SUNVIM

孚日电机

THREE PHASE INDUCTION MOTOR

SHANDONG SUNVIM MOTOR CO., LTD.

https://www.sunvimmotor.com/

CORPORATE HEADQUARTER

MAIN INDUSTRIES OF SUNVIM HOLDING

GROUP INTRODUCTION

The Sunvim Group was founded in 1987. More than 20 years of development.Now she has become a diversified enterprise group with more than 20,000 employees and 7 billion assets, integrating traditional industries such as home textiles and new energy with high-tech industries. It is the largest home textiles company in the world and the first listed company in China's home textiles industry. The first domestic high-tech enterprise with both crystal silicon solar cells and CIS solar cell automatic production line. "Sunvim" series products have won the honorary titles of "China Famous Brand", "China Well-known Trademark", "China Famous Export Brand" and so on. The export volume of products has been the first in the industry since 1999.

SUNVIM INDUSTRIAL PARK

HOME TEXTILE INDUSTRY

ELECTRICAL MACHINERY INDUSTRY

REAL ESTATE INDUSTRY

PV INDUSTRY

We started in 1963, has more than 60 years of researching and manufacturing experience on electric motors. Transformed in 2022, a high standard and modern production base of electric motors is fast growing.Shandong Sunvim Motor Co., Ltd. is invested by Sunvim Group who has ten billions of market value. With 150 million RMB investments, it covers an area of 67,000 square meters, and with total construction area of 52,000 square meters. The company has advanced equipments of more than 400 sets, including manufacturing, testing and supporting facilities. The annual production capacity can reach 3 million kilowatts.

Now, a modern professional enterprise specializes in production, distribution, R&D and customer service of electric motors has been grown up.

And the company is sailing forward under the cultivation of Sunvim Group.

SUNVIM has been well known and being recognized by many customers of the world. Our products are exported to Germany, Italy, Greece, Spain, Belgium, Denmark, South Africa, Slovakia, Australia, Singapore, Indonesia, Malaysia, and Taiwan.

SUNVIM 孚日电机

ISO9001

CE

UKCA

SABS

CCS

UL

SUNVIM
孚日电机

PRODUCT CATALOG

IE1
SERIES THREE-PHASE INDUCTION MOTOR

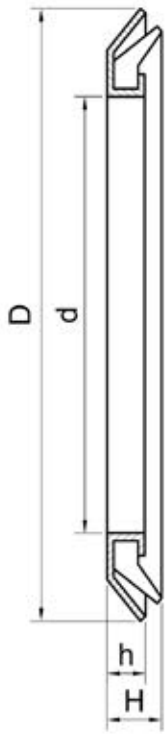
PRODUCT INTRODUCTION

SUNVIM IE1 electric motors are independently designed, and has obtained the national layout-design invention patent. The motors are designed with reliable structure, low noise and low vibration. They are widely used to drive various general equipments, like fans, pumps, machining tools, compressors and transport machineries. The motors can also work safely and stably in industry field of petroleum, chemical , steel, mining and other places where there is with heavy load and harsh operating environment. All IE1 motors are provided with premium quality cold-rolled silicon steel, protection degree IP55 and insulation grade F. The dimension and efficiency comply to international standard IEC60034, and is the preferred choice to replace Y, Y2, and Y3 series motor.

SPECIFICATION

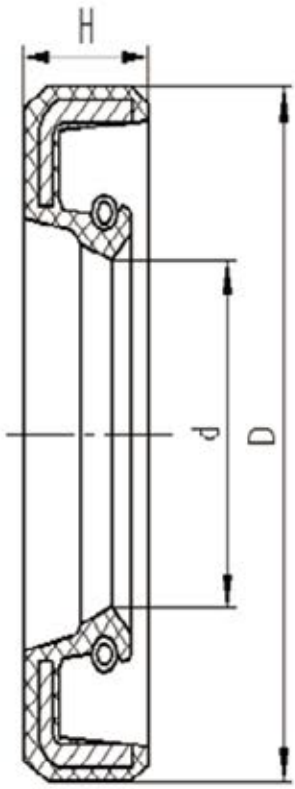
Standard: IEC60034-30-1
Frame size: H80-355mm
Rated power: 0.718kW-315kW
Degrees or energy efficiency: IE1
Voltage and frequency: 400V/ 50Hz
Degrees of protections: IP55
Degrees of insulation/Temperature rise: F/B
Installation Method: B3\ B5\B35\V1
Ambient temperature: -15℃~+40℃
Relative humidity should be less than 90%
Altitude should be lower than 1000 m above sea level
Cooling Method: IC411 、IC416、IC418、IC410

Oil Sealing



Frame	Type	d	D	h	H
80	RB20*35*4.0	Ø20	Ø35	3	6
90	RB25*40*4.0	Ø25	Ø40	3	6
100	RB30*47*4.5	Ø30	Ø47	3.5	6
112	RB30*47*4.5	Ø30	Ø47	3.5	6
132	RB40*57*4.5	Ø40	Ø57	3.5	6.5
160	RB45*62*4.5	Ø45	Ø62	3.5	6.5
180	RB55*75*5.5	Ø55	Ø75	4.5	6.5
200	RB60*80*5.5	Ø60	Ø80	4.5	6.5
225	RB65*85*5.5	Ø65	Ø85	4.5	8
250	RB70*90*5.5	Ø70	Ø90	4.5	8
280-2	RB70*90*5.5	Ø70	Ø90	4.5	8
280-4	RB85*105*5.5	Ø85	Ø105	4.5	8
315-2	RB80*100*5.5	Ø80	Ø100	4.5	8
315-4	RB95*115*5.5	Ø95	Ø115	4.5	8
355-2	RB95*115*5.5	Ø95	Ø115	4.5	8
355-4	RB110*130*5.5	Ø110	Ø130	4.5	8

Oil Sealing



Frame	Type	d	D	H
80	(F)B20X42X5	Ø20	Ø42	5
90	(F)B25X47X5	Ø25	Ø47	5
100	(F)B30X52X7	Ø30	Ø52	7
112	(F)B30X52X7	Ø30	Ø52	7
132	(F)B40X62X5	Ø40	Ø62	5
160	(F)B45X70X8	Ø45	Ø70	8
180	(F)B55X80X8	Ø55	Ø80	8
200	(F)B60X85X8	Ø60	Ø85	8
225	(F)B65X90X10	Ø65	Ø90	10
250	(F)B70X95X10	Ø70	Ø95	10
280-2	(F)B70X95X10	Ø70	Ø95	10
280-4.6.8	(F)B85X110X12	Ø85	Ø110	12
315-2	(F)B80X105X10	Ø80	Ø105	10
315-4.6.8	(F)B95X120X12	Ø95	Ø120	12
355-2	(F)B95X120X12	Ø95	Ø120	12
355-4.6.8	(F)B110X140X12	Ø110	Ø140	12
355L3-4P , L2-6P	(F)B120X150X12	Ø120	Ø150	12

