IP54  
 Connection: Y Start-Connection for 3kw and below  
 Delta-Connection for 3kw or more  
 Cooling type: IC0141  
 Insulation class: Class B/Class F  
 Rated frequency: 50Hz/60Hz

**操作条件:**

环境温度:  $-15^{\circ}\text{C} \leq 0 \leq 40^{\circ}\text{C}$   
 海拔高度: 不超过1000米  
 额定电压:  $380\text{V} \pm 5\%$   
 防护类型: IP44/IP54  
 连接: 3kw及以下的Y启动连接  
 3kw或以上的数据连接  
 冷却类型: IC0141  
 绝缘等级: B级/F级  
 额定频率: 50Hz/60Hz



**Technical Data** 技术数据

型号 Type	Power KW	Amps A	Speed rpm	n %	Cos φ	Tst Tn	Lst In	Tmin Tn	Tmax Tn	型号 Type	Power KW	Amps A	Speed rpm	n %	Cos φ	Tst Tn	Lst In	Tmin Tn	Tmax Tn
<b>380V 50Hz 2P</b>										Y315S-4	110	201	1480	93.5	0.89	1.8	6.8	1	2.2
Y80M1-2	0.75	1.8	2830	75	0.84	2.2	6.5	1.5	2.3	Y315M-4	132	241	1490	94	0.89	1.8	6.8	1	2.2
Y80M2-2	1.1	2.5	2830	77	0.86	2.2	7	1.5	2.3	Y315L1-4	160	291	1490	94.5	0.89	1.8	6.8	1	2.2
Y90S-2	1.5	3.4	2840	78	0.85	2.2	7	1.5	2.3	Y315L2-4	200	354	1490	94.5	0.89	1.8	6.8	0.9	2.2
Y90L-2	2.2	4.7	2840	80.5	0.86	2.2	7	1.4	2.3	<b>380V 50Hz 6P</b>									
Y100L-2	3	6.4	2870	82	0.87	2.2	7	1.4	2.3	Y80M-6	0.55	1.8	910	71.5	0.7	2	5.5	1.5	2.2
Y112M-2	4	8.2	2890	85.5	0.87	2.2	7	1.4	2.3	Y90S-6	0.75	2.3	910	72.5	0.7	2	5.5	1.5	2.2
Y132S1-2	5.5	11	2900	85.5	0.88	2	7	1.2	2.3	Y90L-6	1.1	3.2	910	73.5	0.72	2	5.5	1.3	2.2
Y132S2-2	7.5	15	2900	86.2	0.88	2	7	1.2	2.3	Y100L-6	1.5	4	940	77.5	0.74	2	6	1.3	2.2
Y160M1-2	11	22	2930	87.2	0.88	2	7	1.2	2.3	Y112M-6	2.2	5.6	940	80.5	0.74	2	6	1.3	2.2
Y160M2-2	15	29	2930	88.2	0.88	2	7	1.2	2.3	Y132S-6	3	7.2	960	83	0.76	2	6.5	1.3	2.2
Y160L-2	18.5	36	2930	89	0.89	2	7	1.1	2.2	Y132M1-6	4	9.4	960	84	0.77	2	6.5	1.3	2.2
Y180M-2	22	42	2940	89	0.89	2	7	1.1	2.2	Y132M2-6	5.5	13	960	85.3	0.78	2	6.5	1.3	2.2
Y200L1-2	30	57	2940	90	0.89	2	7	1.1	2.2	Y160M-6	7.5	17	970	86	0.78	2	6.5	1.3	2
Y200L2-2	37	70	2950	90.5	0.89	2	7	1.1	2.2	Y160L-6	11	25	970	87	0.78	2	6.5	1.2	2
Y225M-2	45	84	2970	91.5	0.89	2	7	1	2.2	Y180L-6	15	31	970	89.5	0.81	1.8	6.5	1.2	2
Y280M-2	55	103	2970	91.5	0.89	2	7	1	2.2	Y200L1-6	18.5	38	970	89.8	0.83	1.8	6.5	1.2	2
Y280S-2	75	140	2970	92	0.89	2	7	0.9	2.2	Y200L2-6	22	45	970	90.2	0.83	1.8	6.5	1.2	2
Y280M-2	90	167	2970	92.5	0.89	2	7	0.9	2.2	Y225M-6	30	60	980	90.2	0.85	1.7	6.5	1.2	2
Y315S-2	110	200	2980	92.5	0.89	1.8	6.8	0.9	2.2	Y250M-6	37	72	980	90.8	0.86	1.8	6.5	1.2	2
Y315M-2	132	237	2980	93	0.89	1.8	6.8	0.9	2.2	Y280S-6	45	85	980	92	0.87	1.8	6.5	1.1	2
Y315L1-2	160	286	2980	93.5	0.89	1.8	6.8	0.9	2.2	Y280M-6	55	104	980	92	0.87	1.8	6.5	1.1	2
Y315L2-2	200	356	2980	93.5	0.89	1.8	6.8	0.8	2.2	Y315S-6	75	141	990	92.8	0.87	1.6	6.5	1	2
<b>380V 50Hz 4P</b>										Y315M-6	90	168	990	93.2	0.87	1.6	6.5	1	2
Y80M1-4	0.55	1.5	1390	73	0.76	2.4	6	1.7	2.3	Y315L1-6	110	204	990	93.5	0.87	1.6	6.5	1	2
Y80M2-4	0.75	2	1390	74.5	0.76	2.3	6	1.6	2.3	Y315L2-6	132	245	990	93.8	0.87	1.6	6.5	1	2
Y90S-4	1.1	2.8	1400	78	0.78	2.3	6.5	1.6	2.3	<b>380V 50Hz 8P</b>									
Y90L-4	1.5	3.7	1400	79	0.79	2.3	6.5	1.6	2.3	Y132S-8	2.2	5.6	710	80.5	0.71	2	5.5	1.2	2
Y100L1-4	2.2	5	1430	81	0.82	2.2	7	1.5	2.3	Y132M-8	3	7.3	710	82	0.72	2	5.5	1.2	2
Y100L2-4	3	6.8	1430	82.5	0.81	2.2	7	1.5	2.3	Y160M1-8	4	9.5	715	84	0.73	2	6	1.2	2
Y112M-4	4	8.8	1400	84.5	0.82	2.2	7	1.5	2.3	Y160M2-8	5.5	12.7	715	85.5	0.74	2	6	1.2	2
Y132S-4	5.5	12	1400	85.5	0.84	2.2	7	1.4	2.3	Y160L-8	7.5	17	715	86.1	0.75	2	5.5	1.2	2
Y132M-4	7.5	15	1400	87	0.85	2.2	7	1.4	2.3	Y180L-8	11	24.4	730	87	0.77	1.7	6	1.1	2
Y160M-4	11	23	1460	88	0.84	2.2	7	1.4	2.3	Y200L-8	15	32.9	730	88	0.76	1.8	6	1.1	2
Y160L-4	15	30	1460	88.5	0.85	2.2	7	1.4	2.3	Y225S-8	18.5	39.7	735	89.5	0.76	1.7	6	1.1	2
Y180M-4	18.5	36	1470	91	0.86	2	7	1.2	2.2	Y225M-8	22	46.4	735	90	0.78	1.8	6	1.1	2
Y180L-4	22	43	1470	91.5	0.86	2	7	1.2	2.2	Y250M-8	30	61.6	735	90.5	0.8	1.8	6	1.1	2
Y200L-4	30	57	1470	92.2	0.87	2	7	1.2	2.2	Y280S-8	37	76.1	740	91	0.79	1.8	6	1.1	2
Y225S-4	37	70	1480	91.8	0.87	1.9	7	1.2	2.2	Y280M-8	45	90.8	740	91.7	0.8	1.8	6	1	2
Y225M-4	45	84	1480	92.3	0.88	1.9	7	1.1	2.2	Y315S-8	55	111	740	92	0.8	1.6	6.5	1	2
Y250M-4	55	103	1480	92.6	0.88	2	7	1.1	2.2	Y315M-8	75	150	740	92.5	0.81	1.6	6.5	0.9	2
Y280S-4	75	140	1480	92.7	0.88	1.9	7	1	2.2	Y315L1-8	90	179	740	93	0.82	1.6	6.5	0.9	2
Y280M-4	90	164	1480	93.5	0.89	1.9	7	1	2.2	Y315L2-8	110	219	740	93.3	0.82	1.6	6.3	0.9	2


**EXPLOSION-PROOF THREE-PHASE ASYNCHRONOUS MOTOR  
YB3 系列隔爆型三相异步电动机**

YB3 series explosion-proof three-phase asynchronous motor(Frame range 63~355) is produced according to the following requirement :GB3836.1-2010 《The explosive environment part one:the general requirement of the equipment》,GB3836.2-2010 《The explosive environment part two: the equipment of explosion-proof case to protect 》 and MT451-2011 《The general safety specification of the coal mine explosion-proof, low-voltage, three-phase asynchronous motor》.The explosion mark is (EXDI GB、EXD II BT4 MB)of the flammable gas or steam and the air, normally it's used in the power equipment.

YB3系列隔爆型三相异步电动机(机座号63~355),按照GB3836.1-2010 《爆炸性环境第1部分: 设备通用要求》和GB3836.2-2010 《爆炸性环境第2部分: 由隔爆外壳“D”保护的设备及MT451-2010 《煤矿用隔爆型低压三相异步电动机安全性能通用技术规范》的要求。制成隔离型。防爆标志为: EXDIGB、EXDIIBT4MB。适用于含有甲烷或煤尘的煤矿井下固定式设备上 (EXDIGB) 或含有II类A、B级T1~T4组 (EXDIIA4MB、EXDIIIBT4MB) 可燃性气体或蒸气与空气形成的爆炸性混合物的场所内的设备上, 作为一般动力设备使用。

**Operation situation and operation condition** 使用范围及使用条件

电机型号 Type	Group			
	T1	T2	T3	T4
HA	甲烷、乙烷、丙烷、苯、乙烯、甲苯、二甲苯、一氧化碳、醋酸 Methane, Ethane, Propane, Styrene, Toluol, Xylo, Carbon monoxide, Ethylic acid	丁烷、丙烷、乙苯、乙醇、丙醇、丁醇 Butane, Propane, ethylbenzene, carbinol, Alciho, propyl alcohol, Butanol	烷、己烷、庚烷、辛烷、癸烷、环己烷、煤油、柴油、汽油 Aky, Ethane, Heptane, Octane, Cyclohexane, Coal oil, Diesel oil, Gasoline	
HB	丙烯、环氧丙烷、焦炉煤气 Allylene, Cyclopropane, Ethyloxide, Coal oven gas, alcohol tetrahydrofuran, Tetrafluoroethylene	乙烯、1,3-丁二烯环氧乙烷、1,2-环氧丙烷 Ethylene, 1,3-Butadiene epoxy Ethane, 1,2-propylene epoxide	二甲醚、丙烯醛、甲磺酸酐四咪唑、硫化氢 Orthophthalaldehyde, Acrylic aldehyde, Hydrogen furfuryl, Hepatic gas	乙基甲酰胺、二乙醚、四氟乙醚 Bitter ethyl ether, diethylether, tetrafluoroethylene

- The ambient air temperature varies with the season, but does not exceed 35 C (underground coal mine) or 40 C (factory). The minimum ambient air temperature is -15 C.
- Elevation not exceeding 1000m.
- Maximum relative temperature of ambient air is not higher than 25 C (for plant use).
- Rated voltage is 380V, 660V, 1140V, 380V/660V, 660/1140V.
- Rated frequency 50Hz.
- The quota of electric motor is a continuous quota based on continuous working system (S1), which allows full-voltage starting.
- The motor adopts Class F insulation, and the temperature rise of fixed winding (resistance method) is assessed according to 80K (2, 4 poles of 315L and 355 poles of seat number are allowed to be assessed according to 105K).

- 环境空气温度随季节而变化, 但不超过35℃(煤矿井下)或40℃(工厂), 环境空气最低温度为-15℃。
- 海拔不超过1000m。
- 环境空气最大相对湿度不高于25℃(工厂用)。
- 额定电压为380V、660V、1140V、380V/660V、660/1140V。
- 额定频率50Hz。
- 电动机的定额是以连续工作制(S1)为基准的连续定额, 允许满压启动。
- 电动机采用F级绝缘, 定绕组的温升(电阻法)按80K考核(其中机座号315L的2、4极和机座号355, 允许按105K考核)。

**Technical Data 技术数据**

电机型号 Type <b>YB3</b>	额定功率		电流 A	转速 r/min	效率 Eff η%	功率因数 P.F	堵转电流 额定电流 $\frac{I_{st}}{I_n}$	堵转转矩 额定转矩 $\frac{T_{st}}{T_n}$	最大转矩 额定转矩 $\frac{T_{max}}{T_n}$	噪声 dB(A)	振动 Kg
	KW	HP									
Synchronous speed 3000r/min											
YB3-63M1-2	0.18	0.24	0.52	2730	65	0.8	5.6	2.3	2.2	61	1.8
YB3-63M2-2	0.25	0.33	0.69	2730	68	0.81	5.6	2.3	2.2	61	1.8
YB3-71M1-2	0.37	0.5	0.99	2750	69	0.81	6.3	2.3	2.2	64	1.8
YB3-71M2-2	0.55	0.75	1.38	2790	75	0.83	6.3	2.3	2.3	64	1.8
YB3-80M1-2	0.75	1	1.8	2825	77.5	0.83	6.8	2.3	2.3	62	1.6
YB3-80M2-2	1.1	1.5	2.43	2825	82.8	0.83	7.3	2.3	2.3	62	1.6
YB3-90S-2	1.5	2	3.2	2840	84.1	0.84	7.6	2.3	2.3	67	1.6
YB3-90L-2	2.2	3	4.6	2840	85.6	0.85	7.8	2.3	2.3	67	1.6
YB3-100L-2	3	4	6.3	2880	86.7	0.87	8.1	2.3	2.3	74	1.6
YB3-112M-2	4	5.5	7.9	2890	87.6	0.88	8.3	2.3	2.3	77	1.6
YB3-132S1-2	5.5	7.5	10.7	2900	88.6	0.88	8	2.2	2.3	79	1.6
YB3-132S2-2	7.5	10	14.3	2900	89.5	0.89	7.8	2.2	2.3	79	2.2
YB3-160M1-2	11	15	20.7	2930	90.5	0.89	7.9	2.2	2.3	81	2.2
YB3-160M2-2	15	20	28	2930	91.3	0.89	8	2.2	2.3	81	2.2
YB3-160L-2	18.5	25	34.4	2930	91.8	0.89	8.1	2.2	2.3	81	2.2
YB3-180M-2	22	30	40.7	2940	92.2	0.89	8.2	2.2	2.3	83	2.2
YB3-200L1-2	30	40	55.1	2950	92.9	0.89	7.5	2.2	2.3	84	2.2
YB3-200L2-2	37	50	67.7	2950	93.3	0.89	7.5	2.2	2.3	84	2.2
YB3-225M-2	45	60	82	2970	93.7	0.89	7.6	2.2	2.3	86	2.2
YB3-250M-2	55	75	99.9	2970	94	0.89	7.6	2.2	2.3	89	2.2
YB3-280S-2	75	100	135.3	2970	94.6	0.89	6.9	2	2.3	91	2.2
YB3-280M-2	90	125	161.7	2970	95	0.89	7	2	2.3	91	2.8
YB3-315S-2	110	150	195.5	2980	95	0.9	7.1	2	2.2	92	2.8
YB3-315M-2	132	180	233.6	2980	95.4	0.9	7.1	2	2.2	92	2.8
YB3-315L1-2	160	215	280	2980	95.4	0.91	7.1	2	2.2	92	2.8
YB3-315L2-2	200	270	350	2980	95.4	0.91	7.1	2	2.2	92	2.8
YB3-355M-2	250	340	549	2980	95.8	0.91	7.1	2	2.2	100	2.8
YB3-355L-2	315	420	435.7	2980	95.8	0.91	7.1	2	2.2	100	1.6
Synchronous speed 1500r/min											
YB3-63M1-4	0.12	0.16	0.44	1320	58	0.72	4.5	2.3	2.2	52	1.8
YB3-63M2-4	0.18	0.24	0.61	1320	63	0.73	4.5	2.3	2.2	52	1.8
YB3-71M1-4	0.25	0.33	0.78	1350	66	0.74	5.3	2.3	2.2	55	1.8
YB3-71M2-4	0.37	0.5	1.08	1350	69	0.75	5.3	2.3	2.2	55	1.8
YB3-80M1-4	0.55	0.75	1.4	1390	80.7	0.75	6.3	2.3	2.3	56	1.6
YB3-80M2-4	0.75	1	1.8	1390	82.3	0.75	6.5	2.3	2.3	56	1.6
YB3-90S-4	1.1	1.5	2.7	1400	83.8	0.75	6.6	2.3	2.3	59	1.6
YB3-90L-4	1.5	2	3.6	1400	85	0.75	6.9	2.3	2.3	59	1.6
YB3-100L1-4	2.2	3	4.8	1420	86.4	0.81	7.5	2.3	2.3	64	1.6
YB3-100L2-4	3	4	6.4	1420	87.4	0.82	7.6	2.3	2.3	64	1.6
YB3-112M-4	4	5.5	8.4	1440	88.3	0.82	7.7	2.3	2.3	65	1.6
YB3-132S-4	5.5	7.5	11.4	1440	89.2	0.82	7.5	2	2.3	71	1.6
YB3-132M-4	7.5	10	15.2	1440	90.1	0.83	7.4	2	2.3	71	1.6
YB3-160M-4	11	15	21.6	1460	91	0.85	7.5	2.2	2.3	73	2.2
YB3-160L-4	15	20	28.9	1460	91.8	0.86	7.5	2.2	2.3	73	2.2
YB3-180M-4	18.5	25	35.4	1470	92.2	0.86	7.7	2.2	2.3	76	2.2
YB3-180L-4	22	30	42	1470	92.6	0.86	7.8	2.2	2.3	76	2.2
YB3-200L-4	30	40	56.9	1470	93.2	0.86	7.2	2.2	2.3	76	2.2
YB3-225S-4	37	50	69.8	1480	93.6	0.86	7.3	2.2	2.3	78	2.2
YB3-225M-4	45	60	84.7	1480	93.9	0.86	7.4	2.2	2.3	78	2.2
YB3-250M-4	55	75	103.1	1480	94.2	0.86	7.4	2.2	2.3	79	2.2
YB3-280S-4	75	100	136.7	1480	94.7	0.88	6.7	2.2	2.3	80	2.2
YB3-280M-4	90	125	163.6	1480	95	0.88	6.9	2.2	2.3	80	2.2
YB3-315S-4	110	150	199.1	1485	95.4	0.88	6.9	2.2	2.2	88	2.8
YB3-315M-4	132	180	238.9	1485	95.4	0.88	6.9	2.2	2.2	88	2.8
YB3-315L1-4	160	215	286.3	1485	95.4	0.89	6.9	2.2	2.2	88	2.8
YB3-315L2-4	200	270	357.9	1485	95.4	0.89	6.9	2.2	2.2	88	2.8
YB3-355M-4	250	340	440.5	1490	95.8	0.9	6.9	2.2	2.2	95	2.8
YB3-355L-4	315	420	555.1	1490	95.8	0.9	6.9	2.2	2.2	95	2.8