2-pole, 3000 synchronous speed

Motor Type	Rated Power (kW)	Rated Speed r/min	Rated Current A	Rated Eff. η %	Power Factor cosφ	Rated Torque Nm	Ist / In	Tst / Tn	Tmax / Tn	Tmin / Tn	LW dB(A) no load	LW dB(A) load	Net Weight kg
80M1-2	0.75	2840	1.8	75.0	0.83	2.5	6.1	2.2	2.3	1.5	67	69	16
80M2-2	1.1	2840	2.6	76.2	0.84	3.7	6.9	2.2	2.3	1.5	67	69	17
90S-2	1.5	2850	3.5	78.5	0.84	5	7.0	2.2	2.3	1.5	72	74	20
90L-2	2.2	2850	4.9	81.0	0.85	7.4	7.0	2.2	2.3	1.4	72	74	25
100L-2	3	2880	6.3	82.6	0.87	10	7.5	2.2	2.3	1.4	76	78	30
112M-2	4	2880	8.2	84.2	0.88	13.3	7.5	2.2	2.3	1.4	77	79	38
132S1-2	5.5	2900	11.1	85.7	0.88	18.1	7.5	2.2	2.3	1.2	80	82	57
132S2-2	7.5	2900	14.9	87.0	0.88	24.5	7.5	2.2	2.3	1.2	80	82	60
160M1-2	11	2930	21.2	88.4	0.89	35.8	7.5	2.2	2.3	1.2	86	88	100
160M2-2	15	2930	28.6	89.4	0.89	48.8	7.5	2.2	2.3	1.2	86	88	110
160L-2	18.5	2930	34.7	90.0	0.90	60.4	7.5	2.2	2.3	1.1	86	88	125
180M-2	22	2940	41	90.5	0.90	71.4	7.5	2.0	2.3	1.1	89	91	175
200L1-2	30	2950	55.4	91.4	0.90	97.2	7.5	2.0	2.3	1.1	92	94	225
200L2-2	37	2950	67.9	92.0	0.90	120	7.5	2.0	2.3	1.1	92	94	245
225M-2	45	2970	82.1	92.5	0.90	145	7.5	2.0	2.3	1.0	92	94	280
250M-2	55	2970	99.8	93.0	0.90	177	7.5	2.0	2.3	1.0	93	95	380
280S-2	75	2970	135	93.6	0.90	241	7.0	2.0	2.3	0.9	94	96	510
280M-2	90	2970	160	93.9	0.91	290	7.1	2.0	2.3	0.9	94	96	580
315S-2	110	2980	195	94.0	0.91	353	7.1	1.8	2.2	0.9	96	98	850
315M-2	132	2980	233	94.5	0.91	423	7.1	1.8	2.2	0.9	96	98	945
315L1-2	160	2980	282	94.6	0.91	513	7.1	1.8	2.2	0.9	99	101	1020
315L2-2	200	2980	348	94.8	0.92	641	7.1	1.8	2.2	0.8	99	101	1180
355M-2	250	2980	434	95.2	0.92	802	7.1	1.6	2.2	0.8	103	105	1740
355L-2	315	2980	545	95.4	0.92	1010	7.1	1.6	2.2	0.8	103	105	1900

4-pole, 1500 synchronous speed

Motor Type	Rated Power (kW)	Rated Speed r/min	Rated Current A	Rated Eff. η %	Power Factor cosφ	Rated Torque Nm	Ist / In	Tst / Tn	Tmax / Tn	Tmin / Tn	LW dB(A) no load	LW dB(A) load	Net Weight kg
80M1-4	0.55	1390	1.6	71.0	0.75	3.8	5.2	2.4	2.3	1.7	58	63	17
80M2-4	0.75	1390	2.1	73.0	0.76	5.2	6.0	2.3	2.3	1.6	58	63	18
90S-4	1.1	1400	2.8	76.2	0.77	7.5	6.0	2.3	2.3	1.6	61	66	20
90L-4	1.5	1400	3.7	78.5	0.78	10.2	6.0	2.3	2.3	1.6	61	66	23
100L1-4	2.2	1420	5.1	81.0	0.81	14.8	7.0	2.3	2.3	1.5	64	69	30
100L2-4	3	1420	6.7	82.6	0.82	20.2	7.0	2.3	2.3	1.5	64	69	35
112M-4	4	1440	8.8	84.2	0.82	26.5	7.0	2.3	2.3	1.5	65	70	40
132S-4	5.5	1440	11.7	85.7	0.83	36.5	7.0	2.3	2.3	1.4	71	76	60
132M-4	7.5	1440	15.6	87.0	0.84	49.8	7.0	2.3	2.3	1.4	71	76	70
160M-4	11	1460	22.5	88.4	0.84	72	7.0	2.2	2.3	1.4	75	79	110
160L-4	15	1460	30	89.4	0.85	98.2	7.5	2.2	2.3	1.4	75	79	130
180M-4	18.5	1470	36.3	90.0	0.86	120	7.5	2.2	2.3	1.2	76	80	165
180L-4	22	1470	42.9	90.5	0.86	143	7.5	2.2	2.3	1.2	76	80	180
200L-4	30	1470	58	91.4	0.86	195	7.2	2.2	2.3	1.2	79	83	240
225S-4	37	1480	70.2	92.0	0.87	239	7.2	2.2	2.3	1.2	81	85	280
225M-4	45	1480	85.0	92.5	0.87	291	7.2	2.2	2.3	1.1	81	85	310
250M-4	55	1480	103	93.0	0.87	355	7.2	2.2	2.3	1.1	83	86	400
280S-4	75	1480	138	93.6	0.88	484	6.8	2.2	2.3	1.0	86	89	540
280M-4	90	1480	165	93.9	0.88	581	6.8	2.2	2.3	1.0	86	89	620
315S-4	110	1480	201	94.5	0.88	710	6.9	2.1	2.2	1.0	93	96	870
315M-4	132	1480	240	94.8	0.88	852	6.9	2.1	2.2	1.0	93	96	990
315L1-4	160	1480	288	94.9	0.89	1032	6.9	2.1	2.2	1.0	97	100	1050
315L2-4	200	1480	360	94.9	0.89	1290	6.9	2.1	2.2	0.9	97	100	1250
355M1-4	220	1490	390	95.2	0.90	1411	6.9	2.1	2.2	0.9	101	104	1650
355M2-4	250	1490	443	95.2	0.90	1603	6.9	2.1	2.2	0.9	101	104	1750
355L1-4	280	1490	497	95.2	0.90	1796	7.1	2.1	2.2	0.9	101	104	1790
355L2-4	315	1490	559	95.2	0.90	2020	7.1	2.1	2.2	0.8	101	104	1900

6-pole, 1000 synchronous speed

Motor Type	Rated Power (kW)	Rated Speed r/min	Rated Current A	Rated Eff. η %	Power Factor cosφ	Rated Torque Nm	Ist / In	Tst / Tn	Tmax / Tn	Tmin / Tn	LW dB(A) no load	LW dB(A) load	Net Weight kg
80M1-6	0.37	890	1.3	62.0	0.70	4.0	4.7	1.9	2.0	1.5	54	61	15
80M2-6	0.55	890	1.8	65.0	0.72	5.9	4.7	1.9	2.1	1.5	54	61	17
90S-6	0.75	910	2.3	69.0	0.72	7.9	4.7	2.0	2.1	1.5	57	64	20
90L-6	1.1	910	3.2	72.0	0.73	11.5	5.3	2.0	2.1	1.3	57	64	23
100L-6	1.5	920	4	76.0	0.75	15.6	5.5	2.0	2.1	1.3	61	68	30
112M-6	2.2	940	5.6	79.0	0.76	22.4	5.5	2.0	2.1	1.3	65	72	38
132S-6	3	960	7.4	81.0	0.76	29.9	6.5	2.1	2.1	1.3	69	76	55
132M1-6	4	960	9.8	82.0	0.76	39.8	6.5	2.1	2.1	1.3	69	76	63
132M2-6	5.5	960	12.9	84.0	0.77	54.7	6.5	2.1	2.1	1.3	69	76	70
160M-6	7.5	970	17.2	86.0	0.77	73.9	6.5	2.0	2.1	1.3	73	80	105
160L-6	11	970	24.5	87.5	0.78	108	6.5	2.0	2.1	1.2	73	80	120
180L-6	15	970	31.6	89.0	0.81	148	7.0	2.0	2.1	1.2	73	80	175
200L1-6	18.5	970	38.6	90.0	0.81	182	7.0	2.1	2.1	1.2	76	82	220
200L2-6	22	970	44.7	90.0	0.83	217	7.0	2.0	2.1	1.2	76	82	235
225M-6	30	980	59.3	91.5	0.84	293	7.0	2.0	2.1	1.2	76	82	300
250M-6	37	980	71.1	92.0	0.86	361	7.0	2.1	2.1	1.2	78	84	370
280S-6	45	980	85.9	92.5	0.86	439	7.0	2.1	2.0	1.1	80	85	480
280M-6	55	980	105	92.8	0.86	536	7.0	2.1	2.0	1.1	80	85	535
315S-6	75	990	142	93.5	0.86	724	6.7	2.0	2.0	1.0	85	90	790
315M-6	90	990	170	93.8	0.86	869	6.7	2.0	2.0	1.0	85	90	880
315L1-6	110	990	207	94.0	0.86	1062	6.7	2.0	2.0	1.0	85	90	997
315L2-6	132	990	245	94.2	0.87	1274	6.7	2.0	2.0	1.0	85	90	1100
355M1-6	160	990	292	94.5	0.88	1544	6.7	1.9	2.0	1.0	92	96	1400
355M2-6	200	990	365	94.5	0.88	1930	6.7	1.9	2.0	0.9	92	96	1750
355L-6	250	990	457	94.5	0.88	2413	6.7	1.9	2.0	0.9	92	96	1950

IE2
SERIES THREE-PHASE INDUCTION MOTOR

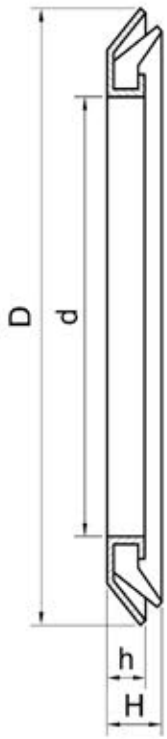
PRODUCT INTRODUCTION

SUNVIM IE2 electric motors are manufactured according to international standard IEC60034-30-1:2014, and are totally enclosed fan cooled squirrel cage motors with new material, new process and new standard. They are widely used to drive various general equipments, like fans, pumps, machining tools, compressors, and transport machineries. The motors can also work safely and stably in industry field of petroleum, chemical , steel, mining and other places where there is with heavy load and harsh operating environment. All IE2 motors are provided with protection grade IP55, insulation grade F. SUNVIM IE2 motors are with high efficiency and low temperature rise which insures a high reliability.

SPECIFICATION

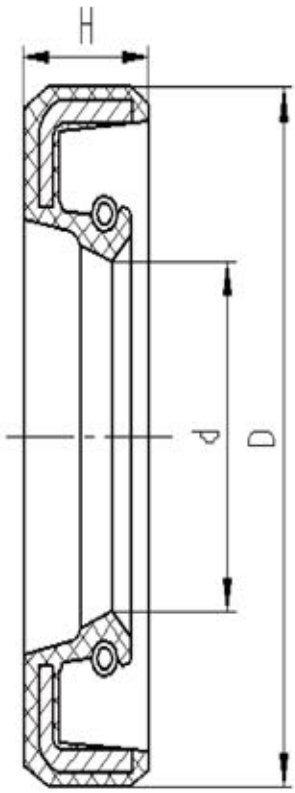
Standard: IEC60034-30-1
Frame size: H80-355mm
Rated power: 0.718kW-315kW
Degrees or energy efficiency: IE2
Voltage and frequency: 400V/ 50Hz
Degrees of protections: IP55
Degrees of insulation/Temperature rise: F/B
Installation Method: B3\ B5\B35\V1
Ambient temperature: -15℃~+40℃
Relative humidity should be less than 90%
Altitude should be lower than 1000 m above sea level
Cooling Method: IC411 、IC416、IC418、IC410

Oil Sealing



Frame	Type	d	D	h	H
80	RB20*35*4.0	Ø20	Ø35	3	6
90	RB25*40*4.0	Ø25	Ø40	3	6
100	RB30*47*4.5	Ø30	Ø47	3.5	6
112	RB30*47*4.5	Ø30	Ø47	3.5	6
132	RB40*57*4.5	Ø40	Ø57	3.5	6.5
160	RB45*62*4.5	Ø45	Ø62	3.5	6.5
180	RB55*75*5.5	Ø55	Ø75	4.5	6.5
200	RB60*80*5.5	Ø60	Ø80	4.5	6.5
225	RB65*85*5.5	Ø65	Ø85	4.5	8
250	RB70*90*5.5	Ø70	Ø90	4.5	8
280-2	RB70*90*5.5	Ø70	Ø90	4.5	8
280-4	RB85*105*5.5	Ø85	Ø105	4.5	8
315-2	RB80*100*5.5	Ø80	Ø100	4.5	8
315-4	RB95*115*5.5	Ø95	Ø115	4.5	8
355-2	RB95*115*5.5	Ø95	Ø115	4.5	8
355-4	RB110*130*5.5	Ø110-	Ø130	4.5	8