**Technical Data 技术数据**

电机型号 Type <b>YB3</b>	额定功率		电流 A	转速 r/min	效率 Eff η%	功率因数 P.F	堵转电流 额定电流 $\frac{I_{st}}{I_n}$	堵转转矩 额定转矩 $\frac{T_{st}}{T_n}$	最大转矩 额定转矩 $\frac{T_{max}}{T_n}$	噪声 dB(A)	振动 Kg
	KW	HP									
Synchronous speed 1000r/min											
YB3-71M1-6	0.18	0.24	0.71	865	62	0.66	4	2	2.1	52	1.8
YB3-71M2-6	0.25	0.33	0.92	865	63	0.68	4	2	2.1	52	1.8
YB3-80M1-6	0.37	0.5	1.27	865	63	0.7	4	2	2	54	1.7
YB3-80M2-6	0.55	0.75	1.54	870	75.4	0.72	4	2.1	2	55	1.7
YB3-90S-6	0.75	1	2.3	910	77.7	0.72	5.8	2.1	2.1	57	1.6
YB3-90L-6	1.1	1.5	2.9	910	79.9	0.73	5.9	2.1	2.1	57	1.6
YB3-100L-6	1.5	2	3.8	940	81.5	0.74	6	2.1	2.1	61	1.6
YB3-112M-6	2.2	3	5.4	940	83.4	0.74	6	2.1	2.1	65	1.6
YB3-132S-6	3	4	7.9	960	84.9	0.74	6.2	2.1	2.1	69	1.6
YB3-132M1-6	4	5.5	8.4	960	86.1	0.74	6.8	2.1	2.1	69	1.6
YB3-132M2-6	5.5	7.5	12.7	960	87.4	0.75	7.1	2.1	2.1	69	1.6
YB3-160M-6	7.5	10	16.4	970	89	0.78	6.7	2.1	2.1	70	2.2
YB3-160L-6	11	15	23.5	970	90	0.79	6.9	2.1	2.1	70	2.2
YB3-180L-6	15	20	30.9	970	91	0.81	7.2	2.1	2.1	73	2.2
YB3-200L1-6	18.5	25	37.9	970	91.5	0.81	7.2	2.1	2.1	73	2.2
YB3-200L2-6	22	30	44.3	970	92	0.82	7.3	2.1	2.1	73	2.2
YB3-225M-6	30	40	60.8	980	92.5	0.81	7.1	2.1	2.1	74	2.2
YB3-250M-6	37	50	72	980	93	0.84	7.1	2.1	2.1	76	2.2
YB3-280S-6	45	60	85	980	93.5	0.86	7.2	2	2	78	2.2
YB3-280M-6	55	75	103.6	985	93.8	0.86	7.2	2	2	78	2.2
YB3-315S-6	75	100	142.3	985	94.2	0.85	6.7	2	2	83	2.8
YB3-315M-6	90	125	172.3	985	94.5	0.86	6.7	2	2	83	2.8
YB3-315L1-6	110	150	207	985	95	0.86	6.7	2	2	83	2.8
YB3-315L2-6	132	180	245.5	985	95	0.87	6.7	2	2	83	2.8
YB3-355M1-6	160	215	296.7	990	93	0.88	6.7	2	2	85	2.8
YB3-355M3-6	200	270	370.9	990	93	0.88	6.7	2	2	85	2.8
YB3-355L2-6	250	340	463.6	990	93	0.88	6.7	2	2	85	2.8
Synchronous speed 750r/min											
YB3-801-8	0.18	0.24	0.86	710	52	0.61	1.8	3.3	1.9	52	1.8
YB3-802-8	0.25	0.33	1.13	710	55	0.61	1.8	3.3	1.9	52	1.8
YB3-90S-8	0.37	0.5	1.44	710	63	0.62	1.8	4	2	56	1.8
YB3-90L-8	0.55	0.75	2.07	710	64	0.63	1.8	4	2	56	1.8
YB3-100L1-8	0.75	1	2.36	710	71	0.68	1.8	4	2	59	1.8
YB3-100L2-8	1.1	1.5	3.32	710	73	0.69	1.8	4	2	59	1.8
YB3-112M-8	1.5	2	4.4	710	75	0.69	1.8	5.5	2	59	1.8
YB3-132S-8	2.2	3	5.6	710	79	0.69	1.8	6	2	61	1.8
YB3-132M-8	3	4	7.6	710	81	0.73	1.8	6	2.2	64	1.8
YB3-160M1-8	4	5.5	10.3	720	81	0.75	1.9	6	2.2	68	2.8
YB3-160M2-8	5.5	7.5	13.4	720	83	0.76	1.9	6	2.2	68	2.8
YB3-160L-8	7.5	10	17.6	720	85	0.76	1.9	6.5	2.2	68	2.8
YB3-180L-8	11	15	25.3	730	87	0.76	1.9	6.5	2.2	70	2.8
YB3-200L-8	15	20	33.7	730	89	0.78	2	6.5	2.2	70	2.8
YB3-225S-8	18.5	25	40	730	90	0.78	2	6	2.2	73	2.8
YB3-225M-8	22	30	47.4	730	90.5	0.79	2	6.5	2.2	73	2.8
YB3-250M-8	30	40	63.4	730	91	0.79	1.9	6.5	2	73	3.5
YB3-280S-8	37	50	77.8	740	91.5	0.79	1.8	6.5	2	75	3.5
YB3-280M-8	45	60	94.1	740	92	0.79	1.8	6.5	2.2	76	3.5
YB3-315S-8	55	75	111.2	740	92.8	0.81	1.9	6	2.2	82	3.5
YB3-315M-8	75	100	151.3	740	93	0.81	1.9	6.5	2.2	82	3.5
YB3-315L1-8	90	125	177.8	740	93.8	0.82	1.9	6.5	2.2	82	3.5
YB3-315L2-8	110	150	216.8	740	94	0.82	1.9	6.5	2		

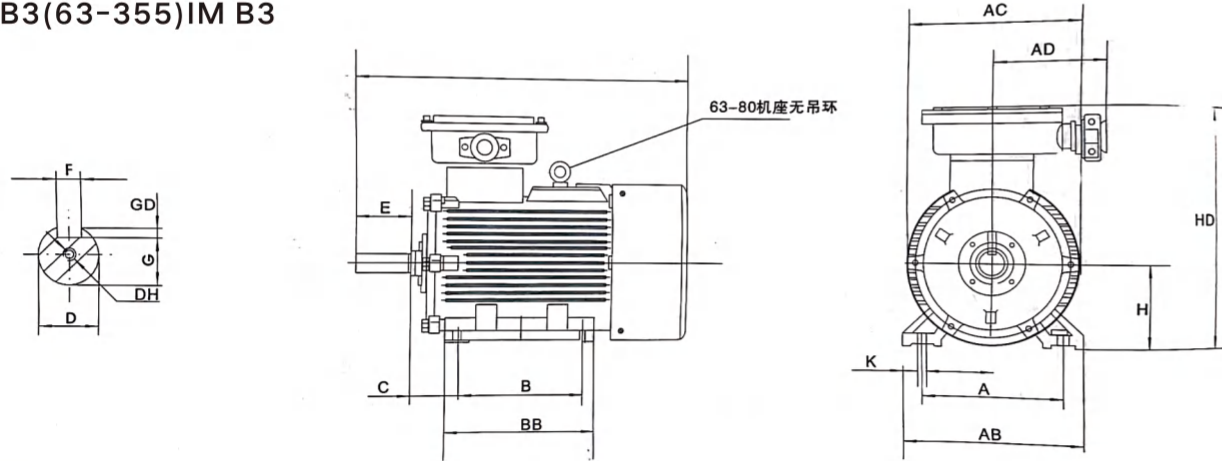
## YB3 系列隔爆型三相异步电动机

Yb3 series explosion-proof three-phase asynchronous motor

### 外形及安装尺寸

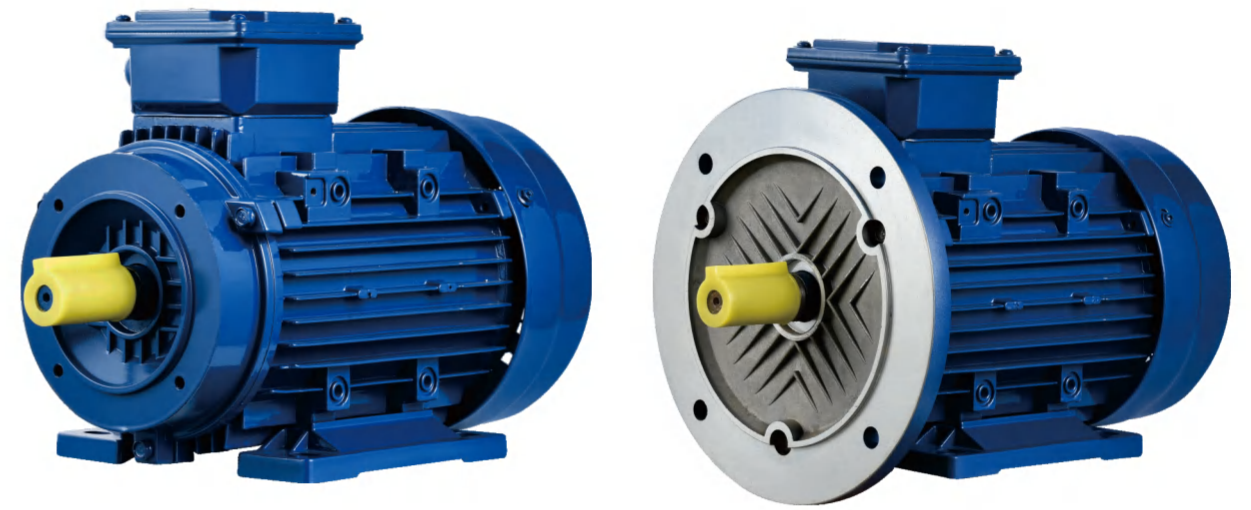
series mouting and overall dimensions

#### YB3(63-355)IM B3



### 技术数据 Technical Data

机座号 Frame size	极数 Poles	安 装 尺 寸 Fixing Measurement										外 形 尺 寸 Figure size						
		A	B	C	D	E	F	G	GD	H	K	AB	AC	AD	BB	HD	L	DH
63M	2.4	100	80	40	11	23	4	8.5	2.5	63	7	130	150	165	110	230	241	M4×10
71M	2.4.6	112	90	45	14	30	5	11	3	71	7	140	155	165	140	250	272	M5×17
80M	2.4.6.8	125	100	50	19	40	6	15.5	3.5	80	10	165	165	180	130	320	320	M6×16
90S	2.4.6.8	140	100	56	24	50	8	20	4	90	12	180	180	180	135	350	370	M8×19
90L	2.4.6.8	140	125	56	24	50	8	20	4	90	12	180	180	180	160	350	395	M8×19
100L	2.4.6.8	160	140	63	28	60	8	24	4	100	12	200	205	180	180	400	448	M10×27
112M	2.4.6.8	190	140	70	28	60	8	24	4	112	12	245	230	200	180	420	500	M10×27
132S	2.4.6.8	216	140	89	38	80	10	33	5	132	15	280	270	200	190	450	550	M12×28
132M	2.4.6.8	216	178	89	38	80	10	33	5	132	15	280	270	200	230	450	600	M12×28
160M	2.4.6.8	254	210	108	42	110	12	37	5	160	15	330	325	200	260	520	720	M16×36
160L	2.4.6.8	254	254	108	42	110	12	37	5	160	15	330	325	220	310	520	750	M16×36
180M	2.4.6.8	279	241	121	48	110	14	42.5	5.5	180	19	355	360	200	241	550	771	M16×36
180L	2.4.6.8	279	279	121	48	110	14	42.5	5.5	180	19	355	360	200	279	550	791	M16×36
200L	2.4.6.8	318	305	133	55	110	16	49	6	200	19	390	400	250	370	645	840	M20×42
225S	4.8	356	286	149	60	140	18	53	7	225	19	435	450	250	355	690	888	M20×42
225M	2	356	311	149	55	110	16	49	6	225	19	435	450	250	380	690	918	M20×42
	4.6.8	356	311	149	60	140	18	53	7	225	19	435	450	250	380	690	918	M20×42
250M	2	406	349	168	60	140	18	53	7	250	24	490	500	300	420	730	965	M20×42
	4.6.8	406	349	168	65	140	18	58	7	250	24	490	500	300	420	730	965	M20×42
280S	2	457	368	190	65	140	18	58	7	280	24	545	565	300	440	810	1007	M20×42
	4.6.8	457	368	190	75	140	20	67.5	7.5	280	24	545	565	300	440	810	1007	M20×42
280M	2	457	419	190	65	140	18	58	7	280	24	545	565	300	480	810	1072	M20×42
	4.6.8	508	419	190	75	140	20	67.5	7.5	280	24	545	565	300	490	810	1072	M20×42
315S	2	508	406	216	65	140	18	58	7	315	28	640	630	400	570	1020	1185	M20×42
	4.6.8.10	508	406	216	80	170	22	71	9	315	28	640	630	400	570	1020	1185	M20×42
315M	2	508	457	216	65	140	18	58	7	315	28	640	630	400	680	1020	1305	M20×42
	4.6.8.10	508	457	216	80	170	22	71	9	315	28	640	630	400	680	1020	1305	M20×42
315L	2	508	508	216	65	140	18	58	7	315	28	640	630	400	680	1020	1305	M20×42
	4.6.8.10	508	508	216	80	170	22	71	9	315	28	640	630	400	680	1020	1305	M20×42
355S	2	500	500	254	75	140	20	67.5	7.5	355	28	740	750	500	640	1080	1415	M20×42
	4.6.8.10	500	500	254	95	170	25	86	9	355	28	740	750	500	640	1080	1415	M24×50
355M	2	560	560	254	75	140	20	67.5	7.5	355	28	740	750	500	700	1080	1495	M20×42
	4.6.8.10	560	560	254	95	170	25	86	9	355	28	740	750	500	700	1080	1495	M24×50
355L	2	630	630	254	75	140	20	67.5	7.5	355	28	740	750	500	770	1080	1645	M20×42
	4.6.8.10	630	630	254	95	170	25	86	9	355	28	740	750	500	770	1080	1648	M24×50



## ALUMINIUM THREE-PHASE ASYNCHRONOUS MOTOR MS 系列铝壳三相异步电动机

MS series aluminium-housing three phase asynchronous motors are developed from Y2 series three phase asynchronous motors, since aluminum-alloy material has been introduced into its housing, end shield, terminal box and removable feet, MS series aluminium-housing motors owns a beautiful appearance and a smooth surface. Despite that, dimensions and output power of MS series aluminium-housing motors.

MS series motors have lots of futures such as high efficiency and energy saving, large starting torque, excellent performance, low noise and vibration, compact structure, high reliability, easy operation and etc.

Operating conditions of MS series aluminium-housing motors are identical with Y2 series motors, while efficiency class are in line with Chinese National standard GB 18613-2012 class III, simultaneously, we supply MS series aluminium-housing motors in conformity with IE3 standard for customers.

MS系列铝壳三相异步电动机是Y2系列铝壳三相异步电动机的改进型产品，采用了铝合金压铸机座、端盖、接线盒、以及可拆卸式底脚，其安装尺寸与功率等级和Y2系列电机保持一致。

Ms系列铝壳三相异步电动机有如下优点：高效节能、启动转矩大、噪音低、结构合理、运行可靠、安装使用方便，同时具有更加光洁的外观、更好的散热性能以及更轻的重量。

MS系列铝壳三相异步电动机使用条件同Y2系列电机，并按我国国家标准GB18613-2012 规定的3级能效制造，等同于国际电工委员会IE2高效标准。

### Technical Data:

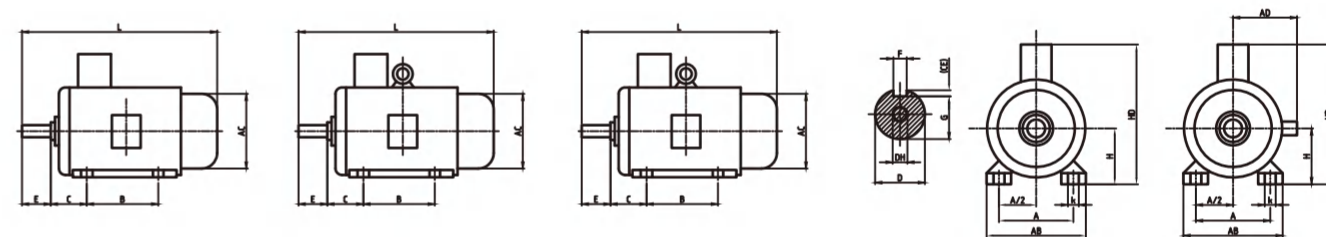
Ambient Temperature:  $-15^{\circ}\text{C} \leq 0 \leq 40^{\circ}\text{C}$   
 Altitude: up to 1000m above sea level  
 Rated Voltage: 220/380V, 230/400V, 380/660V, 400/690V  
 Rated Frequency: 50Hz, 60Hz  
 Connection: Star for 3kW and below, Delta for 4kW and above  
 Duty Type: Continuous(S1)

### 产品相关参数:

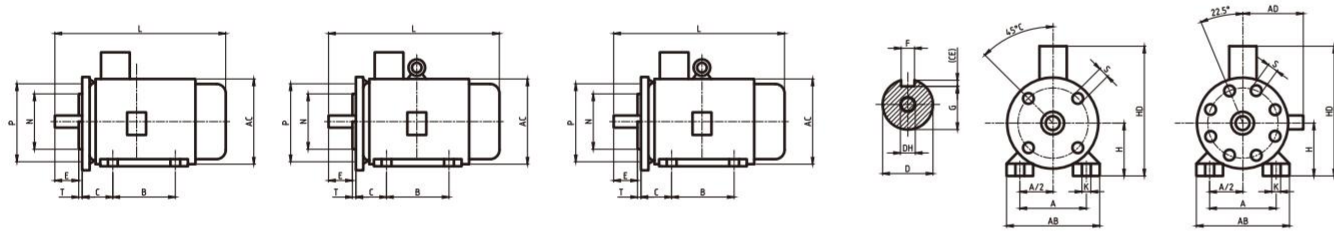
环境空气温度:  $-15^{\circ}\text{C} \leq 0 \leq 40^{\circ}\text{C}$   
 海拔: 不超过1000米  
 额定电压: 220/380V; 230/440V; 380/660V; 400/690V  
 额定频率: 50Hz或60Hz  
 接法: 3kW及以下规格为Y接法, 4kW及以上规格为 $\Delta$ 接法  
 工作方法: 连续(S1)