Oil Sealing



Frame	Type	d	D	H
80	(F)B20X42X5	Ø20	Ø42	5
90	(F)B25X47X5	Ø25	Ø47	5
100	(F)B30X52X7	Ø30	Ø52	7
112	(F)B30X52X7	Ø30	Ø52	7
132	(F)B40X62X5	Ø40	Ø62	5
160	(F)B45X70X8	Ø45	Ø70	8
180	(F)B55X80X8	Ø55	Ø80	8
200	(F)B60X85X8	Ø60	Ø85	8
225	(F)B65X90X10	Ø65	Ø90	10
250	(F)B70X95X10	Ø70	Ø95	10
280-2	(F)B70X95X10	Ø70	Ø95	10
280-4.6.8	(F)B85X110X12	Ø85	Ø110	12
*315-2	(F)B80X105X10	Ø80	Ø105	10
315-4.6.8	(F)B95X120X12	Ø95	Ø120	12
355-2	(F)B95X120X12	Ø95	Ø120	12
355-4.6.8	(F)B110X140X12	Ø110	Ø140	12
355L3-4P , L2-6P	(F)B120X150X12	Ø120	Ø150	12

IE2

2-pole, 3000r/min synchonous speed

Motor Type	Rated Power kW	Rated Speed r/min	Rated Current 380V A	Rated Current 400V A	Rated Current 415V A	Rated Eff. η %	Power Factor cosφ	Rated Torque Nm	Ist / In	Tst / Tn	Tmax / Tn	Tmin / Tn	LW dB(A) no load	LW dB(A) load	Net Weight kg
IE2-80M1-2	0.75	2830	1.8	1.7	1.6	77.4	0.82	2.5	6.8	2.3	2.3	1.5	62	64	18
IE2-80M2-2	1.1	2830	2.5	2.4	2.3	79.6	0.83	3.7	7.1	2.3	2.3	1.5	62	64	19
IE2-90S-2	1.5	2840	3.3	3.1	3	81.3	0.84	5	7.3	2.3	2.3	1.5	67	69	24
IE2-90L-2	2.2	2840	4.7	4.5	4.3	83.2	0.85	7.4	7.6	2.3	2.3	1.4	67	69	28
IE2-100L-2	3	2870	6.2	5.9	5.7	84.6	0.87	10	7.8	2.2	2.3	1.4	74	76	36
IE2-112M-2	4	2890	8	7.6	7.3	85.8	0.88	13.2	8.1	2.2	2.3	1.4	77	79	42
IE2-132S1-2	5.5	2900	10.9	10.4	10	87	0.88	18.1	8.2	2.2	2.3	1.2	79	81	62
IE2-132S2-2	7.5	2900	14.5	13.8	13.3	88.1	0.89	24.7	7.8	2.2	2.3	1.2	79	81	66
IE2-160M1-2	11	2930	21	20	19.2	89.4	0.89	35.9	7.9	2.2	2.3	1.2	81	83	115
IE2-160M2-2	15	2930	28.4	27	26	90.3	0.89	48.9	7.9	2.2	2.3	1.2	81	83	123
IE2-160L-2	18.5	2930	34.7	33	31.8	90.9	0.89	60.3	8	2.2	2.3	1.1	81	83	141
IE2-180M-2	22	2940	41.1	39	37.6	91.3	0.89	71.5	8.1	2.2	2.3	1.1	83	85	180
IE2-200L1-2	30	2950	55.7	52.9	51	92	0.89	97.2	7.5	2	2.3	1.1	84	86	240
IE2-200L2-2	37	2950	68.3	64.9	62.5	92.5	0.89	120	7.5	2	2.3	1.1	84	86	260
IE2-225M-2	45	2970	82.7	78.6	75.7	92.9	0.89	145	7.5	2.2	2.3	1	86	88	301
IE2-250M-2	55	2970	101	96	92.5	93.2	0.89	177	7.6	2.2	2.3	1	89	91	399
IE2-280S-2	75	2970	137	130	125	93.8	0.89	241	6.9	1.8	2.3	0.9	91	93	530
IE2-280M-2	90	2970	163	155	149	94.1	0.89	290	6.9	1.8	2.3	0.9	91	93	580
IE2-315S-2	110	2980	197	187	180	94.3	0.9	353	7	1.8	2.2	0.9	92	94	830
IE2-315M-2	132	2980	236	224	216	94.6	0.9	423	7	1.8	2.2	0.9	92	94	930
IE2-315L1-2	160	2980	282	268	258	94.8	0.91	513	7.1	1.8	2.2	0.9	92	94	980
IE2-315L-2	185	2980	326	310	298	94.8	0.91	593	7.1	1.8	2.2	0.9	92	94	1065
IE2-315L2-2	200	2980	352	334	322	95	0.91	641	7.1	1.8	2.2	0.8	92	94	1150
IE2-315M1-2	220	2980	387	367	354	95	0.91	705	7.1	1.6	2.2	0.8	92	94	1530
IE2-355M2-2	250	2980	439	417	402	95	0.91	802	7.1	1.6	2.2	0.8	100	102	1640
IE2-355L-2	280	2980	492	468	451	95	0.91	897	7.1	1.6	2.2	0.8	100	102	1780
IE2-355L1-2	315	2980	554	526	507	95	0.91	1010	7.2	1.6	2.2	0.8	100	102	1850
IE2-355L2-2	355	2980	624	593	571	95	0.91	1138	7.2	1.6	2.2	0.8	104	106	2300
IE2-355L3-2	375	2980	659	626	603	95	0.91	1202	7.2	1.6	2.2	0.7	104	106	2350