**Technical Data 技术数据**

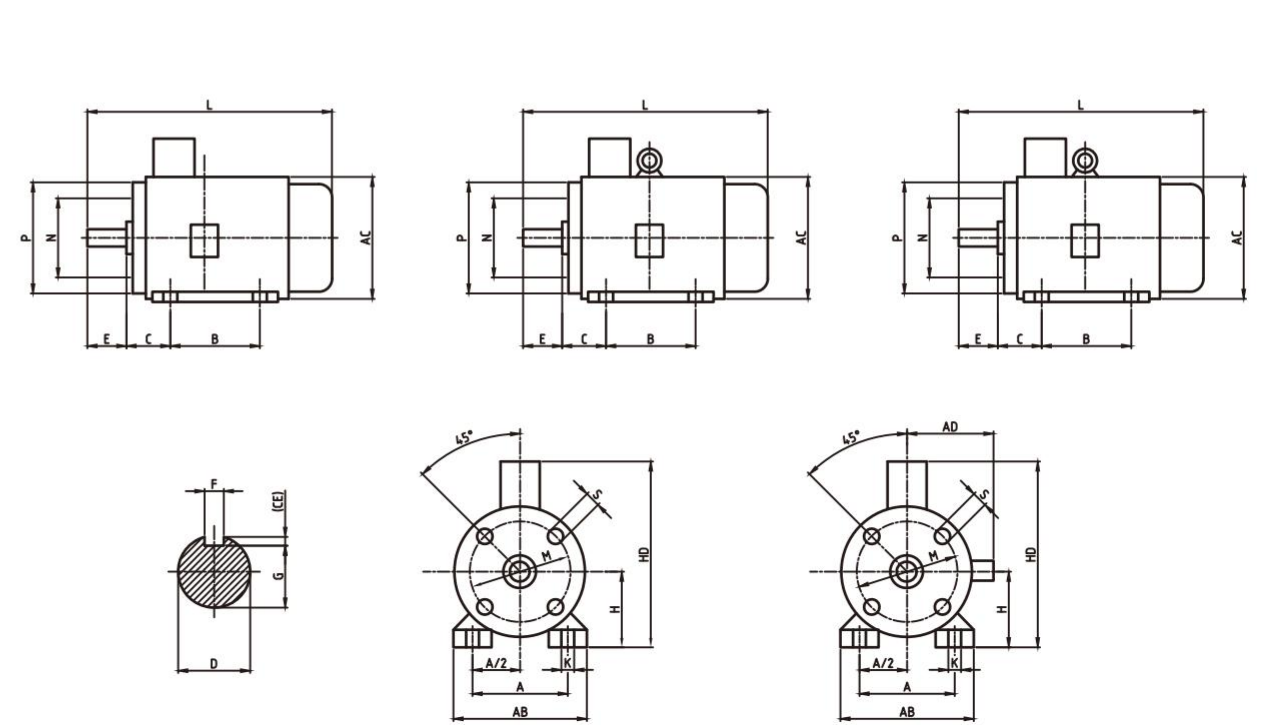
电机型号 Type	额定功率		电流 IN(A)			转速 r/min	效率 Eff η%	功率因数 P.F	额定转矩 Tn N.m	堵转转矩 额定转矩 Tst Tn	最大转矩 额定转矩 Tmax Tn	堵转电流 额定电流 Ist In	惯量 10 <sup>-3</sup> kgm <sup>2</sup>	噪声 dB(A)	重量 Kg
	KW	HP	380V	400V	410V										
<b>MS</b>															
MS-63M1-2	0.18	0.25	0.53	0.50	0.49	2720	65	0.8	0.63	2.2	2.2	5.5	0.00031	58	4.8
MS-63M2-2	0.25	0.35	0.69	0.66	0.63	2720	68	0.81	0.88	2.2	2.2	5.5	0.00060	58	5.1
MS-71M1-2	0.37	0.5	0.99	0.94	0.91	2740	70	0.81	1.29	2.2	2.2	6.1	0.00075	61	6.0
MS-71M2-2	0.55	0.75	1.40	1.33	1.28	2740	73	0.82	1.92	2.2	2.3	6.1	0.00090	61	6.5
MS-80M1-2	0.75	1.0	1.77	0.68	1.62	2830	77.4	0.83	2.53	2.2	2.3	6.1	0.00120	64	8.7
MS-80M2-2	1.1	1.5	2.50	2.38	2.29	2830	79.6	0.84	3.71	2.2	2.3	7.0	0.00140	64	9.5
MS-90S-2	1.5	2.0	3.34	3.17	3.06	2840	81.3	0.84	5.04	2.2	2.3	7.0	0.00290	69	11.8
MS-90L-2	2.2	3.0	4.73	4.49	4.33	2840	83.2	0.85	7.40	2.2	2.3	7.0	0.00550	69	13.5
MS-100L-2	3.0	4.0	6.19	5.88	5.67	2870	84.6	0.87	9.98	2.2	2.3	7.5	0.01090	73	21.0
MS-112M-2	4.0	5.5	8.05	7.65	7.37	2890	85.8	0.88	13.22	2.2	2.3	7.5	0.01260	74	28.0
MS-132S1-2	5.5	7.5	10.9	10.4	10.0	2900	87	0.88	18.11	2.2	2.3	7.5	0.03770	77	39.0
MS-132S2-2	7.5	10	14.7	14.0	13.5	2900	88.1	0.88	24.70	2.2	2.3	7.5	0.04990	77	44.5
MS-132M-2	9	12	17.6	16.6	16.0	2930	88.1	0.88	29.6	2.2	2.3	7.5	0.0510	77	46.5
MS-160M1-2	11	15	21	20.0	19.2	2930	89.4	0.89	35.85	2.2	2.3	7.5	0.05500	83	69.2
MS-160M2-2	15	20	28.4	27.0	26.0	2930	90.3	0.89	48.89	2.2	2.3	7.5	0.07500	83	78.0
MS-160L-2	18.5	25	34.4	32.7	31.5	1310	90.9	0.90	60.30	2.2	2.3	7.5	0.12400	83	88.5
MS-63M1-4	0.12	0.18	0.44	0.42	0.40	1310	57.0	0.72	0.87	2.1	2.3	4.4	0.00050	48	4.8
MS-63M2-4	0.18	0.25	0.62	0.59	0.57	1330	60.0	0.73	1.31	2.1	2.2	4.4	0.00060	48	5.1
MS-71M1-4	0.25	0.35	0.79	0.75	0.72	1330	65.0	0.74	1.80	2.1	2.2	5.2	0.00080	53	6.0
MS-71M2-4	0.37	0.5	1.12	1.06	1.03	1390	67.0	0.75	2.66	2.1	2.2	5.5	0.00130	53	6.3
MS-80M1-4	0.55	0.75	1.57	1.49	1.44	1390	71.0	0.75	3.78	2.4	2.2	5.2	0.00180	58	9.4
MS-80M2-4	0.75	1	1.88	1.79	1.72	1400	73.0	0.76	5.15	2.3	2.3	6.0	0.00210	58	10.8
MS-90S-4	1.1	1.5	2.67	2.54	2.44	1400	75.0	0.77	7.5	2.3	2.3	6.0	0.00230	59	12.0
MS-90L-4	1.5	2	3.48	3.31	3.19	1430	78.0	0.79	10.23	2.3	2.3	6.0	0.00270	59	13.8
MS-100L1-4	2.2	3	4.9	4.65	4.49	1430	80.0	0.81	14.69	2.3	2.3	7.0	0.00540	61	21
MS-100L2-4	3	4	6.5	6.18	5.95	140	82.0	0.82	20.03	2.3	2.3	7.0	0.00670	61	23.5
MS-112M-4	4	5.5	8.56	8.13	7.84	1440	84.0	0.82	26.53	2.3	2.3	7.0	0.00950	62	29.5
MS-132S-4	5.5	7.5	11.5	10.9	10.5	1440	85.0	0.83	36.48	2.3	2.3	7.0	0.02140	69	41.0
MS-132M-4	7.5	10	15.3	14.5	14.0	1440	87.0	0.84	49.74	2.3	2.3	7.0	0.02960	69	47.5
MS-132M1-4	9	12	18.3	17.4	16.8	1460	87.0	0.84	59.69	2.3	2.3	7.0	0.03806	69	48.5
MS-160M1-4	11	15	22.2	21.1	20.3	1460	88.0	0.84	71.95	2.3	2.3	7.0	0.07470	72	72.5
MS-160L-4	15	20	29.6	28.1	27.1	1460	89.0	0.85	98.12	2.2	2.3	7.5	0.09180	72	85.6
MS-63M1-6	0.09	0.12	0.52	0.49	0.48	840	44.0	0.60	1.02	2.2	2.3	3.5	0.00025	48	4.8
MS-63M2-6	0.12	0.18	0.63	0.60	0.58	840	48.0	0.60	1.36	1.8	1.9	3.5	0.00040	48	5.1
MS-71M1-6	0.18	0.25	0.74	0.70	0.68	850	56.0	0.66	2.02	1.8	1.9	4.0	0.00110	49	6.0
MS-71M2-6	0.25	0.37	0.95	0.90	0.87	850	59.0	0.68	2.81	1.9	2.0	4.0	0.00140	49	6.3
MS-80M1-6	0.37	0.5	1.3	1.24	1.19	890	62	0.70	3.97	1.9	2.0	4.7	0.00160	51	8.9
MS-80M2-6	0.55	0.75	1.79	1.70	1.64	890	65.0	0.72	5.90	1.9	2.0	4.7	0.00190	51	10.4
MS-90S-6	0.75	1	2.09	1.99	1.91	910	69.0	0.72	7.87	1.9	2.1	5.5	0.00290	54	12.1
MS-90L-6	1.1	1.5	2.93	2.78	2.68	910	72.0	0.73	11.54	2.0	2.1	5.5	0.00350	54	13.7
MS-100L-6	1.5	2	3.81	3.62	3.49	940	76.0	0.75	15.24	2.0	2.1	5.5	0.00690	58	23.0
MS-112M-6	2.2	3	5.38	5.11	4.93	940	79.0	0.76	22.35	2.0	2.1	6.5	0.01400	62	28.2
MS-132S-6	3	4	7.2	6.84	6.59	960	81.0	0.76	29.84	2.1	2.1	6.5	0.02860	66	40.3
MS-132M1-6	4	5.5	9.45	8.98	8.65	960	82.0	0.76	39.79	2.1	2.1	6.5	0.03570	66	43.0
MS-132M2-6	5.5	7.5	12.0	11.50	11.15	960	84.0	0.77	54.71	2.1	2.1	6.5	0.04490	66	47.2
MS-160M-6	7.5	10	17	16.2	15.60	970	87.0	0.77	73.84	2.0	2.1	6.5	0.08100	70	70.6
MS-160L-6	11	15	24.2	23.0	22.20	970	89.0	0.78	108.30	2.0	2.1	6.5	0.11600	70	85.0

**Series Mounting And Overall Dimensions(IM B3) 外形及安装尺寸(IM B3)**


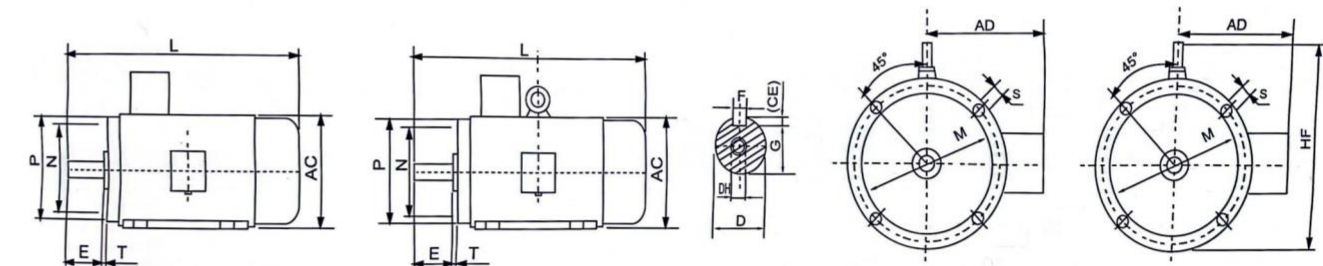
FRAMESIZE	POLES	A	A/2	B	C	D	E	F	G	H	K	AB	AC	AD	HD	L	DH'
63M	24	100	50	80	40	11	23	4	8.5	63	7	135	130	70	180	230	M4X12
71M	246	112	56	90	45	14	30	5	11	71	7	150	145	80	195	255	M5X12
80M	2468	125	62.5	100	50	19	40	6	15.5	80	10	165	175	145	220	295	M6X16
90S	2468	140	70	100	56	24	50	8	20	90	10	180	195	155	250	320	M8X19
90L	2468	140	70	125	56	24	50	8	20	90	10	180	195	155	250	345	M8X19
100L	2468	180	80	140	56	28	60	8	24	100	12	205	215	180	270	385	M10X22
112M	2468	190	95	140	70	28	60	8	24	112	12	230	240	190	300	400	M10X22
132S	2468	216	108	140	89	38	80	10	33	132	12	270	275	210	345	470	M10X28
132M	2468	216	108	178	89	38	80	10	33	132	12	270	275	210	345	510	M12X28
160M	2468	254	127	210	108	42	110	12	37	160	15	320	330	255	420	615	M16X36
160L	2468	254	127	254	108	42	110	12	37	160	15	320	330	255	420	670	M16X36
180M	2468	279	139.5	241	121	48	110	14	42.5	180	15	355	380	280	455	700	M16X36
180L	2468	279	139.5	279	121	48	110	14	42.5	180	15	355	380	280	455	740	M16X36
200L	2468	318	159	305	133	55	110	16	49	200	19	395	420	305	505	770	M20X42
225S	48	356	178	286	149	60	140	18	53	225	19	435	470	335	560	815	M20X42
225M	2	356	178	311	149	55	110	16	49	225	19	435	470	335	560	820	M20X42
250M	468	356	203	311	149	60	140	18	53	250	19	435	470	335	560	845	M20X42
	2	406	203	349	168	60	140	18	53	250	24	490	510	370	615	910	M20X42
280S	468	406	228.5	349	168	65	140	18	58	280	24	490	510	370	615	910	M20X42
	2	457	228.5	368	190	65	140	18	58	280	24	550	580	410	680	985	M20X42
280M	468	457	228.5	368	190	75	140	20	67.5	280	24	550	580	410	680	985	M20X42
	2	457	228.5	419	190	65	140	18	58	280	24	550	580	410	680	1035	M20X42
315S	468	457	254	419	190	75	140	20	67.5	280	24	550	580	410	680	1035	M20X42
	2	508	254	406	216	65	140	18	58	315	28	635	645	630	845	1160	M20X42
315M	46810	508	254	406	216	80	170	22	71	315	28	635	645	630	845	1270	M20X42
	2	508	254	457	216	65	140	18	58	315	28	635	645	630	845	1190	M20X42
315L	46810	580	254	457	216	80	170	22	71	315	28	635	645	630	845	1300	M20X42
	2	508	254	508	216	65	140	18	58	315	28	635	645	630	845	1190	M20X42
355M	46810	508	305	508	216	80	170	22	71	315	28	635	645	630	845	1300	M20X42
	2	610	305	560	254	75	140	20	67.5	355	28	730	710	655	1010	1500	M20X42
355L	46810	610	305	560	254	95	170	25	86	355	28	730	710	655	1010	1530	M20X42
	2	610	305	63													

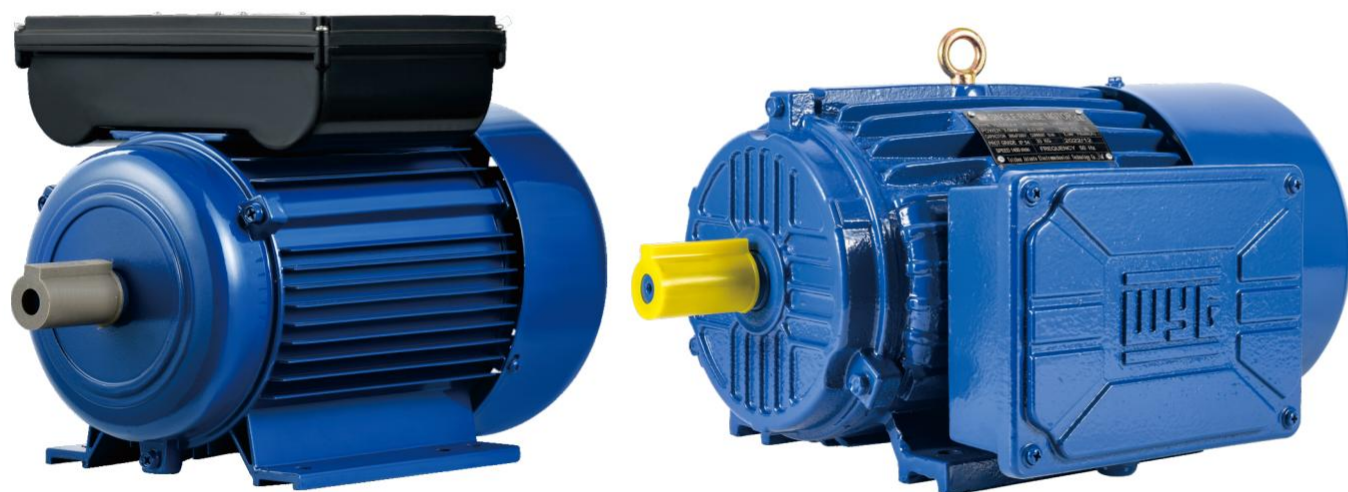
**Series Mounting And Overall Dimensinons(IM B35) 外形及安装尺寸(IM B35)**


FRAME SIZE	POLES	A	A/2	B	C	D	E	F	G	H	K	M	N	P	S	T	FLANGE HOLES	AB	AC	AD	HD	L	DH'
63M	24	100	50	80	40	11	23	4	8.5	63	7	115	95	140	10	3	4	135	130	70	180	230	M4X12
71M	246	112	56	90	45	14	30	5	11	71	7	130	11	160	10	3.5	4	150	145	80	195	255	M5X12
80M	2468	125	62.5	100	50	19	40	6	15.5	80	10	165	130	200	12	3.5	4	165	175	145	220	295	M6X16
90S	2468	140	70	100	56	24	50	8	20	90	10	165	130	200	12	3.5	4	180	195	155	250	320	M8X19
90L	2468	140	70	125	56	24	50	8	20	90	10	165	130	200	12	3.5	4	180	195	155	250	345	M8X19
100L	2468	180	90	140	56.3	28	60	8	24	100	12	215	180	250	15	4	4	205	215	180	270	385	M10X22
112M	2468	190	95	140	70	28	60	8	24	112	12	215	180	250	15	4	4	230	240	190	300	400	M10X22
132S	2468	216	108	140	89	38	80	10	33	132	12	265	230	300	15	4	4	270	275	210	345	470	M10X28
132M	2468	216	108	178	89	38	80	10	33	132	12	265	230	300	15	4	4	270	275	210	345	510	M12X28
160M	2468	254	127	210	108	42	110	12	37	160	15	300	250	350	19	5	4	320	330	255	420	615	M16X36
160L	2468	254	127	254	108	42	110	12	37	160	15	300	250	350	19	5	4	320	330	255	420	670	M16X36
180M	2468	279	139.5	241	121	48	110	14	42.5	180	15	300	250	350	19	5	4	355	380	280	455	700	M16X36
180L	2468	279	139.5	279	121	48	110	14	42.5	180	15	300	250	350	19	5	4	355	380	280	455	740	M16X36
200L	2468	318	159	305	133	55	110	16	49	200	19	350	300	400	19	5	4	395	420	305	505	770	M20X42
225S	48	356	178	286	149	60	140	18	53	225	19	400	350	450	19	5	8	435	470	335	560	815	M20X42
225M	2	356	178	311	149	55	110	16	49	225	19	400	350	450	19	5	8	435	470	335	560	820	M20x42
	468	356	203	311	149	60	140	18	53	250	19	400	350	450	19	5	8	435	470	335	560	845	M20X42
250M	2	406	203	349	168	60	140	18	53	250	24	500	450	550	19	5	8	490	510	370	615	910	M20x42
	468	406	228.5	349	168	65	140	18	58	280	24	500	450	550	19	5	8	490	510	370	615	910	M20X42
280S	2	457	228.5	368	190	65	140	18	58	280	24	500	450	550	19	5	8	550	580	410	680	985	M20x42
	468	457	228.5	368	190	75	140	20	67.5	280	24	500	450	550	19	5	8	550	580	410	680	985	M20X42
280M	2	457	228.5	419	190	65	140	18	58	280	24	500	450	550	19	5	8	550	580	410	680	1035	M20X42
	468	457	254	419	190	75	140	20	57.5	280	24	500	450	550	19	5	8	550	580	410	680	1035	M20X42
315S	2	508	254	406	216	65	140	18	58	315	28	600	550	660	24	6	8	635	645	630	845	1160	M20X42
315M	2	508	254	457	216	65	140	18	58	315	28	600	550	660	24	6	8	635	645	630	845	1190	M20x42
	46810	580	254	457	216	80	170	22	71	315	28	600	550	660	24	6	8	635	645	630	845	1300	M20X42
315L	2	508	254	508	216	65	140	18	58	315	28	600	550	660	24	6	8	635	645	630	845	1190	M20X42
	46810	508	305	508	216	80	170	22	71	315	28	600	550	660	24	6	8	635	645	630	845	1300	M20X42
355M	2	610	305	560	254	75	140	20	67.5	355	28	740	680	800	24	6	8	730	710	655	1010	1500	M20X42
	46810	610	305	560	254	95	170	25	86	355	28	740	680	800	24	6	8	730	710	655	1010	1530	M20x42
355L	2	610	305	630	254	75	140	20	67.5	355	28	740	680	800	24	6	8	730	710	655	1010	1500	M20X42
	46810	610	305	630	254	95	170	25	86	355	28	740	680	800	24	6	8	730	710	655	1010	1530	M20x42

**Series Mounting And Overall Dimensinons(IM B34) 外形及安装尺寸(IM B34)**


FRAME SIZE	POLES	A	A/2	B	C	D	E	F	G	H	K	M	N	P	S	T	FLANGE HOLES	AB	AC	AD	HD	L	DH'
63	24	100	50	80	40	11	23	4	8.5	63	7	75	60	90	0	M5	4	2.5	135	130	70	180	230
71	246	112	56	90	45	14	30	5	11	71	7	85	70	105	0	M6	4	2.5	150	155	80	195	255
80	2468	125	62.5	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	4	3	165	165	145	214	295
90S	2468	140	70	100	56	24	50	8	20	90	10	115	95	140	0	M8	4	3	180	195	155	250	320
90L	2468	140	70	125	56	24	50	8	20	90	10	115	95	140	0	M8	4	3	180	195	155	250	345
100L	2468	160	80	140	63	28	60	8	24	100	12	130	110	160	0	M8	4	3.5	205	215	180	270	385
112M	2468	190	95	140	70	28	60	8	24	112	12	130	110	160	0	M8	4	3.5	230	240	190	300	400





## TWO-VALUE CAPACITOR SINGLE-PHASE ASYNCHRONOUS MOTOR

### YL 系列单相双值电容异步电动机

YL Series two-value capacitor single-phase asynchronous motors are run by capacitor. Main feature: small size high capacity, strong starting torque, high power factor and efficiency, safety and reliability in running, simple construction and easy maintenance, it possess 6 frame No. and capacity as three-phase asynchronous motors. This series motors is of totally enclosed fan cooled structure, YL series motors is suitable for machines and equipments such as full load start.

YL系列双值电容异步电动机系电容启动运行的单相异步电动机，主要特征：体积小、容量大、启动转矩大、及效率高、运行安全可靠、结构简单、容易维护。该电动机拥有6个机座，其容量相当于三相异步电动机。该系列电动机全部采用全封闭、外扇冷式结构，适用于满负荷启动的机械设备。

#### Operating Conditions:

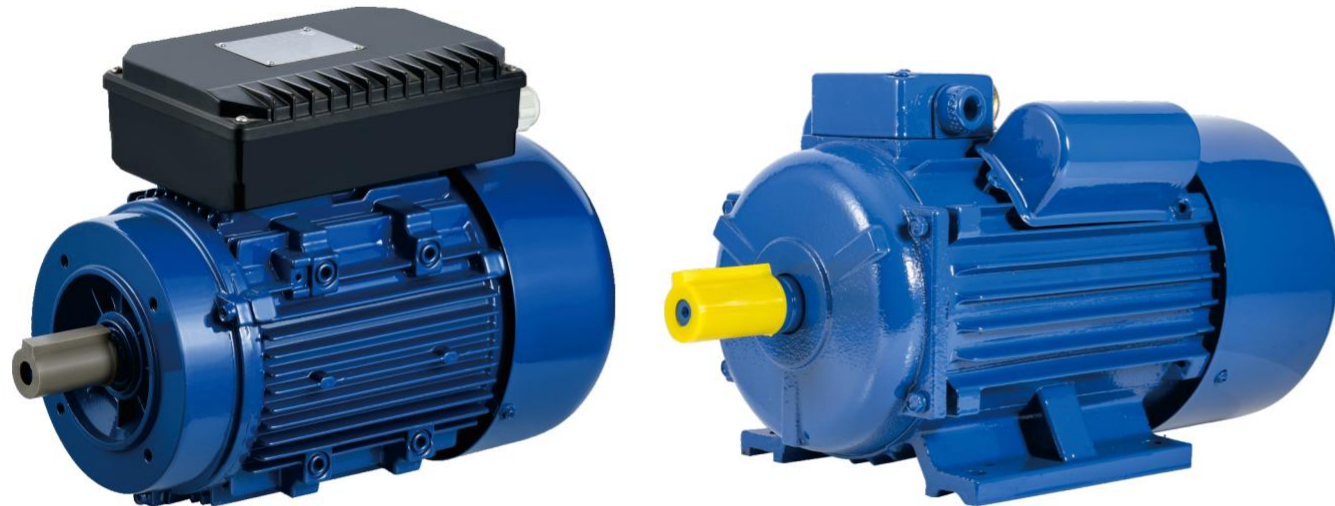
Ambient temperature:  $-15^{\circ}\text{C} < 0 < 40^{\circ}\text{C}$   
 Altitude: not exceeding 1000m  
 Rated voltage: 220V/110V  
 Rated frequency: 50Hz、60Hz  
 Protection class: IP44、IP54  
 Insulation class: Class B、F级  
 Duty: SI (continuous)  
 Cooling method: ICO141

#### 使用条件:

环境温度:  $-15^{\circ}\text{C} < 0 < 40^{\circ}\text{C}$   
 海拔: 不超过1000m  
 额定电压: 220V/110V  
 额定频率: 50Hz、60Hz  
 防护等级: IP44、IP54  
 绝缘等级: B、F级  
 工作方式: SI (连续工作制)  
 冷却方式: ICO141

## Technical Data 技术数据

型号 Type	功率 Output		电压 Voltage (V)	电流 Current (A)	转速 Speed (r/min)	效率 Eff (%)	功率因数 P.F	堵转转矩 Locked-rotor torque	堵转电流 Locked-rotor current	最大转矩 Locked-rotor torque
	KW	HP						额定转矩 Rated torque Tst/Tn	额定电流 Rated current Ist/Tn	额定转矩 Rated torque Tmax/Tn
YL7112	0.5	0.37	220	2.73	2800	67	0.92	1.8	6.0	1.8
YL7122	0.75	0.55	220	3.88	2800	70	0.92	1.8	6.0	1.8
YL7114	0.33	0.25	220	1.99	1400	62	0.92	1.8	6.0	1.8
YL7124	0.5	0.37	220	2.81	1400	65	0.92	1.8	6.0	1.8
YL8012	1	0.75	220	5.15	2810	72	0.92	1.8	6.0	1.8
YL8022	1.5	1.1	220	7.02	2810	75	0.95	1.8	6.0	1.8
YL8014	0.75	0.55	220	4.0	1410	68	0.92	1.8	6.0	1.8
YL8024	1	0.75	220	5.22	1410	71	0.92	1.8	6.0	1.8
YL90S-2	2	1.5	220	9.44	2820	76	0.95	1.8	6.0	1.8
YL90L-2	3	2.2	220	13.7	2820	77	0.95	1.8	6.0	1.8
YL90S-4	1.5	1.1	220	7.21	1430	73	0.95	1.8	6.0	1.8
YL90L-4	2	1.5	220	9.57	1430	75	0.95	1.8	6.0	1.8
YL100L-2	4	3	220	18.4	2850	78	0.95	1.8	6.0	1.8
YL100L1-4	3	2.2	220	13.9	1440	76	0.95	1.8	6.0	1.8
YL100L2-4	4	3	220	18.6	1440	77	0.95	1.8	6.0	1.8
YL112M-2	5	3.7	220	22.2	2850	80	0.95	1.8	6.0	1.8
YL112M-4	3	2.2	220	13.9	1450	76	0.95	1.8	6.0	1.8
YL112M1-4	4	3	220	18.6	1450	77	0.95	1.8	6.0	1.8
YL112M2-4	5	3.7	220	23	1450	78	0.95	1.8	6.0	1.8
YL132S1-4	4	3	220	18.6	1460	77	0.95	1.8	6.0	1.8
YL132S2-4	5	3.7	220	23	1460	78	0.95	1.8	6.0	1.8
YL132M-4	7.5	5.5	220	32.49	1460	81	0.95	1.8	6.0	1.8



## YY SERIES SINGLE-CAPACITOR RUNNING ASYNCHRONOUS MOTOR

### YY 系列单相异步电动机

#### Technical Data 技术数据

Model	Power	Current	Frequency	Power Co-efficiency	Starting torque rated torque	Max Torque Rated Torque
YY5012	25	0.33	40	0.85	0.60	1.7
YY5022	40	0.42	42	0.90	0.50	1.7
YY5014	16	0.28	33	0.80	0.60	1.7
YY5024	25	0.36	38	0.82	0.50	1.7
YY5612	60	0.57	53	0.90	0.50	1.7
YY5622	90	0.81	56	0.90	0.35	1.7
YY5614	40	0.49	45	0.82	0.50	1.7
YY5624	60	0.64	50	0.85	0.50	1.7
YY6312	120	0.91	63	0.95	0.35	1.7
YY6322	180	1.29	67	0.95	0.35	1.7
YY6314	90	0.94	51	0.85	0.35	1.7
YY6324	120	1.17	55	0.85	0.35	1.7
YY7112	250	1.73	69	0.95	0.35	1.7
YY7122	370	2.90	62	0.92	0.35	1.7
YY7114	180	1.58	59	0.88	0.35	1.7
YY7124	250	2.04	62	0.90	0.35	1.7
YY8012	550	3.70	72	0.92	0.33	1.7
YY8022	750	5.09	72	0.93	0.33	1.7
YY8014	370	2.86	64	0.92	0.35	1.7
YY8024	550	4.06	67	0.92	0.35	1.7
YY90S-2	1100	7.02	75	0.95	0.30	1.7
YY90L-2	1500	9.57	75	0.95	0.30	1.7
YY90S-4	750	5.05	71	0.95	0.32	1.7
YY90L-4	1100	7.3	72	0.95	0.30	1.7



## SERIES CAPACITOR START INDUCTION MOTORS YC 系列电容启动异步电动机

Applications: Compressors, refrigerator, remedy apparatus and machine tools, etc.  
Features: High starting torque, low energy consumption. Cast iron or cast aluminum frames.  
The basic type is rated at 220V/50Hz. It also can be provided with 110V/220V, 110V, 240V, and 60Hz.

YC适用于：可作为空气压缩机、电冰箱、医疗器械等机械的动力装置。  
特点：起动转矩较大，性能优良，节能省电，结构可靠，通用性强。基本系列电机额定电源为220V/50Hz，根据需要可提供110V/220V、110V、240V、60Hz等电动机，可采用铸铝机壳或铸铁机壳。

#### Basic conditions:

Ambient temperature:  $-15^{\circ}\text{C} < 0 < 40^{\circ}\text{C}$   
Altitude: not exceeding 1000m  
Rated voltage: 220V/110V  
Rated frequency: 50Hz, 60Hz

#### 基础条件:

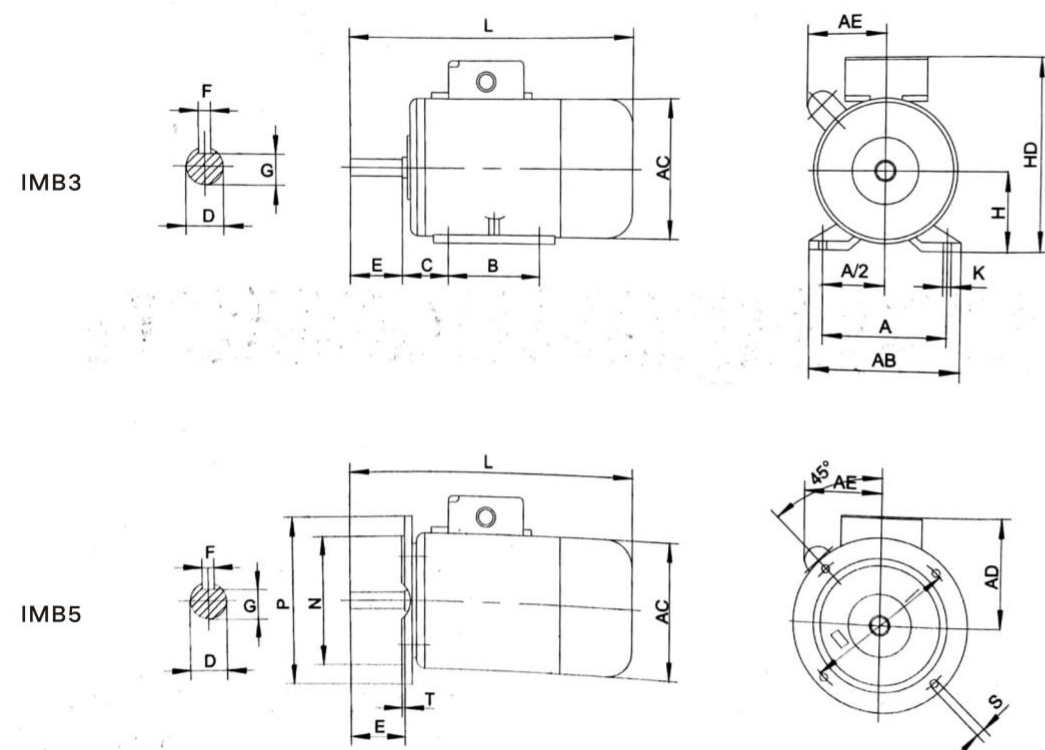
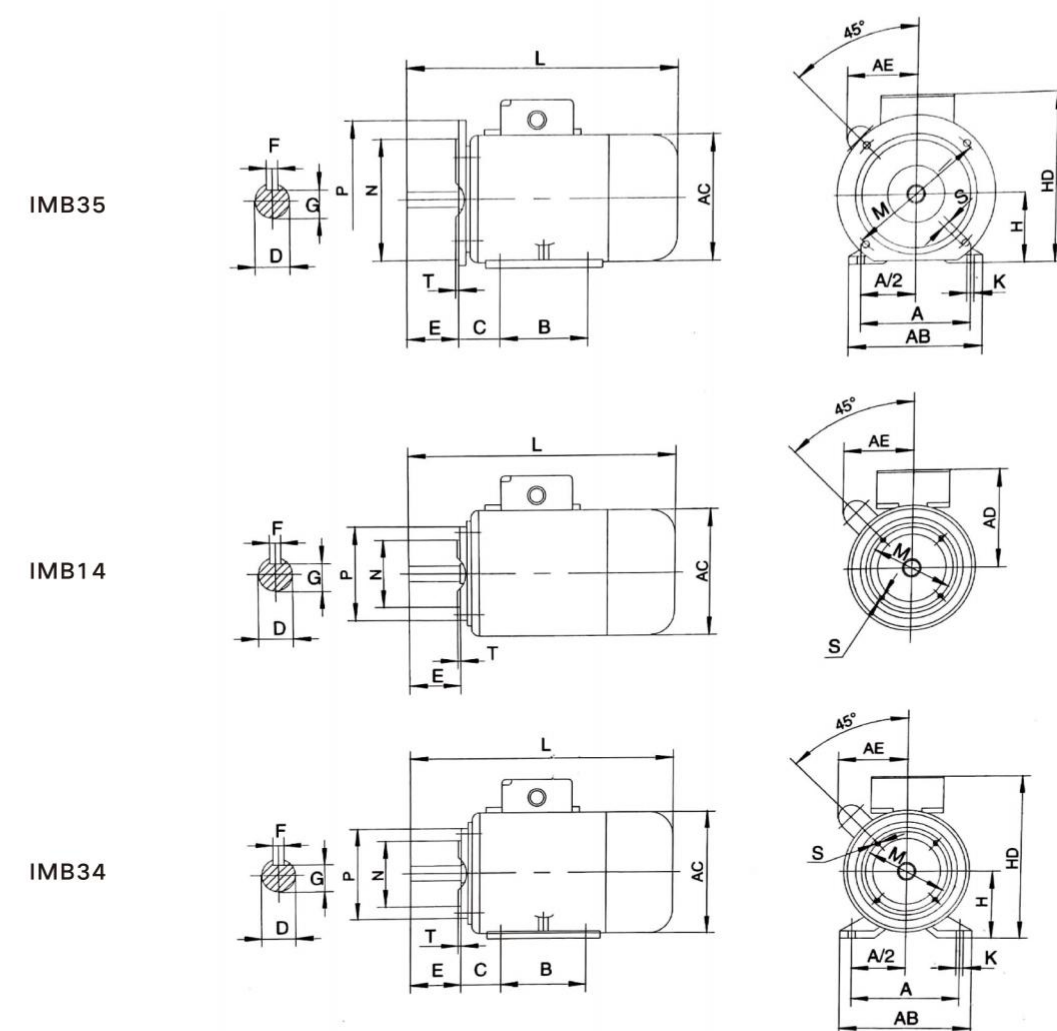
机座号: 71~132  
功率: 0.12~3.7 KW  
工作制: S1  
绝缘等级: B

#### Technical Data 技术数据

电机型号 Type No.	功率 KW	额定电流 Current A	转速 r/min	效率 Eff. %	功率因数 P.F	堵转转矩 额定转矩 $\frac{T_{st}}{T_n}$	堵转电流 Ist
Synchronous speed 3000 r/min							
YC711-2	0.18	1.9	2800	60	0.72	3.0	12
YC711-2	0.25	2.4	2800	64	0.74	3.0	15
YC801-2	0.37	3.4	2800	65	0.77	2.8	21
YC802-2	0.55	4.7	2800	68	0.79	2.8	29
YC90S-2	0.75	6.1	2800	70	0.80	2.5	37
YC100L-2	1.1	8.7	2800	72	0.80	2.5	60
YC100L1-2	1.5	11.4	2850	74	0.81	2.5	80
YC100L2-2	2.2	16.5	2850	75	0.81	2.2	120
YC112M-2	3.0	21.9	2850	76	0.82	2.2	150
YC132S-2	3.7	26.6	2850	77	0.82	2.2	175
Synchronous speed 1500 r/min							
YC711-4	0.12	1.9	1400	50	0.58	3.0	9
YC712-4	0.18	2.5	1400	53	0.62	2.8	12
YC801-4	0.25	3.1	1400	58	0.63	2.8	15
YC802-4	0.37	4.2	1400	62	0.64	2.5	21
YC803-4	0.55	5.9	1400	66	0.69	2.5	22
YC90S-4	0.55	5.5	1400	66	0.69	2.5	29
YC90L1-4	0.75	6.9	1400	68	0.73	2.5	37
YC100L1-4	1.1	9.6	1440	71	0.74	2.5	60
YC100L2-4	1.5	12.5	1440	73	0.75	2.5	80
YC112M-4	2.2	17.9	1400	74	0.76	2.2	120
YC132S-4	3.0	23.6	1400	75	0.77	2.2	150
YC132M-4	3.7	28.4	1400	760	0.79	2.2	175