IE2

4-pole, 1500 synchronous speed

Motor Type	Rated Power kW	Rated Speed r/min	Rated Current 380V A	Rated Current 400V A	Rated Current 415V A	Rated Eff. η %	Power Factor cosφ	Rated Torque Nm	Ist / In	Tst / Tn	Tmax / Tn	Tmin / Tn	LW dB(A) no load	LW dB(A) load	Net Weight kg
IE2-802-4	0.75	1390	1.9	1.8	1.7	79.6	0.76	5.2	6.4	2.3	2.3	1.6	56	61	20
IE2-90S-4	1.1	1400	2.7	2.6	2.5	81.4	0.77	7.5	6.6	2.3	2.3	1.6	59	64	23
IE2-90L-4	1.5	1400	3.5	3.3	3.2	82.8	0.78	10.2	6.7	2.3	2.3	1.6	59	64	27
IE2-100L1-4	2.2	1430	5	4.8	4.6	84.3	0.8	14.7	7.3	2.3	2.3	1.5	64	69	36
IE2-100L2-4	3	1430	6.6	6.3	6	85.5	0.81	20	7.5	2.3	2.3	1.5	64	69	42
IE2-112M-4	4	1440	8.7	8.3	8	86.6	0.81	26.5	7.5	2.3	2.3	1.5	65	70	47
IE2-132S-4	5.5	1440	11.6	11	10.6	87.7	0.82	36.5	7.5	2	2.3	1.4	71	76	68
IE2-132M-4	7.5	1440	15.5	14.7	14.2	88.7	0.83	49.8	7.3	2	2.3	1.4	71	76	78
IE2-160M-4	11	1460	22.5	21.4	20.6	89.8	0.83	72	7.4	2	2.3	1.4	73	78	120
IE2-160L-4	15	1460	29.9	28.4	27.4	90.6	0.84	98.2	7.5	2	2.3	1.4	73	78	140
IE2-180M-4	18.5	1470	36.3	34.5	33.2	91.2	0.85	120	7.6	2	2.3	1.2	76	80	180
IE2-180L-4	22	1470	42.9	40.8	39.3	91.6	0.85	143	7.7	2.1	2.3	1.2	76	80	190
IE2-200L-4	30	1470	58.1	55.2	53.2	92.3	0.85	195	7.1	2.1	2.3	1.2	76	80	250
IE2-225S-4	37	1480	70.5	67	64.6	92.7	0.86	239	7.3	2.1	2.3	1.2	78	81	300
IE2-225M-4	45	1480	85.4	81.1	78.2	93.1	0.86	290	7.3	2.2	2.3	1.1	78	81	327
IE2-250M-4	55	1480	104	98.8	95.2	93.5	0.86	355	7.3	2.2	2.3	1.1	79	82	410
IE2-280S-4	75	1480	139	132	127	94	0.87	484	6.8	2.2	2.3	1	80	83	560
IE2-280M-4	90	1490	165	157	151	94.2	0.88	577	6.9	2.2	2.3	1	80	83	620
IE2-315S-4	110	1490	199	189	182	94.5	0.89	705	6.9	2.1	2.2	1	88	91	860
IE2-315M-4	132	1490	238	226	218	94.7	0.89	846	6.9	2.1	2.2	1	88	91	970
IE2-315L1-4	160	1490	285	271	261	94.9	0.9	1026	6.9	2.1	2.2	1	88	91	1047
IE2-315L-4	185	1490	329	313	301	94.9	0.9	1186	6.9	2.1	2.2	1	88	91	1100
IE2-315L2-4	200	1490	355	337	325	95.1	0.9	1282	6.9	2.1	2.2	0.9	88	91	1200
IE2-355M1-4	220	1490	391	371	358	95.1	0.9	1410	6.9	2	2.2	0.9	95	97	1575
IE2-355M-4	250	1490	444	422	407	95.1	0.9	1603	6.9	2	2.2	0.9	95	97	1665
IE2-355L-4	280	1490	497	472	455	95.1	0.9	1795	6.9	2	2.2	0.9	95	97	1720
IE2-355L1-4	315	1490	559	531	512	95.1	0.9	2020	6.9	2	2.2	0.8	95	97	1815
IE2-355L2-4	355	1490	637	605	583	95.1	0.89	2276	6.5	1.7	2.2	0.8	102	104	1950
IE2-355L3-4	375	1490	681	647	624	95.1	0.88	2405	6.5	1.7	2.2	0.8	102	104	2350