**Technical Data** 技术数据

电机型号 Type No.	功率 KW	额定电流 Current A	转速 r/min	效率 Eff. %	功率因数 P.F	堵转转矩 额定转矩 $\frac{T_{st}}{T_n}$	堵转电流 I <sub>st</sub>
<b>YC</b>							
Synchronous speed 1000 r/min							
YC90S-6	0.25	4.2	950	54	0.50	2.5	20
YC90L-6	0.37	5.3	950	58	0.56	2.5	25
YC100L1-6	0.55	6.9	950	60	0.60	2.5	35
YC100L2-6	0.75	9.0	950	61	0.62	2.2	45
YC112M-6	1.1	12.2	950	63	0.65	2.2	70
YC132S-6	1.5	14.8	950	68	0.68	2.0	90
YC132M-6	2.2	20.4	950	70	0.70	2.0	130
同J系列电机							
Synchronous speed 3000 r/min							
YC711-2J	0.25	3.5	2800	64	0.74	3.0	12
YC712-2J	0.37	2.4	2800	65	0.77	2.8	21
YC713-2J	0.55	4.7	2800	68	0.79	2.8	29
YC714-2J	0.75	7	2800	70	0.80	2.5	37
YC711-4J	0.18	2.5	1400	53	0.62	2.8	12
YC712-4J	0.25	3.3	1400	58	0.63	2.8	15
YC713-4J	0.37	4.6	1400	62	0.64	2.5	21
YC714-4J	0.55	5.5	1400	68	0.79	2.8	29

**Dimensions** 外形及安装尺寸

**Dimensions** 外形及安装尺寸


机座号 Frame	IMB3										IMB14 IMB34					IMB5 IMB35					IMB3							
	A	A/2	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	L
YC71	112	56	90	45	14	30	5	11	71	7	85	70	105	0	M6	2.5	130	110	160	0	10	3.5	145	145	140	95	180	255
YC80	125	62.5	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	3.0	165	130	200	0	12	3.5	160	165	150	110	200	295
YC90S	140	70	100	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	180	185	160	120	240	370
YC90L	140	70	125	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	180	185	160	120	240	400
YC100	160	80	140	63	28	60	8	24	100	12	-	-	-	-	-	215	180	250	0	15	4	205	200	180	130	260	430	
YC112	190	95	140	70	28	60	8	24	112	12	-	-	-	-	-	215	180	250	0	15	4	145	250	190	140	300	455	
YC132	216	108	140	89	38	80	10	33	132	12	-	-	-	-	-	265	230	300	0	15	4	280	290	210	155	350	525	
YC132	216	108	178	89	38	80	10	33	132	12	-	-	-	-	-	265	230	300	0	15	4	280	290	210	155	350	565	
YC711J	112	56	90	45	16	40	5	13	71	7	85	70	105	0	M6	3.5	130	110	160	0	10	3.5	136	140	110	100	180	265
YC713J	112	56	90	45	16	40	5	13	71	7	85	70	150	0	M6	3.5	130	110	160	0	10	3.5	136	140	110	100	180	285

The other dimensions of IMB14, IMB34 and IMB5 are the same as those of IMB3.注: IMB14、IMB34、IMB5的其余尺寸见“IMB3”栏。

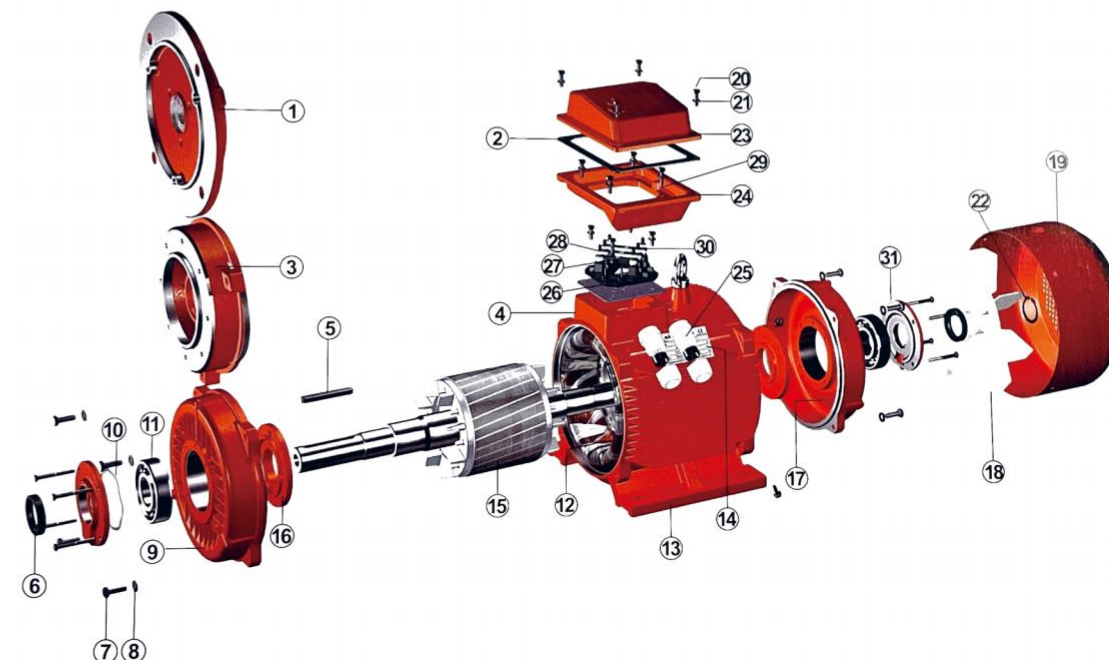


## YCL SERIES SINGLE-PHASE ASYNCHRONOUS MOTOR YCL 系列单相异步电动机

YCL series single-phase industrial capacitor start motors are made according to IEC standards. These are superior delivering excellent torque with good appearance. Easy maintenance, reliable operation. They perform well in voltage fluctuating regions and are commonly used in the pump, compressor, agriculture, farming, building service and manufacturing industry.

YCL系列是工业级启动电容的单相电机，所有安装依据国际IEC标准。本系列电机特点有：外形美观，优越的力矩。维护简单，性能持久耐用。在电压有波动的地区有着良好的表现，通常运用在泵，空压机，农业，家用和制造业。

## ТРЕХМЕРНАЯ ДЕТАЛИЗАЦИЯ AIP 56-63

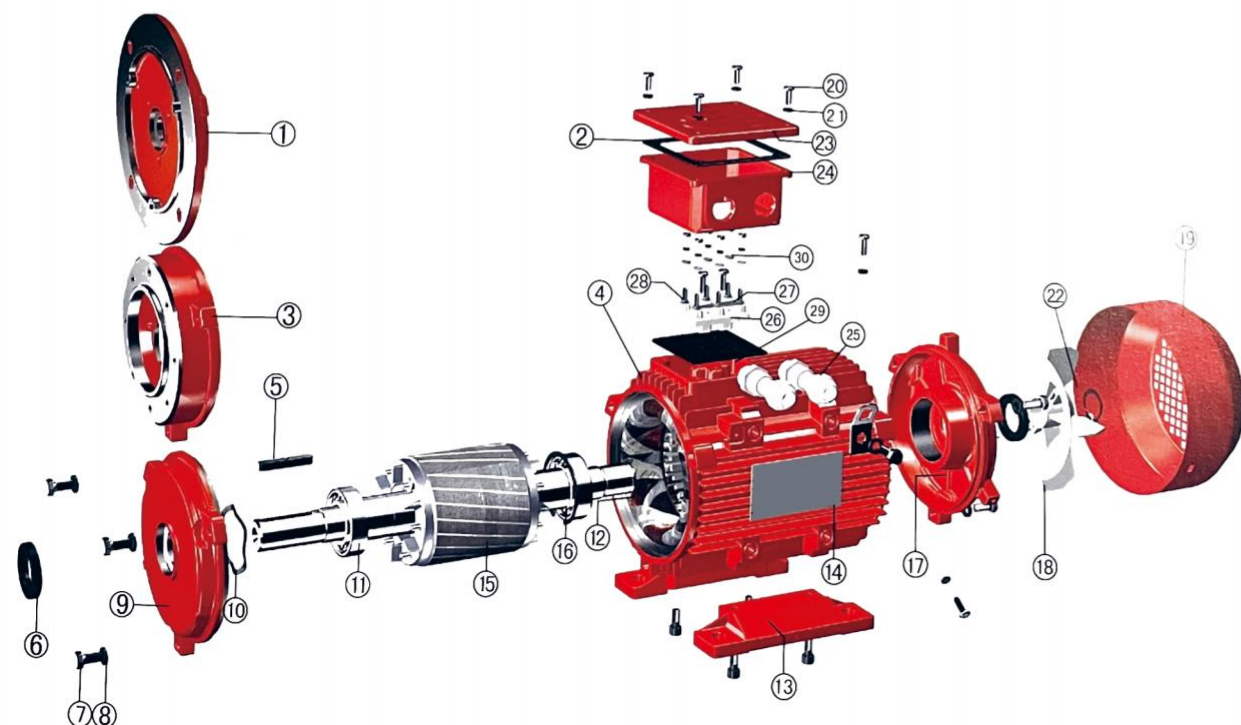


### Technical Data 技术数据

型号 Model	功率 KW	转速 r/min	额定电流 Current A	电压 Voltage V	效率 Eff. %	功率因数 P.F. Cos φ	LRT RLT	BDT RLT	LRA RLA	噪音 Noise LodB(A)	重量 Weight kg
YCL711-2	0.37	2800	2.7	220	67	0.92	1.8	1.7	16	72	10
YCL712-2	0.55	2800	3.9	220	70	0.92	1.8	1.7	21	72	11
YCL711-4	0.25	1400	2.0	220	62	0.92	1.8	1.7	12	67	9
YCL712-4	0.37	1400	2.8	220	65	0.92	1.8	1.7	16	67	10
YCL801-2	0.75	2800	5.1	220	72	0.92	1.8	1.7	29	75	14
YCL802-2	1.1	2800	7.0	220	75	0.95	1.8	1.7	40	75	15
YCL801-4	0.55	1400	4.0	220	68	0.95	1.8	1.7	21	70	13
YCL802-4	0.75	1400	5.2	220	71	0.92	1.8	1.7	29	78	14
YCL90S-2	1.5	2800	9.4	220	76	0.95	1.7	1.7	55	78	22
YCL90L-2	2.2	2800	13.7	220	77	0.95	1.7	1.7	80	78	24
YCL90S-4	1.1	1400	7.2	220	73	0.95	1.7	1.7	40	73	21
YCL90L-4	1.5	1400	9.6	220	75	0.95	1.7	1.7	55	73	23
YCL100L-2	3	2800	18.2	220	79	0.95	1.7	1.7	110	83	24
YCL100L1-4	2.2	1400	13.9	220	76	0.95	1.7	1.7	80	78	32
YCL100L2-4	3	1400	18.6	220	77	0.95	1.7	1.7	110	78	33
YCL112M-2	4	2800	24.5	220	80	0.95	1.7	1.7	130	78	46
YCL112M-4	4	1400	24.8	220	79	0.95	1.7	1.7	130	78	44
YCL132M-2	5.5	2800	32.5	220	85	0.9	2	1.8	6.5	78	46
YCL132M-4	7.5	1460	40	220	85.5	0.9	2	1.8	6.5	78	65

- |                               |                              |                                |
|-------------------------------|------------------------------|--------------------------------|
| 1. Фланец B5                  | 11. Подшипник                | 21. Шайба                      |
| 2. Уплотнительная прокладка   | 12. Статор                   | 22. Фиксирующий элемент        |
| 3. Фланец B14                 | 13. Лапы                     | 23. Крышка клеммной коробки    |
| 4. Станина                    | 14. Шильдик                  | 24. Корпус клеммной коробки    |
| 5. Шпонка                     | 15. Ротор                    | 25. Вводы для питающего кабеля |
| 6. Уплотнительное кольцо      | 16. Стопорное кольцо         | 26. Клеммный бл                |
| 7. Болт                       | 17. Задний подшипниковый щит | 27. Наконечник                 |
| 8. Пружинная шайба            | 18. Крыльчатка вентилятора   | 28. Гайка                      |
| 9. Передний подшипниковый щит | 19. Кожух вентилятора        | 29. Знак заземления            |
| 10. Стопорное кольцо          | 20. Винт                     | 30. Шайба                      |

## ТРЕХМЕРНАЯ ДЕТАЛИЗАЦИЯ АИР 71-355



- |                               |                              |                                |
|-------------------------------|------------------------------|--------------------------------|
| 1. Фланец В5                  | 11. Подшипник                | 20. Винт                       |
| 2. Уплотнительная прокладка   | 12. Статор                   | 21. Шайба                      |
| 3. Фланец В14                 | 13. Лапы                     | 22. Фиксирующий элемент        |
| 4. Станина                    | 14. Шильдик                  | 23. Крышка клеммной коробки    |
| 5. Шпонка                     | 15. Ротор                    | 24. Корпус клеммной коробки    |
| 6. Уплотнительное кольцо      | 16. Крышка подшипника        | 25. Вводы для питающего кабеля |
| 7. Болт                       | 17. Задний подшипниковый щит | 26. Клеммны                    |
| 8. Пружинная шайба            | 18. Крыльчатка вентилятора   | 27. Наконечник                 |
| 9. Передний подшипниковый щит | 19. Кожух вентилятора        | 28. Гайка                      |
| 10. Стопорное кольцо          | 20. Винт                     | 29. Знак заземления            |
|                               |                              | 30. Шайба                      |
|                               |                              | 31. Крышка подшипника          |

## Значение шума

Мощности	Уровень шума для двигателей Ie1						Уровень шума для двигателей Ie2						Уровень шума для двигателей Ie3							
	Скорости (r/min)						Скорости (r/min)						Скорости (r/min)							
	3000(2 полюса)	1500(4 полюса)	1000(6 полюса)	3000(2 полюса)	1500(4 полюса)	1000(6 полюса)	3000(2 полюса)	1500(4 полюса)	1000(6 полюса)	3000(2 полюса)	1500(4 полюса)	1000(6 полюса)	3000(2 полюса)	1500(4 полюса)	1000(6 полюса)					
0.75	56	67	47	58	45	57	0.75	56	67	46	57	45	57	0.75	54	65	44	55	43	54
1.1	56	67	49	61	45	57	1.1	57	68	48	60	45	57	1.1	55	66	46	57	44	55
1.5	61	73	49	61	49	61	1.5	61	73	48	60	49	61	1.5	59	71	48	59	47	58
2.2	62	74	52	64	53	65	2.2	61	73	52	64	53	65	2.2	60	72	51	63	50	62
3	64	76	52	64	57	69	3	63	75	52	64	53	65	3	61	73	51	63	51	63
4	65	77	53	65	57	69	4	65	75	53	65	55	67	4	62	74	52	64	53	65
5.5	68	80	59	71	57	69	5.5	68	80	59	71	55	67	5.5	66	78	58	70	54	66
7.5	68	80	59	71	61	73	7.5	68	80	59	71	57	69	7.5	66	78	58	70	55	67
11	73	86	62	72	61	73	11	72	84	62	72	57	69	11	69	82	60	72	55	67
15	73	86	63	73	61	73	15	73	86	62	72	58	70	15	69	82	60	72	56	68
18.5	73	86	64	76	64	76	18.5	73	86	64	76	58	70	18.5	69	82	60	72	56	68
22	75	88	64	76	64	76	22	74	87	64	76	61	73	22	68	81	61	73	57	70
30	78	92	66	79	64	76	30	77	91	64	76	62	74	30	71	85	62	74	58	71
37	78	92	68	81	66	78	37	77	91	64	76	62	74	37	71	85	62	74	57	70
45	78	92	68	81	68	80	45	77	91	65	78	63	75	45	71	85	61	73	58	71
55	79	93	70	83	68	80	55	80	94	66	79	64	76	55	72	86	62	75	59	72
75	80	94	72	85	73	85	75	80	94	69	82	68	80	75	74	88	65	78	61	74
90	80	94	73	86	73	85	90	80	94	69	82	68	80	90	74	88	65	78	61	74
110	82	96	80	93	73	85	110	81	95	77	90	73	83	110	77	91	67	80	62	75
132	82	96	80	93	73	85	132	81	95	77	90	73	83	132	78	92	66	79	61	74
160	85	99	84	97	80	92	160	85	99	82	95	78	90	160	78	92	66	79	64	77
200	85	100	84	97	80	92	200	85	99	82	95	78	90	200	78	92	66	79	64	77
250	88	102	88	101	80	92	250	88	102	84	97	78	90	250	81	95	75	88	64	77
315	89	103	88	101			315	88	102	84	97			315	83	97	81	94		

## Параметры отверстия для силового кабеля

№ п/п	Габарит двигателя	Мах. ток под нагрузкой	Размер отверстия для кабельного ввода
1	AMP56-71	2.6	1×M20×1.5
2	AMP80-100	6.8	1×M25×1.5
3	AMP112-132	15.4	1×M32×1.5
4	AMP160-180	42.5	2×M32×1.5
5	AMP200-225	84.2	2×M40×1.5
6	AMP250-280	116.6	2×M50×1.5
7	AMP315	358	2×M63×1.5
8	AMP355	546	2×M63×1.5

## Условия эксплуатации

Температура окружающего воздуха:  $-15^{\circ}\text{C} \leq \Theta \leq 40^{\circ}\text{C}$

Высота над уровнем моря: не более 1000м.