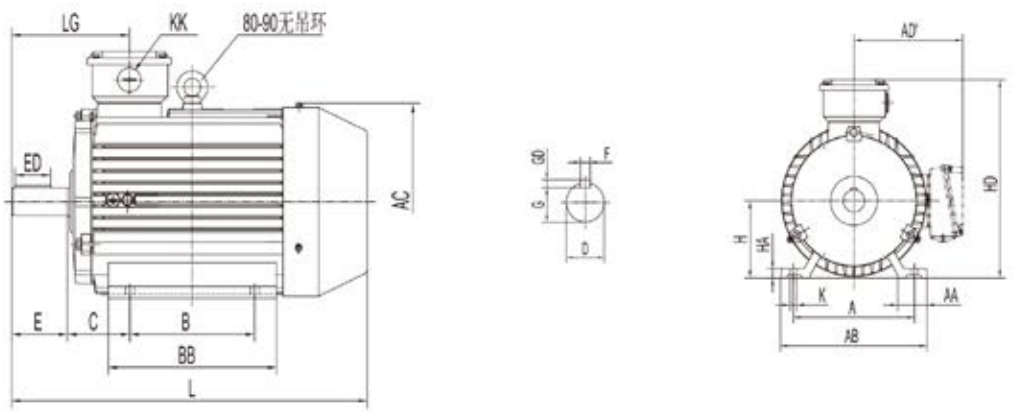
IE2

6 -pole, 1000 synchronous speed

Motor Type	Rated Power kW	Rated Speed r/min	Rated Current 380V A	Rated Current 400V A	Rated Current 415V A	Rated Eff. η %	Power Factor cosφ	Rated Torque Nm	Ist / In	Tst / Tn	Tmax / Tn	Tmin / Tn	LW dB(A) no load	LW dB(A) load	Net Weight kg
IE2-90S-6	0.75	910	2.1	2	1.9	75.9	0.71	7.9	5.8	2.0	2.1	1.5	57	64	24
IE2-90L-6	1.1	910	3.0	2.9	2.7	78.1	0.72	11.5	5.9	2.0	2.1	1.3	57	64	28
IE2-100L-6	1.5	940	4.0	3.8	3.7	79.8	0.72	15.2	5.9	2.0	2.1	1.3	61	68	36
IE2-112M-6	2.2	940	5.7	5.4	5.2	81.8	0.72	22.4	6.2	2.0	2.1	1.3	65	72	42
IE2-132S-6	3	960	7.6	7.2	7	83.3	0.72	29.9	6.4	2.0	2.1	1.3	69	76	58
IE2-132M1-6	4	960	9.7	9.2	8.9	84.6	0.74	39.8	6.6	2.0	2.1	1.3	69	76	70
IE2-132M2-6	5.5	960	13.0	12.4	11.9	86.0	0.75	54.7	6.8	2.0	2.1	1.3	69	76	74
IE2-160M-6	7.5	970	16.8	16	15.4	87.2	0.78	73.9	6.8	2.0	2.1	1.3	73	80	115
IE2-160L-6	11	970	23.9	22.7	21.9	88.7	0.79	108	6.9	2.0	2.1	1.2	73	80	131
IE2-180L-6	15	970	31.0	29.5	28.4	89.7	0.82	148	7.3	2.0	2.1	1.2	73	79	175
IE2-200L1-6	18.5	970	38.9	37	35.6	90.4	0.80	182	7.2	2.0	2.1	1.2	73	79	230
IE2-200L2-6	22	970	45.4	43.1	41.6	90.9	0.81	217	7.3	2.0	2.1	1.2	73	79	245
IE2-225M-6	30	980	60.6	57.6	55.5	91.7	0.82	292	6.8	2.0	2.1	1.2	74	80	306
IE2-250M-6	37	980	73.5	69.8	67.3	92.2	0.83	361	7.0	2.0	2.1	1.2	76	82	394
IE2-280S-6	45	980	86.8	82.5	79.5	92.7	0.85	439	7.2	2.0	2.0	1.1	78	84	511
IE2-280M-6	55	980	104	98.8	95.2	93.1	0.86	536	7.2	2.0	2.0	1.1	78	84	570
IE2-315S-6	75	990	145	138	133	93.7	0.84	724	6.5	2.0	2.0	1.0	83	88	765
IE2-315M-6	90	990	171	162	157	94.0	0.85	869	6.6	2.0	2.0	1.0	83	88	900
IE2-315L1-6	110	990	209	199	191	94.3	0.85	1062	6.6	2.0	2.0	1.0	83	88	970
IE2-315L2-6	132	990	247	235	226	94.6	0.86	1274	6.6	2.0	2.0	1.0	83	88	1050
IE2-355M1-6	160	990	298	283	273	94.8	0.86	1544	6.7	2.0	2.0	1.0	85	89	1565
IE2-355M-6	185	990	345	328	316	94.8	0.86	1785	6.7	2.0	2.0	1.0	85	89	1655
IE2-355M2-6	200	990	372	353	341	95.0	0.86	1930	6.8	2.0	2.0	0.9	85	89	1740
IE2-355L-6	220	990	409	389	375	95.0	0.86	2122	6.8	2.0	2.0	0.9	85	89	1805
IE2-355L1-6	250	990	465	442	426	95.0	0.86	2413	6.8	2.0	2.0	0.9	85	89	1921
IE2-355L-6	280	990	521	495	477	95.0	0.86	2701	6.8	2.0	2.0	0.9	85	89	2040
IE2-355L2-6	315	990	586	557	537	95.0	0.86	3040	6.8	2.0	2.0	0.8	91	95	2400

DIMENSIONS MOUNT B3

IE2-80-132



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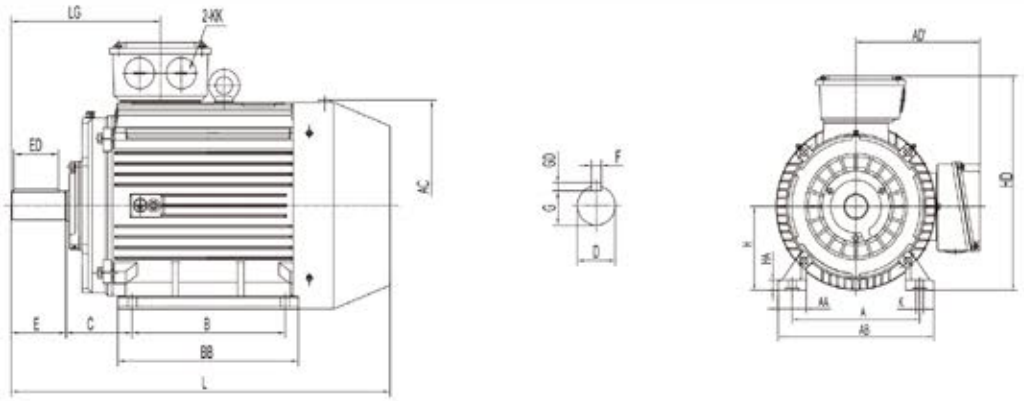

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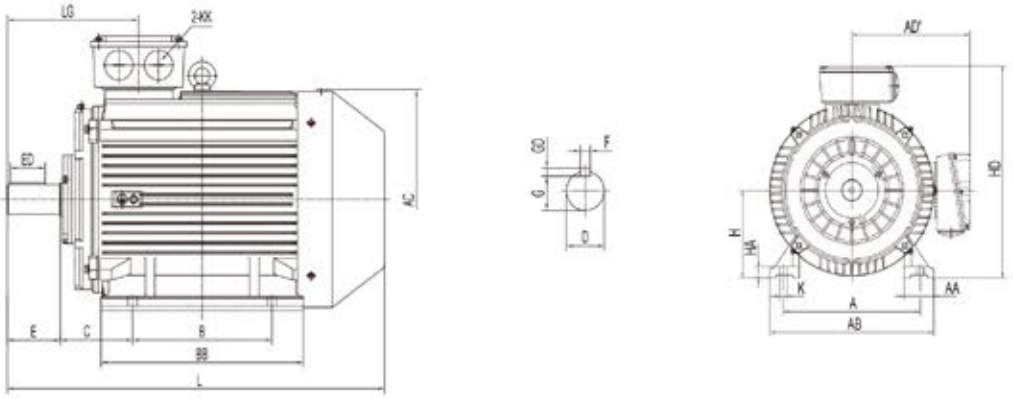

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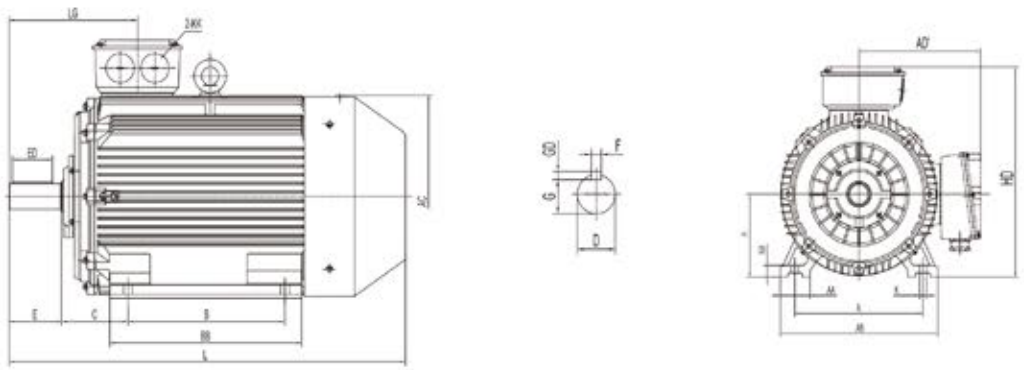