Номинальное напряжение: 220/380В 230/440В 380/660В 400/690В

Номинальная частота тока : 50-60 Hz

Режим эксплуатации - непрерывный ( S1 )

Класс изоляции - F

Степень защиты : корпус двигателя - IP54 , IP55; клеммная коробка - IP55

Способ охлаждения : IC411

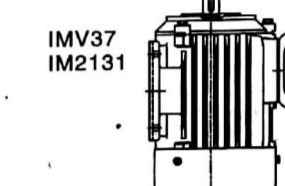
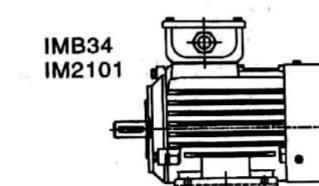
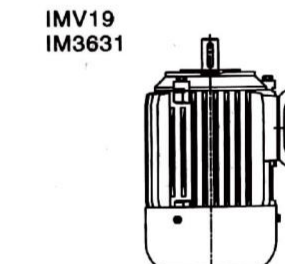
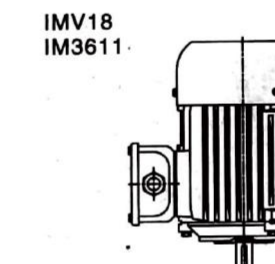
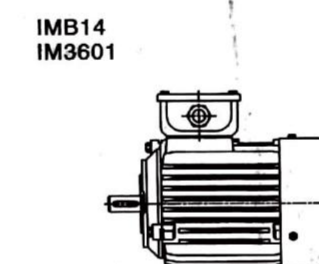
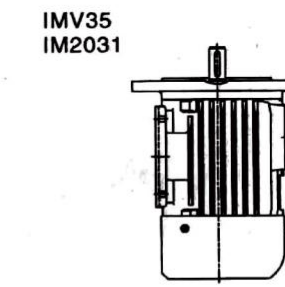
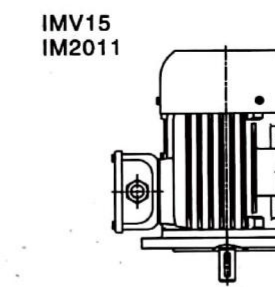
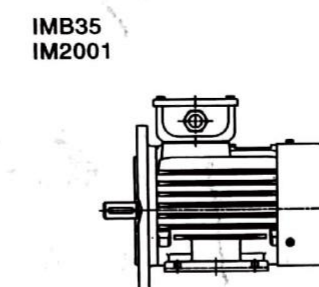
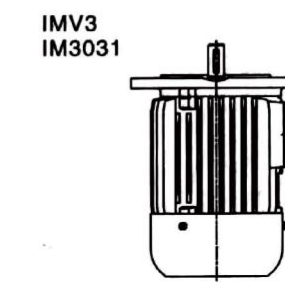
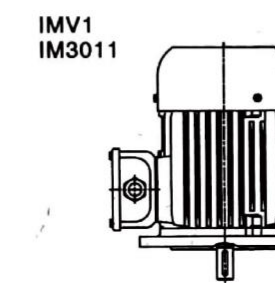
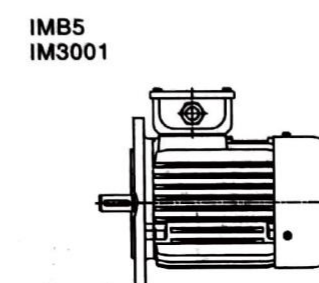
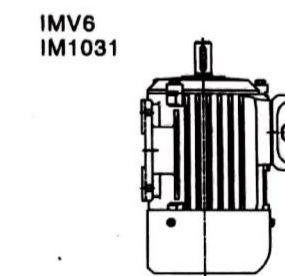
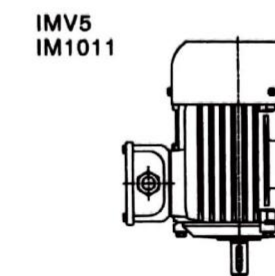
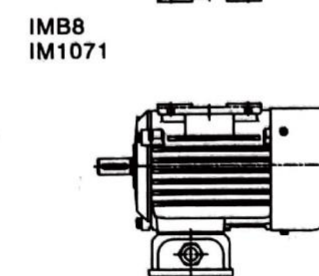
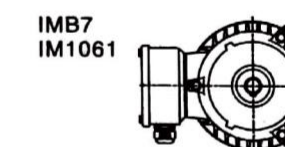
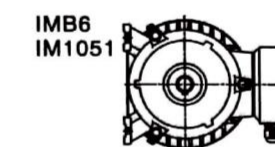
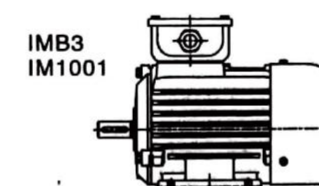
Серия AIP включает в себя 16 типоразмеров электродвигателей, корпусные детали которых могут быть изготовлены из чугуна либо алюминиевого сплава.

Клеммная коробка может быть иметь в зависимости от потребностей заказчика верхнее либо боковое расположение.

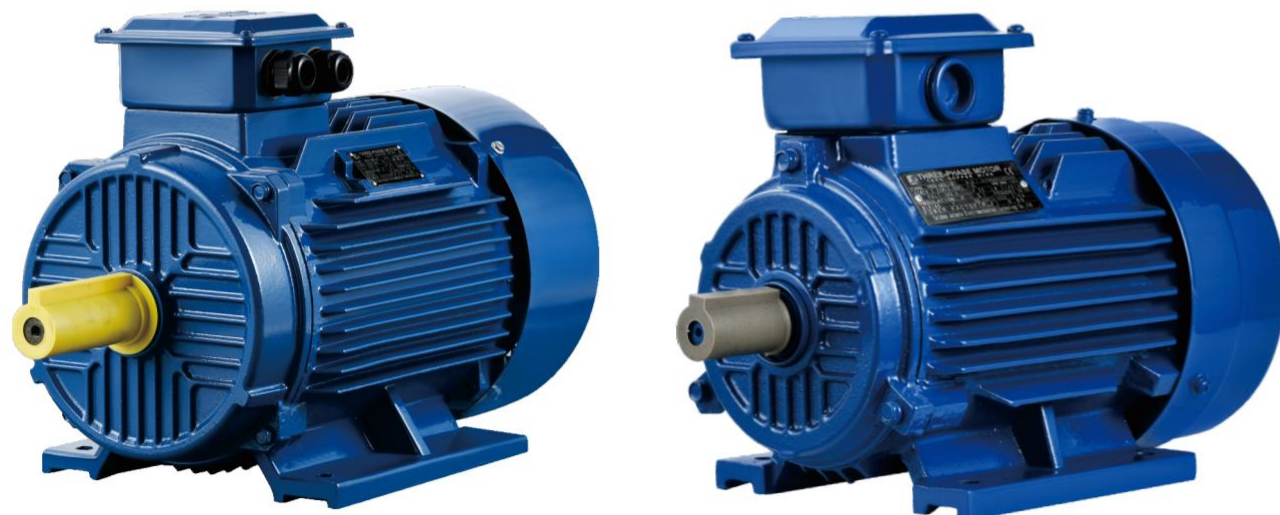
## Модель подшипника

Габарит двигателя	Количество полюсов	На нагруженной цапфе вала		На ненагруженной цапфе вала	
		Вертикальное расположение вала	Горизонтальное расположение вала	Вертикальное расположение вала	Горизонтальное расположение вала
56	2, 4	6201 ZZ-C3	6201 ZZ-C3	6201 ZZ-C3	6201 ZZ-C3
63	2, 4, 6	6202 ZZ-C3	6202 ZZ-C3	6202 ZZ-C3	6202 ZZ-C3
71	2 to 8	6204 ZZ-C3	6204 ZZ-C3	6204 ZZ-C3	6204 ZZ-C3
80	2 to 8	6205 ZZ-C3	6205 ZZ-C3	6205 ZZ-C3	6205 ZZ-C3
90	2 to 8	6205 ZZ-C3	6205 ZZ-C3	6205 ZZ-C3	6205 ZZ-C3
100	2 to 8	6206 ZZ-C3	6206 ZZ-C3	6206 ZZ-C3	6206 ZZ-C3
112	2 to 8	6208 ZZ-C3	6208 ZZ-C3	6208 ZZ-C3	6208 ZZ-C3
132	2 to 8	6308 ZZ-C3	6308 ZZ-C3	6308 ZZ-C3	6308 ZZ-C3
160	2	6309-C3	6309-C3	6309-C3	6309-C3
160	4 to 8	6310-C3	6310-C3	6309-C3	6309-C3
180	2	6310-C3	6310-C3	6309-C3	6309-C3
180	4 to 8	6312-C3	6312-C3	6309-C3	6309-C3
200	2	6312-C3	6312-C3	6312-C3	6312-C3
200	4 to 8	6313-C3	6313-C3	6312-C3	6312-C3
225	2	6313-C3	6313-C3	6313-C3	6313-C3
225	4 to 8	6314-C3	6314-C3	6313-C3	6313-C3
250	2	6314-C3	6314-C3	6314-C3	6314-C3
250	4 to 10	6316-C3	6316-C3	6314-C3	6314-C3
280	2	6316-C3	6316-C3	6314-C3	6314-C3
280	4 to 10	6317-C3	6317-C3	6316-C3	6316-C3
315	2	6317-C3	6317-C3	7317B	6317-C3
315	4 to 10	"6319-C3(NU319E)"	6319-C3	7319B	6319-C3
355	2	6319-C3	6319-C3	7319B	6319-C3
355	4 to 10	"6322-C3(NU322E)"	6322-C3	7322B	6322-C3

## Способ монтажа

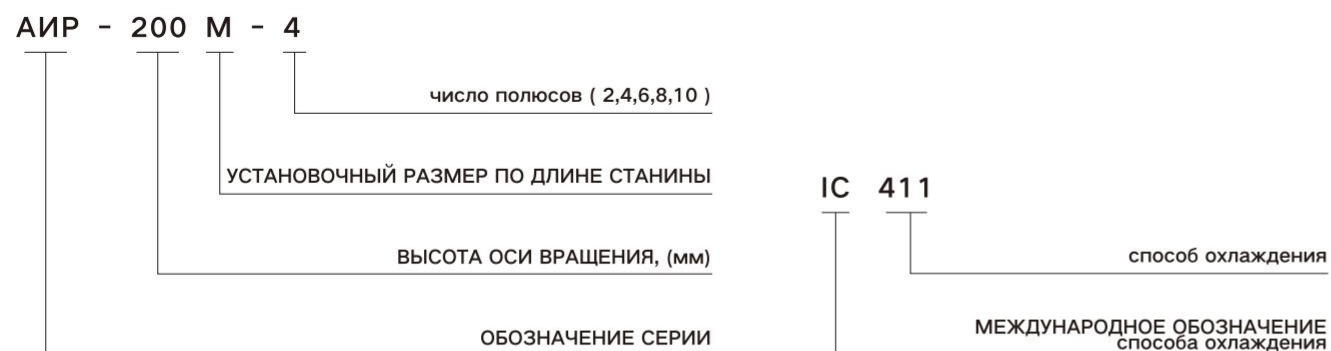


## СЕРИЯ AIR

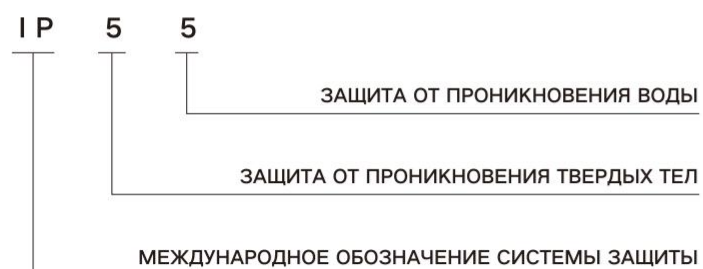


### Обозначение маркировки

#### Кодировка наименования



#### Класс защиты



### Технические параметры

Синхронная скорость вращения 3000 об/мин, 2 полюса, 50 Гц

Тип	Выходная мощность, кВт		Частота вращения вала двигателя об/мин	Номинальный ток, А			КПД%	Коэффициент мощности	Мпуск/Мном	Ммакс/Мном	Iпуск/Iном	Динамический момент инерции ротора	Уровень шума, дБ(А)	Масса кг
	кВт	HP		r/min	220V	380V			660V	Tn				
56A2	0.18	0.25	2720	0.91	0.53	0.3	65	0.8	2.2	2.2	5.3	0.00031	56	4.9
56B2	0.25	0.37	2720	1.19	0.69	0.4	68	0.81	2.2	2.2	5.3	0.0006	56	5.2
63A2	0.37	0.5	2740	1.71	0.99	0.57	70	0.81	2.2	2.2	5.8	0.00075	57	6
63B2	0.55	0.75	2740	2.41	1.4	0.8	73	0.82	2.2	2.3	5.8	0.0009	57	6.5
71A2	0.75	1	2840	3.16	1.83	1.05	75.1	0.83	2.2	2.3	6.1	0.0008	61	11
71B2	1.1	1.5	2840	4.46	2.58	1.49	77	0.84	2.2	2.3	6.7	0.0009	61	12.5
80A2	1.5	2	2840	6.01	3.48	2	78	0.84	2.2	2.3	6.7	0.0018	62	15.5
80B2	2.2	3	2840	8.39	4.85	2.8	81	0.85	2.2	2.3	7	0.0021	62	19.5
90L2	3	4	2830	11	6.39	3.68	83	0.86	2.2	2.3	7	0.0029	64	23
100S2	4	5.5	2880	14	8.12	4.68	85	0.88	2.2	2.3	7.5	0.0055	66	32
100L2	5.5	7.5	2880	19.1	11	6.36	86	0.88	2.2	2.3	7.5	0.0109	66	36
112M2	7.5	10	2885	25.7	14.9	8.57	88	0.87	2.2	2.3	7	0.0126	69	50
132M2	11	15	2920	38.1	22.1	12.7	88	0.86	2.2	2.3	7.5	0.024	74	89
160S2	15	20	2930	49.4	28.6	16.5	89.5	0.89	2.2	2.3	7.5	0.039	74	120
160M2	18.5	25	2935	59.9	34.7	20	90	0.9	2.2	2.3	7.5	0.045	78	140
180S2	22	30	2945	70.9	41	23.6	90.5	0.9	2	2.3	7.5	0.063	78	170
180M2	30	40	2945	96.7	56	32.2	90.5	0.9	2	2.3	7.5	0.076	82	203
200M2	37	50	2950	119	69.1	39.8	92.5	0.88	2	2.3	7	0.13	82	248
200L2	45	60	2955	145	84	48.4	92.5	0.88	2	2.3	7	0.15	84	255
225M2	55	75	2960	172	99.8	57.5	93	0.9	2.2	2.3	7.5	0.21	84	328
250S2	75	100	2970	238	138	79.3	93	0.89	2	2.4	7	0.47	84	480
250M2	90	125	2970	282	163	94.1	93	0.9	2	2.4	7	0.52	86	525
280S2	110	150	2980	347	201	116	93.5	0.89	2	2.2	7	0.85	86	610
280M2	132	180	2980	414	240	138	94	0.89	1.8	2.2	7	1.02	86	695
315S2	160	220	2975	481	279	160	94.8	0.92	1.8	2.2	7.1	2.08	87	1055
315M2	200	270	2975	601	348	200	95	0.92	1.8	2.2	7.1	2.38	87	1110
355S2	250	340	2980	748	433	249	95.4	0.92	1.8	2.2	7.1	3	103	1900
355M2	315	430	2980	941	545	314	95.5	0.92	1.8	2.2	7.1	3.5	103	2300

### Технические параметры

Синхронная скорость вращения 1500 об/мин, 4 полюса, 50 Гц

Тип	Выходная мощность, кВт		Частота вращения вала двигателя об/мин	Номинальный ток, А			КПД%	Коэффициент мощности	Мпуск/Мном	Ммакс/Мном	Iпуск/Iном	Динамический момент инерции ротора	Уровень шума, дБ(А)	Масса кг
	кВт	HP		r/min	220V	380V			660V	Tn				
56A4	0.12	0.17	1310	0.77	0.44	0.26	57	0.72	2.1	2.2	4.6	0.0005	48	4.9
56B4	0.18	0.25	1310	1.08	0.62	0.36	60	0.73	2.1	2.2	5.0	0.0006	48	5.2
63A4	0.25	0.37	1330	1.36	0.79	0.45	65	0.74	2.1	2.2	5.2	0.0008	52	6.1
63B4	0.37	0.5	1330	1.93	1.12	0.64	67	0.75	2.1	2.2	5.2	0.0013	52	6.4
71A4	0.55	0.75	1390	2.71	1.57	0.9	71.1	0.75	2.2	2.3	5.7	0.0018	55	11
71B4	0.75	1	1390	4.18	2.42	1.39	62	0.76	2.2	2.3	5.7	0.0021	55	13
80A4	1.1	1.5	1390	4.93	2.86	1.64	76	0.77	2.3	2.3	6.2	0.0034	57	16
80B4	1.5	2	1390	6.39	3.7	2.13	78	0.79	2.3	2.3	6.5	0.0036	57	19.5
90L4	2.2	3	1410	8.8	5.1	2.93	80	0.82	2.3	2.3	7	0.0055	58	25
100S4	3	4	1430	11.7	6.78	3.9	82	0.82	2.2	2.3	7	0.0068	60	35
100L4	4	5.5	1430	15.2	8.82	5.08	84	0.82	2.2	2.3	7	0.0096	60	37
112M4	5.5	7.5	1435	20.5	11.8	6.82	86	0.82	2.3	2.3	7	0.02	59	55
132S4	7.5	10	1455	27.3	15.8	9.09	87	0.83	2.3	2.3	7	0.032	59	79

132M4	11	15	1455	39.5	22.9	13.2	88	0.83	2.2	2.3	7	0.045	61	90
160S4	15	20	1460	51.7	30	17.2	89.5	0.85	2.2	2.3	7.5	0.075	67	125
160M4	18.5	25	1460	62.7	36.3	20.9	90	0.86	2.2	2.3	7.5	0.087	67	142
180S4	22	30	1465	74.6	43.2	24.9	91	0.85	2.2	2.3	7.2	0.16	72	177
180M4	30	40	1465	102	58.9	33.9	91	0.85	2.2	2.3	7.5	0.2	72	190
200M4	37	50	1475	122	70.7	40.7	92.5	0.86	2.2	2.3	7	0.27	75	247
200L4	45	60	1475	147	85	48.9	92.5	0.87	2.2	2.3	7	0.32	75	260
225M4	55	75	1475	180	104	60.2	93	0.86	2.2	2.3	7.2	0.5	76	330
250S4	75	100	1470	248	143	82.6	93.5	0.85	2.2	2.3	7.2	1.02	76	485
250M4	90	125	1470	289	167	96.3	94	0.87	2.2	2.3	7.2	1.21	80	530
280S4	110	150	1480	349	202	116	94	0.88	2	2.1	7	2.18	80	615
280M4	132	180	1480	419	242	140	94	0.88	2	2.1	7	2.6	80	700
315S4	160	220	1480	497	288	166	95	0.89	2.1	2.2	6.9	4.13	81	1055
315M4	200	270	1480	621	359	207	95	0.89	2.1	2.2	6.9	4.73	81	1128
355S4	250	340	1480	765	443	255	95.3	0.9	2.1	2.2	6.9	6.5	101	1700
355M4	315	430	1480	964	558	321	95.3	0.9	2.1	2.2	6.9	8.2	101	1900

### Технические параметры

Синхронная скорость вращения 1000 об/мин, 6 полюса, 50 Гц

Тип	Выходная мощность, кВт		Частота вращения вала двигателя об/мин	Номинальный ток, А			КПД%	Коэффициент мощности	Мпуск/Мном Ts	Ммакс/Мном Tmax/Tn	Iпуск/Iном Is	Динамический момент инерции ротора kgm <sup>2</sup>	Уровень шума, дБ(А)	Масса кг
	KW	HP		220V	380V	660V								
63A6	0.18	0.25	850	1.28	0.74	0.43	56	0.66	1.9	2	4.2	0.0011	49	6
63B6	0.25	0.37	850	1.64	0.95	0.55	59	0.68	1.9	2	4	0.0014	49	6.3
71A6	0.37	0.5	885	2.13	1.23	0.71	65.1	0.7	1.9	2	4.7	0.0012	51	12.2
71B6	55	0.75	885	3.93	2.28	1.31	51	0.72	1.9	2	4.7	0.0015	51	12.5
80A6	0.75	1	910	3.96	2.29	1.32	69	0.72	2	2.1	5.5	0.0033	52	16
80B6	1.1	1.5	910	5.49	3.18	1.83	72	0.73	2	2.1	5.5	0.0046	52	20
90L6	1.5	2	910	6.82	3.95	2.27	77	0.75	2	2.1	6.5	0.007	60	25
100L6	2.2	3	940	9.5	5.5	3.17	80	0.76	2	2.1	6.5	0.015	57	38
112MA6	3	4	955	12.3	7.13	4.11	83	0.77	2.1	2.3	6	0.024	56	51
112MB6	4	5.5	960	16.6	9.63	5.55	83	0.76	2.1	2.3	6	0.028	56	53
132S6	5.5	7.5	960	22.6	13.1	7.54	84	0.76	2.1	2.1	6.5	0.046	61	80
132M6	7.5	10	960	29.9	17.3	9.95	84.5	0.78	2	2	6.5	0.066	62	91
160S6	11	15	965	42.3	24.5	14.1	87.5	0.78	2	2.1	7	0.101	65	126
160M6	15	20	965	54.6	31.6	18.2	89	0.81	2	2.1	7	0.16	65	148
180M6	18.5	25	980	67.3	39	22.4	89	0.81	2.1	2.1	7	0.25	68	200
200M6	22	30	980	77.3	44.7	25.8	90	0.83	2	2.3	6	0.42	71	240
200L6	30	40	980	107	61.8	35.6	90	0.82	2.2	2.3	7	0.462	71	250
225M6	37	50	980	127	73.5	42.3	91	0.84	2.1	2	7	0.63	73	330
250S6	45	60	985	156	90.1	51.9	92.5	0.82	2	2.1	7	1.21	75	485
250M6	55	75	985	190	110	63.4	92.5	0.82	2	2.1	7	1.29	75	530
280S6	75	100	985	259	150	86.5	92.5	0.82	2	2	7	3.02	75	610
280M6	90	125	985	306	177	102	93	0.83	2	2	7	3.22	75	700
315S6	110	150	985	357	207	119	94.1	0.86	2	2	6.7	5.45	76	1045
315M6	132	180	985	422	244	141	94.3	0.87	2	2	6.7	6.12	76	1100
355S6	160	220	990	504	292	168	94.6	0.88	1.9	2	6.7	9.5	92	1550
355M6	200	270	990	630	365	210	94.6	0.88	1.9	2	6.7	10.4	92	1600
355MB6	250	340	990	788	456	263	94.6	0.88	1.9	2	6.7	12.4	92	1700

### Технические параметры

Синхронная скорость вращения 750 об/мин, 8 полюса, 50 Гц

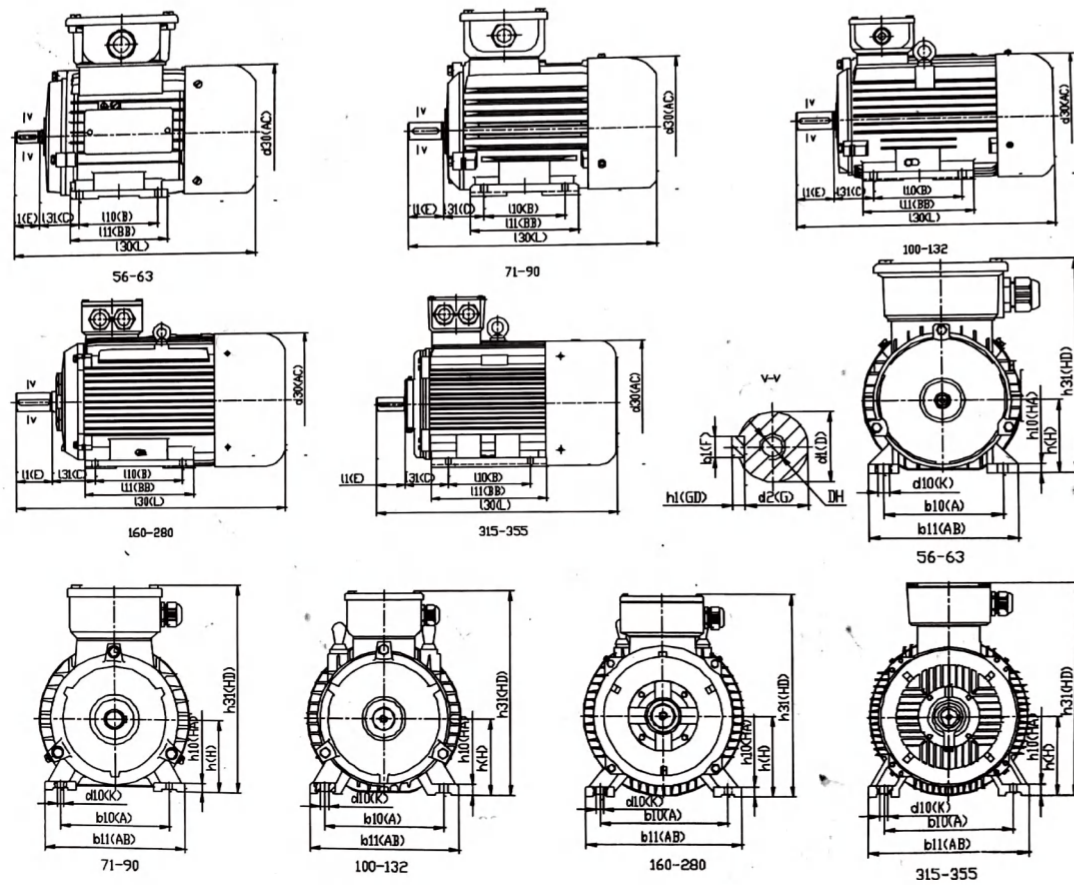
Тип	Выходная мощность, кВт		Частота вращения вала двигателя об/мин	Номинальный ток, А			КПД%	Коэффициент мощности	Мпуск/Мном Ts	Ммакс/Мном Tmax/Tn	Iпуск/Iном Is	Динамический момент инерции ротора kgm <sup>2</sup>	Уровень шума, дБ(А)	Масса кг
	KW	HP		220V	380V	660V								
71B8	0.25	0.37	645	1.99	1.15	0.66	54	0.61	1.8	1.9	4	0.003	43	10.5
80A8	0.37	0.5	670	2.57	1.49	0.86	62	0.61	1.8	1.9	4.3	0.0053	45	17
80B8	0.55	0.75	670	3.76	2.17	1.25	63	0.61	1.8	2	4	0.0066	45	19
90LA8	0.75	1	685	4.02	2.33	1.34	72	0.68	1.8	2	4	0.0094	50	25
90LB8	1.1	1.5	690	5.9	3.41	1.97	72	0.68	1.8	2	4	0.01	50	28
100L8	1.5	2	700	7.5	4.34	2.5	75	0.7	1.8	2	5	0.025	53	39
112MA8	2.2	3	700	10.4	6.04	3.48	78	0.71	0.8	2	4	0.031	55	47
112MB8	3	4	700	14	8.13	4.68	79	0.71	1.8	2	4	0.037	55	53
132S8	4	5.5	720	18.3	10.6	6.1	82	0.7	2	2	6	0.052	59	81
132M8	5.5	7.5	720	24.2	14	8.05	83	0.72	2	2	6	0.074	59	92
160S8	7.5	10	720	30.7	17.8	10.2	85.5	0.75	2	2	6	0.1	62	138
160M8	11	15	720	43.9	25.4	14.6	86.5	0.76	2	2	5.5	0.16	62	150
180M8	15	20	725	59.5	34.5	19.8	87	0.76	2	2	6.5	0.28	65	205
200M8	18.5	25	730	71.8	41.6	23.9	89	0.76	1.8	2	6.6	0.42	65	248
200L8	22	30	730	85.4	49.4	28.5	89	0.76	2	2.3	6.6	0.45	65	262
225M8	30	40	730	112	65	37.5	91	0.77	1.9	2	6.6	0.69	68	335
250S8	37	50	735	142	82.4	47.4	91	0.75	1.8	2	6.5	1.21	69	490
250M8	45	60	735	171	99.1	57.1	92	0.75	1.9	2	7	1.42	69	535
280S8	55	75	740	209	121	69.7	92	0.75	1.8	2	6.6	3.28	70	615
280M8	75	100	740	266	154	88.7	92.5	0.8	1.8	2	6.6	4.02	70	695
315S8	90	125	735	307	178	102	93.8	0.82	1.8	2	6.6	6.37	73	1055
315M8	110	150	735	375	217	125	94	0.82	1.8	2	6.4	7.23	73	1118
355S8	132	180	740	451	261	150	93.7	0.82	1.8	2	6.4	7.9	75	2000
355M8	160	220	740	544	315	181	94.2	0.82	1.8	2	6.4	10.3	80	2150
355MB8	200	270	740	669	387	223	94.5	0.83	1.8	2	6.4	12.3	83	2250

### Технические параметры

Синхронная скорость вращения 600 об/мин, 10 полюса, 50 Гц

Тип	Выходная мощность, кВт		Частота вращения вала двигателя об/мин	Номинальный ток, А			КПД%	Коэффициент мощности	Мпуск/Мном Ts	Ммакс/Мном Tmax/Tn	Iпуск/Iном Is	Динамический момент инерции ротора kgm <sup>2</sup>	Уровень шума, дБ(А)	Масса кг
	KW	HP		220V	380V	660V								
250S10	22	30	585	95.9	55.5	32	86	0.7	1.6	2	6	1.21	68	495
250M10	30	40	585	127	73.6	42.4	88.5	0.7	1.6	2	6	1.35	58	535
280S10	37	50	590	156	90.2	52	89	0.7	1.6	2	6	3.14	70	618
280M10	45	60	590	180	104	60.1	91	0.72	1.6	2	6	4.07	70	700
315S10	55	75	590	209	121	69.7	92	0.75	1.5	2	6.2	6.05	78	928
315M10	75	100	590	280	162	93.3	92.5	0.76	1.5	2	6.2	6.98	78	1080
355S10	90	125	590	330	191	110	93	0.77	1.5	2	6.2	7.21	82	1200
355MA10	110	150	590	397	230	132	93.2	0.78	1.3	2	6	13.8	72	1800
355MB10	132	180	590	475	275	158	93.5	0.78	1.3	2	6	15	88	2500
355M10	160	220	590	576	333	192	93.5	0.78	1.3	2	6	16.64	88	2500

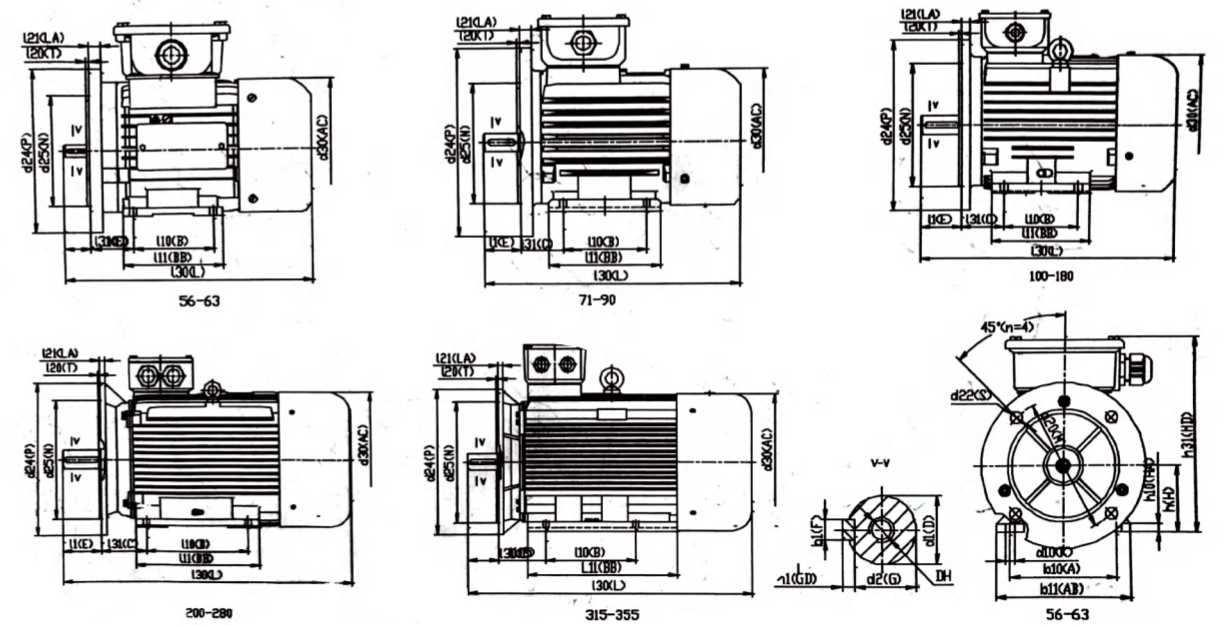
## Монтажные размеры и габариты АИР 56-355-В3

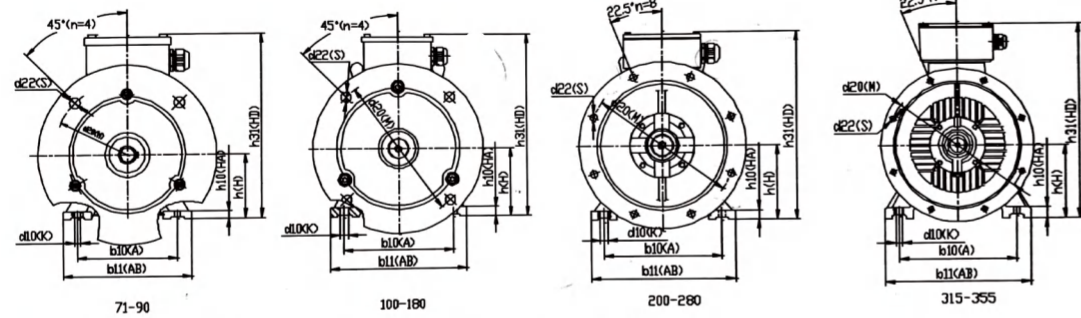


Размер	Количество полюсов	Габаритные размеры			Присоединительные размеры													
		I30	h31	d30	b10	b11	I10	I11	I31	D1	DH	I1	b1	d2	h1	h	h10	d10
		L	HD	AC	A	AB	B	BB	C	D		E	F	G	GD	H	HA	K
56	2, 4	216	165	120	90	113	71	88	36	11	M4×12	23	4	8.5	4	56	7	5.8×8.3
63	2, 4, 6	250	179	136	100	124	80	98	40	14	M5×12	30	5	11	5	63	8	5.8×8.3
71	2, 4, 6, 8	276	207	155	112	144	90	120	45	19	M6×16	40	6	15.5	6	71	8	7
80A	2, 4, 6, 8	314	233	176	125	160	100	130	50	22	M6×16	50	6	18.5	6	80	10	10
80B	2, 4, 6, 8	339	233	176	125	160	100	130	50	22	M6×16	50	6	18.5	6	80	10	10
90L	2, 4, 6, 8	372	250	184	140	176	125	155	56	24	M8×19	50	8	20	7	90	12	10
100S	2, 4, 6, 8	381	270	206	160	200	112	148	63	28	M10×22	60	8	24	7	100	14	12
100L	2, 4, 6, 8	409	270	206	160	200	140	176	63	28	M10×22	60	8	24	7	100	14	12
112M	2, 4, 6, 8	453	308	240	190	226	140	180	70	32	M10×22	80	10	27	8	112	15	12
132S	4, 6, 8	488	348	283	216	268	140	200	89	38	M12×28	80	10	33	8	132	18	12
132M	2, 4, 6, 8	528	348	283	216	268	178	238	89	38	M12×28	80	10	33	8	132	18	12
160S	2	629	413	314	254	320	178	236	108	42	M16×36	110	12	37	8	160	20	15
	4, 6, 8	629	413	314	254	320	178	236	108	48	M16×36	110	14	42.5	9	160	20	15
160M	2	673	413	314	254	320	210	268	108	42	M16×36	110	12	37	8	160	20	15
	4, 6, 8	673	413	314	254	320	210	268	108	48	M16×36	110	14	42.5	9	160	20	15

Размер	Количество полюсов	Габаритные размеры			Присоединительные размеры													
		I30	h31	d30	b10	b11	I10	I11	I31	D1	DH	I1	b1	d2	h1	h	h10	d10
		L	HD	AC	A	AB	B	BB	C	D		E	F	G	GD	H	HA	K
180S	2	699	448	355	279	349	203	249	121	48	M16×36	110	14	42.5	9	180	22	15
	4	699	448	355	279	349	203	249	121	55	M20×42	110	16	49	10	180	22	15
180M	2	764	448	355	279	349	241	287	121	48	M16×36	110	14	42.5	9	180	22	15
	4, 6, 8	764	448	355	279	349	241	287	121	55	M20×42	110	16	49	10	180	22	15
200M	2	822	506	397	318	388	267	331	133	55	M20×42	110	16	49	10	200	25	19
	4, 6, 8	852	506	397	318	388	267	331	133	60	M20×42	140	18	53	11	200	25	19
200L	2	857	506	397	318	388	305	369	133	55	M20×42	110	16	49	10	200	25	19
	4, 6, 8	887	506	397	318	388	305	369	133	60	M20×42	140	18	53	11	200	25	19
225M	2	859	554	445	356	431	311	393	149	55	M20×42	110	16	49	10	225	28	19
	4, 6, 8	889	554	445	356	431	311	393	149	65	M20×42	140	18	58	11	225	28	19
250S	2	979	616	485	406	484	311	421	168	65	M20×42	140	18	58	11	250	30	24
	4, 6, 8, 10	979	616	485	406	484	311	421	168	75	M20×42	140	20	67.5	12	250	30	24
250M	2	1029	616	485	406	484	349	459	168	65	M20×42	140	18	58	11	250	30	24
	4, 6, 8, 10	1029	616	485	406	484	349	459	168	75	M20×42	140	20	67.5	12	280	30	24
280S	2	1113	675	547	457	542	368	478	190	70	M20×42	140	20	62.5	12	280	38	24
	4, 6, 8, 10	1143	675	547	457	542	368	478	190	80	M20×42	170	22	71	14	280	38	24
280M	2	1164	675	547	457	542	419	529	190	70	M20×42	140	20	62.5	12	280	38	24
	4, 6, 8, 10	1194	675	547	457	542	419	529	190	80	M20×42	140	22	71	14	280	38	24
315S	2	1263	842	617	508	628	406	680	216	75	M20×42	140	20	67.5	14	315	45	28
	4, 6, 8, 10	1330	842	617	508	628	406	680	216	90	M20×42	170	25	81	14	315	45	28
315M	2	1263	842	617	508	628	457	680	216	75	M20×42	140	20	67.5	14	315	45	28
	4, 6, 8, 10	1330	842	617	508	628	457	750	216	90	M20×42	170	25	81	14	355	45	28
355S	2	1516	997	698	610	726	500	750	254	85	M20×42	170	22	76	14	355	52	28
	4, 6, 8, 10	1556	997	698	610	726	500	750	254	100	M24×50	210	28	90	16	355	52	28
355M	2	1516	997	698	610	726	560	750	254	85	M20×42	170	22	76	14	355	52	28
	4, 6, 8, 10	1556	997	698	610	726	560	750	254	100	M24×50	210	28	90	16	355	52	28