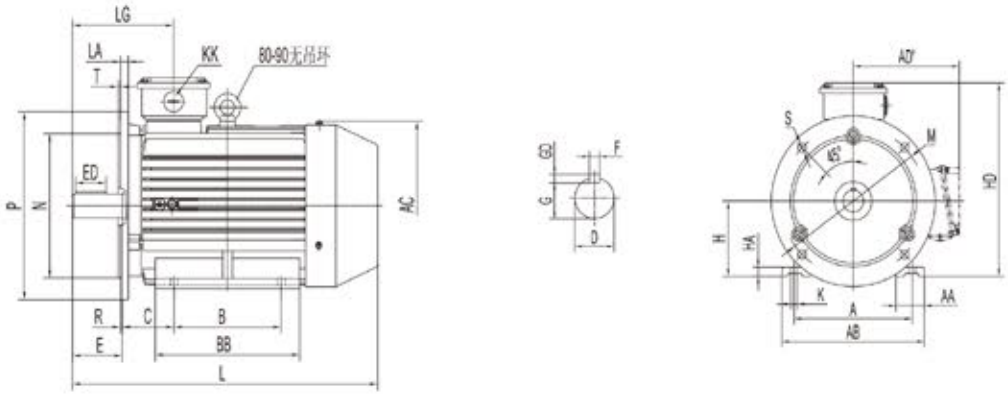
IE2

DIMENSIONS MOUNT B3

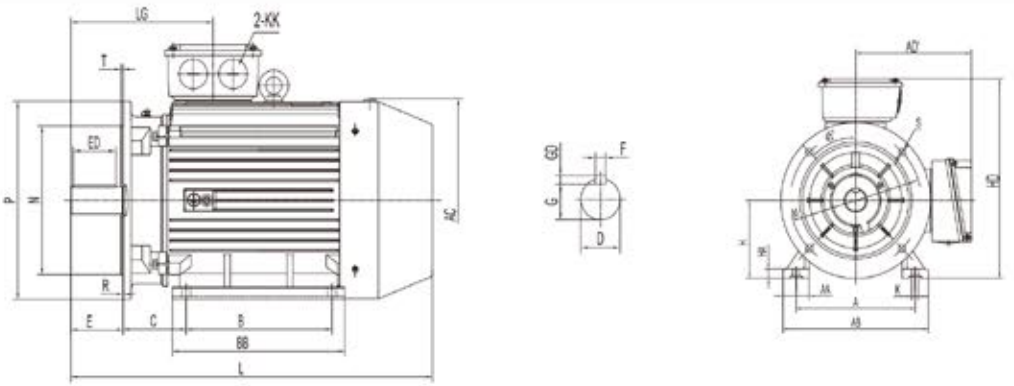
Frame	A	AA	AB	AC	AD'	B	BB	C	D	E	ED	F	G	GD	H	HA	HD	K	KK	L	LG
80	125	34	160	180	160	100	142	50	19	40	22	6	15.5	6	80	10	240	10	M25X1.5	305	112
90S	140	36	180	210	170	100	180	56	24	50	32	8	20	7	90	12.5	260	10	M25X1.5	340	132
90L	140	36	180	210	170	125	210	56	24	50	32	8	20	7	90	12.5	260	10	M25X1.5	365	132
100L	160	40	200	220	185	140	233	63	28	60	40	8	24	7	100	14	285	12	M25X1.5	403	153
112M	190	45	230	236	205	140	252	70	28	60	40	8	24	7	112	14	315	12	M32X1.5	410	144
132S	216	52	265	275	225	140	220	89	38	80	56	10	33	8	132	16	355	12	M32X1.5	485	167
132M	216	52	265	275	225	178	258	89	38	80	56	10	33	8	132	16	355	12	M32X1.5	525	167
160M	254	65	320	330	265	210	325	108	42	110	80	12	37	8	160	19	425	14.5	M40X1.5	605	268
160L	254	65	320	330	265	254	325	108	42	110	80	12	37	8	160	19	425	14.5	M40X1.5	665	268
180M	279	70	350	380	285	241	325	121	48	110	80	14	42.5	9	180	22	465	14.5	M40X1.5	730	277
180L	279	70	350	380	285	279	335	121	48	110	80	14	42.5	9	180	22	465	14.5	M40X1.5	730	277
200L	318	80	390	420	310	305	355	133	55	110	80	16	49	10	200	25	510	18.5	M50X1.5	790	298
225S(4-6P)	356	75	435	465	335	286	350	149	60	140	100	18	53	11	225	28	560	18.5	M50X1.5	840	338
225M(2P)	356	75	435	465	335	311	375	149	55	110	80	16	49	10	225	28	560	18.5	M50X1.5	865	338
225M(4-6P)	356	75	435	465	335	311	375	149	60	140	100	18	53	11	225	28	560	18.5	M50X1.5	865	338
250M(2P)	406	100	485	520	385	349	450	168	60	140	100	18	53	11	250	33	635	24	M63X1.5	945	360
250M(4-6P)	406	100	485	520	385	349	450	168	65	140	100	18	58	11	250	33	635	24	M63X1.5	945	360
280S(2P)	457	105	550	570	415	368	490	190	65	140	100	18	58	11	280	35	695	24	M63X1.5	990	344
280S(4-6P)	457	105	550	570	415	368	490	190	75	140	100	20	67.5	12	280	35	695	24	M63X1.5	990	344
280M(2P)	457	105	550	570	415	419	540	190	65	140	100	18	58	11	280	35	695	24	M63X1.5	1045	344
280M(4-6P)	457	105	550	570	415	419	540	190	75	140	100	20	67.5	12	280	35	695	24	M63X1.5	1045	344
315S(2P)	508	125	630	650	490	406	515	216	65	140	100	18	58	11	315	45	805	28	M63X1.5	1185	417
315M(2P)	508	125	630	650	490	457	625	216	65	140	100	18	58	11	315	45	805	28	M63X1.5	1295	417
315L(2P)	508	125	630	650	490	508	625	216	65	140	100	18	58	11	315	45	805	28	M63X1.5	1295	417
315S(4-6P)	508	125	630	650	490	406	515	216	80	170	130	22	71	14	315	45	805	28	M63X1.5	1215	417
315M(4-6P)	508	125	630	650	490	457	625	216	80	170	130	22	71	14	315	45	805	28	M63X1.5	1325	417
315L(4-6P)	508	125	630	650	490	508	625	216	80	170	130	22	71	14	315	45	805	28	M63X1.5	1325	417
355M(2P)	610	125	735	735	645	560	850	254	75	140	110	20	67.5	12	355	49	1000	28	M63X1.5	1600	420
355L1(2P)	610	125	735	735	645	630	850	254	75	140	110	20	67.5	12	355	49	1000	28	M63X1.5	1600	420
355L2,3(2P)	630	135	760	800	770	800	1140	224	80	170	130	22	71	14	355	52	1000	35	M63X1.5	1870	472
355M(4-6P)	610	125	735	735	645	560	850	254	95	170	140	25	86	14	355	49	1000	28	M63X1.5	1630	450
355L1(4-6P)	610	125	735	735	645	630	850	254	95	170	140	25	86	14	355	49	1000	28	M63X1.5	1630	450
355L2,3(4-6P)	630	135	760	800	770	800	1140	224	110	210	180	28	100	16	355	52	1000	35	M63X1.5	1940	512