## Монтажные размеры и габариты АИР 56-355-В35

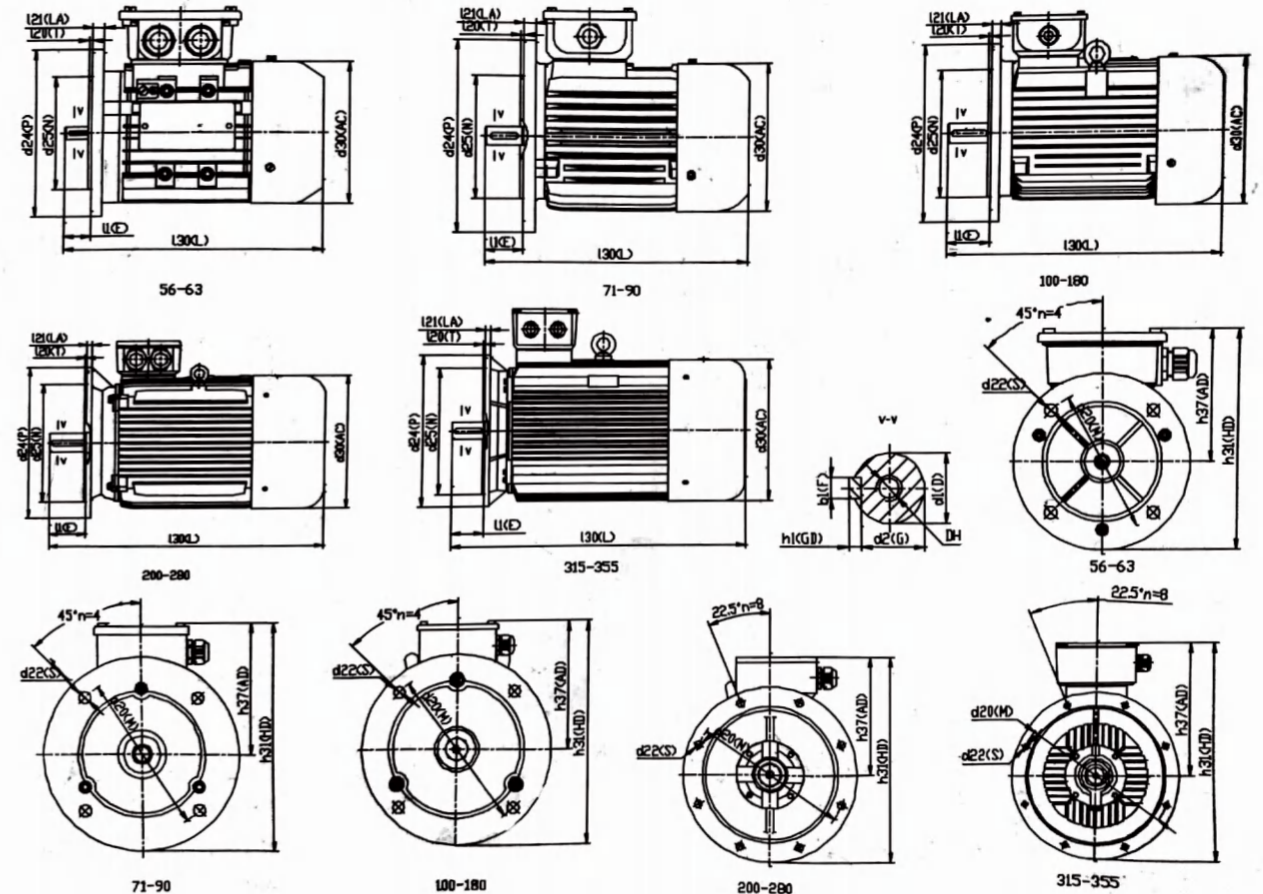




139 (R) is the distance from the flange mounting-plane to the shaft-extension shoulder.

Размер	Количество полюсов	Габаритные размеры		Присоединительные размеры																					
		I30	h31	d30	d24	b10	b11	I10	I11	I31	D1	d1	d2	h1	h	h10	d10	I20	I21	d20	d25	I20	d22	n	
		L	HD	AC	p	A	AB	B	BB	C	D	DH	E	F	G	GD	H	HA	K	LA	M	N	T	S	n
56	2, 4	216	165	120	140	90	113	71	88	36	11	M4x12	23	4	8.5	4	56	7	5.8x8.3	10	115	95	3	10	4
63	2, 4, 6	250	179	136	160	100	124	80	98	40	14	M5x12	30	5	11	5	63	8	5.8x8.5	10	130	110	3.5	10	4
71	2, 4, 6, 8	276	207	155	200	112	144	90	120	45	19	M6x16	40	6	15.5	6	71	8	7	12	165	130	3.5	12	4
80A	2, 4, 6, 8	314	233	176	200	125	160	100	130	50	22	M6x16	50	6	18.5	6	80	10	10	12	165	130	3.5	12	4
80B	2, 4, 6, 8	339	233	176	200	125	160	100	130	50	22	M6x16	50	6	18.5	6	80	10	10	12	165	130	3.5	12	4
90L	2, 4, 6, 8	372	250	184	250	140	176	125	155	56	24	M8x19	50	8	20	7	90	12	10	14	215	180	4	15	4
100S	2, 4, 6, 8	381	270	206	250	160	200	112	148	63	28	M10x22	60	8	24	7	100	14	12	13	215	180	4	15	4
100L	2, 4, 6, 8	409	270	206	250	160	200	140	176	63	28	M10x22	60	8	24	7	100	14	12	13	215	180	4	15	4
112M	2, 4, 6, 8	453	308	240	300	190	226	140	180	70	32	M10x22	80	10	27	8	112	15	12	14	265	230	4	15	4
132S	4, 6, 8	488	348	283	350	216	268	140	200	89	38	M12x28	80	10	33	8	132	18	12	15	300	250	5	19	4
132M	2, 4, 6, 8	528	348	283	350	216	268	178	238	89	38	M12x28	80	10	33	8	132	18	12	15	300	250	5	19	4
160S	2	629	413	314	350	254	320	178	236	108	42	M16x36	110	12	37	8	160	20	15	16	300	250	5	19	4
160M	4, 6, 8	629	413	314	350	254	320	178	236	108	48	M16x36	110	14	42.5	9	160	20	15	16	300	250	5	19	4
180S	2	699	448	355	400	279	349	203	249	121	48	M16x36	110	14	42.5	9	180	22	15	15	350	300	5	19	4
180M	4, 6, 8	699	448	355	400	279	349	203	249	121	55	M20x42	110	16	49	10	180	22	15	15	350	300	5	19	4
200M	2	822	506	397	450	318	388	267	331	133	55	M20x42	110	16	49	10	200	25	19	17	400	350	5	19	8
200L	4, 6, 8	822	506	397	450	318	388	267	331	133	60	M20x42	140	18	53	11	200	25	19	17	400	350	5	19	8
225M	2	857	506	397	450	318	388	305	369	133	55	M20x42	110	16	49	10	225	28	19	20	500	450	5	19	8
250S	4, 6, 8, 10	979	616	485	550	406	484	311	421	168	75	M20x42	140	18	58	11	250	30	24	22	500	450	5	19	8

Размер	Количество полюсов	Габаритные размеры		Присоединительные размеры																					
		I30	h31	d30	d24	b10	b11	I10	I11	I31	D1	d1	d2	h1	h	h10	d10	I20	I21	d20	d25	I20	d22	n	
		L	HD	AC	p	A	AB	B	BB	C	D	DH	E	F	G	GD	H	HA	K	LA	M	N	T	S	n
250M	2	1029	616	485	550	406	484	349	459	168	65	M20x42	140	18	58	11	250	30	24	22	500	450	5	19	8
280S	2	1113	675	547	660	457	542	368	478	190	70	M20x42	140	20	62.5	12	280	38	24	22	600	550	6	24	8
280N	2	1164	675	547	660	457	542	419	529	190	70	M20x42	140	20	62.5	12	280	38	24	22	600	550	6	24	8
315S	2	1263	842	617	660	508	628	406	680	216	75	M20x42	140	20	67.5	14	315	45	28	22	600	550	6	24	8
315M	2	1263	842	617	660	508	628	457	680	216	75	M20x42	140	20	67.5	14	315	45	28	22	600	550	6	24	8
355S	2	1516	997	698	800	610	726	500	750	254	85	M20x42	170	22	76	14	355	52	28	25	740	680	6	24	8
355M	2	1516	997	698	800	610	726	560	750	254	85	M20x42	170	22	76	14	355	52	28	25	740	680	6	24	8

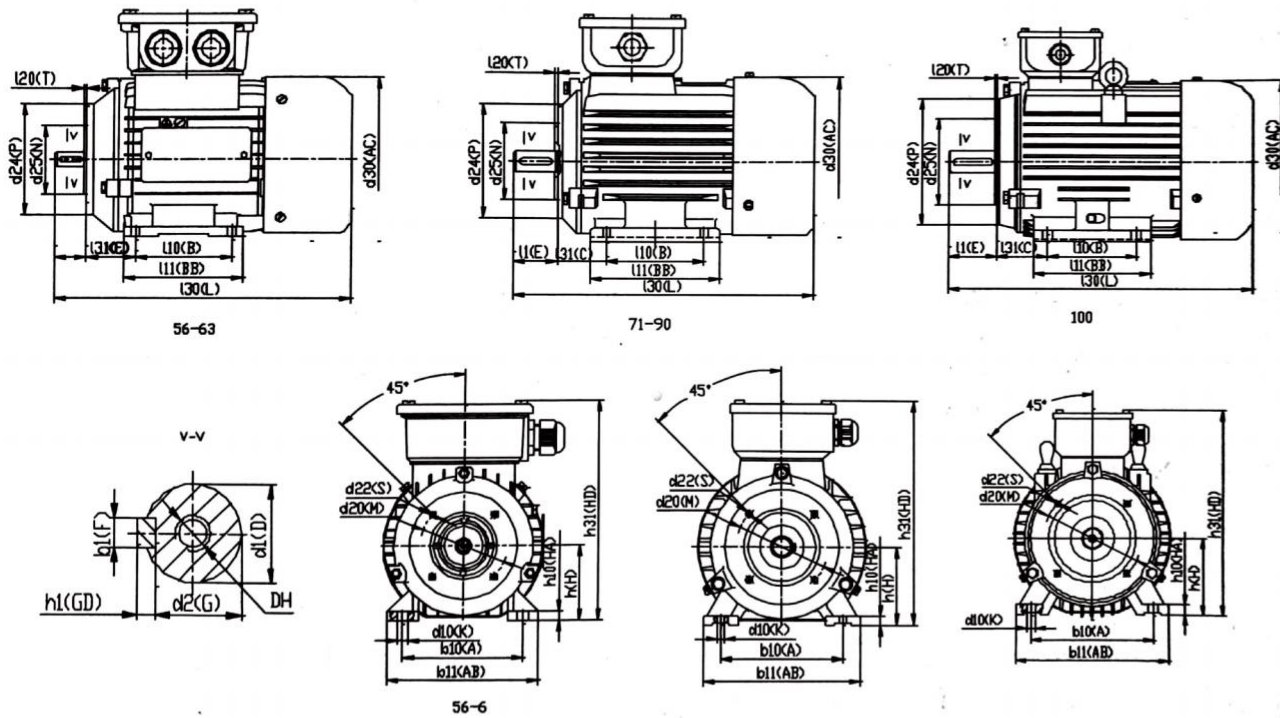


139 (R) is the distance from the flange mounting-plane to the shaft-extension shoulder.

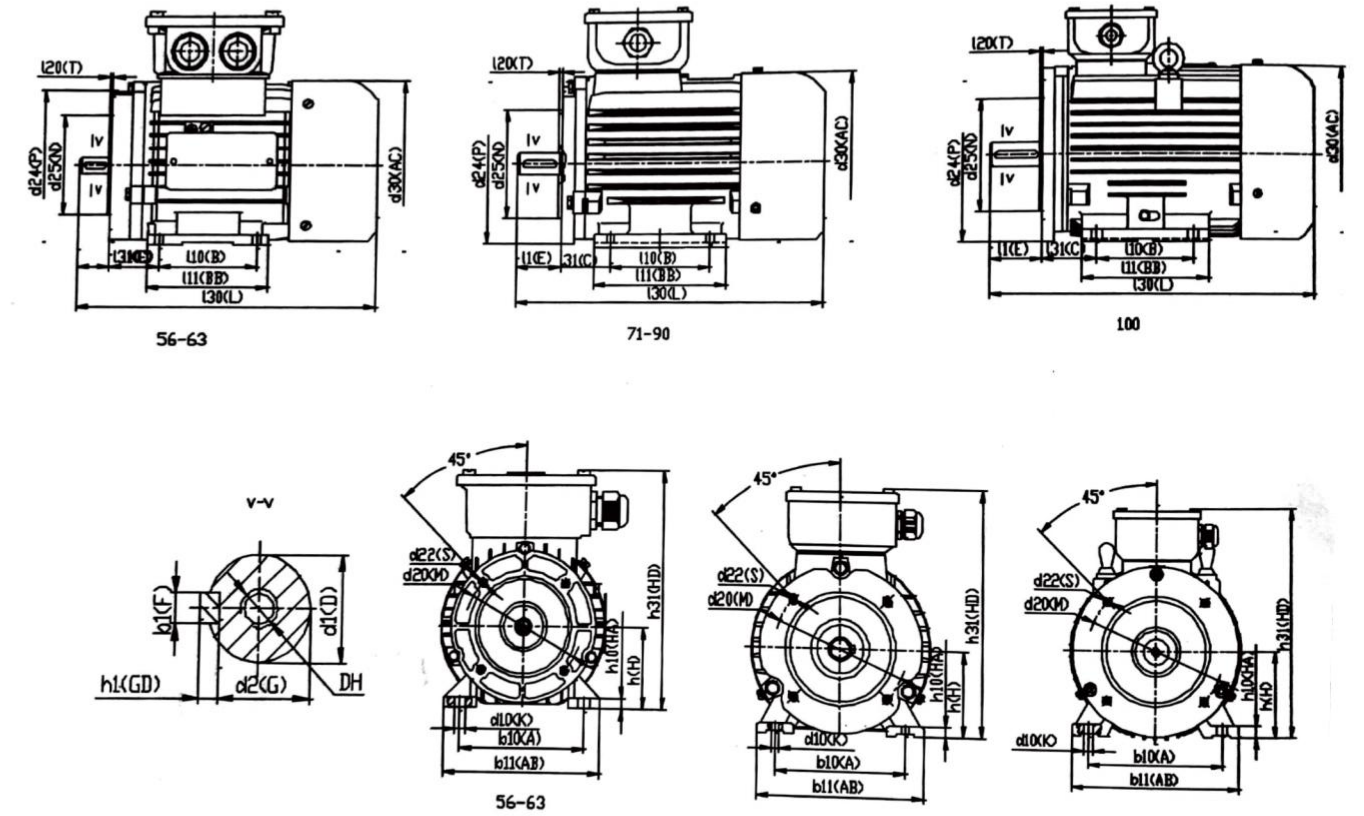


Размер	Количество полюсов	Габаритные размеры						Присоединительные размеры									
		I30	h31	d30	d24	h37	d1	I1	b1	d2	h1	d20	d25	I20	d22		
		L	HD	AC	p	AD	D	DH	E	F	G	GD	M	N	T	S	
56	2, 4	216	166	120	80	106	11	M4×12	23	4	8.5	4	85	70	2.5	M6	
63	2, 4, 6	250	181	136	90	113	14	M5×12	30	5	11	5	100	80	3	M6	
71	2, 4, 6, 8	276	213	155	105	136	19	M6×16	40	6	15.5	6	115	95	3	M8	
80A	2, 4, 6, 8	314	239	176	120	153	22	M6×16	50	6	18.5	6	130	110	3.5	M8	
80B	2, 4, 6, 8	339	239	176	120	153	22	M6×16	50	6	18.5	6	130	110	3.5	M8	
90L	2, 4, 6, 8	372	248	184	140	160	24	M8×19	50	8	20	7	130	110	3.5	M8	
100S	2, 4, 6, 8	381	274	206	160	170	28	M10×22	60	8	24	7	165	130	3.5	M10	
100L	2, 4, 6, 8	409	274	206	160	170	28	M10×22	60	8	24	7	165	130	3.5	M10	

### Монтажные размеры и габариты АИР 56-100-В34А



### Монтажные размеры и габариты АИР 56-100-В34В



Размер	Количество полюсов	Габаритные размеры										Присоединительные размеры															
		I30	h31	d30	d24	b10	b11	110	111	131	d1	I1	b1	d2	h1	h	h10	d10	d20	d25	I20	d22					
		L	HD	AC	p	AD	AB	B	BB	C	D	DH	E	F	G	GD	H	HA	K	M	N	T	S				
56	2, 4	216	165	120	80	90	113	71	88	36	11	M4×12	23	4	8.5	4	56	7	5.8×8.3	65	50	2.5	M5				
63	2, 4, 6	250	179	136	90	100	124	80	98	40	14	M5×12	30	5	11	5	63	8	5.8×8.5	75	60	2.5	M5				
71	2, 4, 6, 8	276	207	155	105	112	144	90	120	45	19	M6×16	40	6	15.5	6	71	8	7	85	70	3	M6				
80A	2, 4, 6, 8	314	233	176	120	125	160	100	130	50	22	M6×16	50	6	18.5	6	80	10	10	100	80	3	M6				
80B	2, 4, 6, 8	339	233	176	120	125	160	100	130	50	22	M6×16	50	6	18.5	6	80	10	10	100	80	3	M6				
90L	2, 4, 6, 8	372	250	184	140	140	176	125	155	56	24	M8×19	50	8	20	7	90	12	10	115	95	3	M8				
100S	2, 4, 6, 8	381	270	206	160	160	200	112	148	63	28	M10×22	60	8	24	7	100	14	12	130	110	3.5	M8				
100L	2, 4, 6, 8	409	270	206	160	160	200	140	176	63	28	M10×22	60	8	24	7	100	14	12	130	110	3.5	M8				

139 ( R ) is the distance from the flange mounting-plane to the shaft-extension shoulder.

Размер	Количество полюсов	Габаритные размеры										Присоединительные размеры															
		I30	h31	d30	d24	b10	b11	110	111	131	d1	I1	b1	d2	h1	h	h10	d10	d20	d25	I20	d22					
		L	HD	AC	p	AD	AB	B	BB	C	D	DH	E	F	G	GD	H	HA	K	M	N	T	S				
56	2, 4	216	165	120	105	90	113	71	88	36	11	M4×12	23	4	8.5	4	56	7	5.8×8.3	65	50	2.5	M6				
63	2, 4, 6	250	179	136	120	100	124	80	98	40	14	M5×12	30	5	11	5	63	8	5.8×8.5	75	60	3	M6				
71	2, 4, 6, 8	276	207	155	140	112	144	90	120	45	19	M6×16	40	6	15.5	6	71	8	7	85	95	3	M8				
80A	2, 4, 6, 8	314	233	176	160	125	160	100	130	50	22	M6×16	50	6	18.5	6	80	10	10	130	110	3.5	M8				
80B	2, 4, 6, 8	339	233	176	160	125	160	100	130	50	22	M6×16	50	6	18.5	6	80	10	10	130	110	3.5	M8				
90L	2, 4, 6, 8	372	250	184	160	140	176	125	155	56	24	M8×19	50	8	20	7	90	12	10	130	110	3.5	M8				
100S	2, 4, 6, 8	381	270	206	200	160	200	112	148	63	28	M10×22	60	8	24	7	100	14	12	165	130	3.5	M10				
100L	2, 4, 6, 8	409	270	206	200	160	200	140	176	63	28	M10×22	60	8	24	7	100	14	12	165	130	3.5	M10				