DIMENSIONS MOUNT B35

IE2-80-132



IE2-160-200



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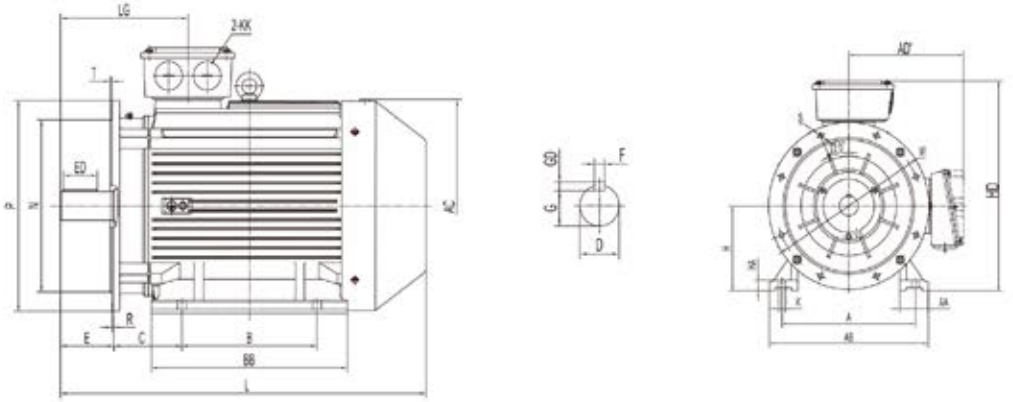

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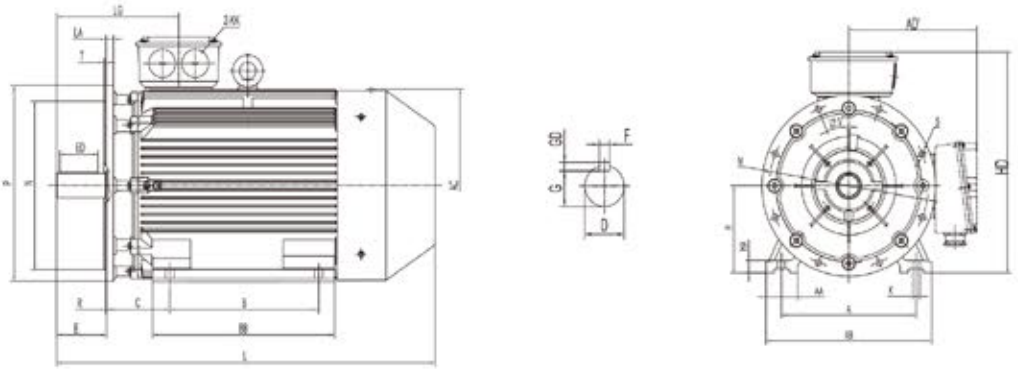


IE2

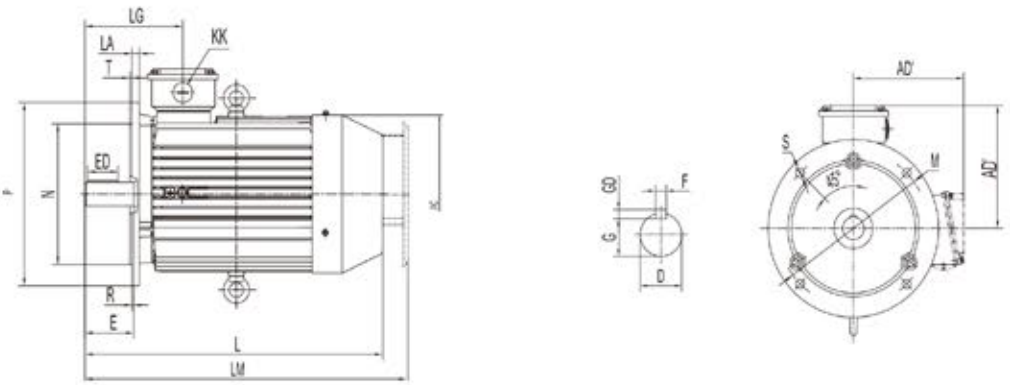
DIMENSIONS MOUNT B35

Frame	A	AA	AB	AC	AD'	B	BB	C	D	E	ED	F	G	GD	H	HA	HD	K	L	LA	LG	M	N	P	S	T	KK
80	125	34	160	180	160	100	142	50	19	40	22	6	15.5	6	80	10	240	10	305	14	112	165	130	200	12	3.5	M25X1.5
90S	140	36	180	210	170	100	180	56	24	50	32	8	20	7	90	13	260	10	340	12	132	165	130	200	12	3.5	M25X1.5
90L	140	36	180	210	170	125	210	56	24	50	32	8	20	7	90	13	260	10	365	12	132	165	130	200	12	3.5	M25X1.5
100L	160	40	200	220	185	140	233	63	28	60	40	8	24	7	100	14	285	12	403	14	153	215	180	250	14.5	4	M25X1.5
112M	190	45	230	236	205	140	252	70	28	60	40	8	24	7	112	14	315	12	410	12	144	215	180	250	14.5	4	M32X1.5
132S	216	52	265	275	225	140	220	89	38	80	56	10	33	8	132	16	355	12	485	13	167	265	230	300	14.5	4	M32X1.5
132M	216	52	265	275	225	178	258	89	38	80	56	10	33	8	132	16	355	12	525	13	167	265	230	300	14.5	4	M32X1.5
160M	254	65	320	330	265	210	325	108	42	110	80	12	37	8	160	19	425	14.5	665	15	268	300	250	350	18.5	5	M40X1.5
160L	254	65	320	330	265	254	325	108	42	110	80	12	37	8	160	19	425	14.5	665	15	268	300	250	350	18.5	5	M40X1.5
180M	279	70	350	380	285	241	335	121	48	110	80	14	42.5	9	180	22	465	14.5	730	15	277	300	250	350	18.5	5	M40X1.5
180L	279	70	350	380	285	279	335	121	48	110	80	14	42.5	9	180	22	465	14.5	730	15	277	300	250	350	18.5	5	M40X1.5
200L	318	80	390	420	310	305	355	133	55	110	80	16	49	10	200	25	510	18.5	780	17	298	350	300	400	18.5	5	M50X1.5
225S(4-6P)	356	75	435	465	335	286	350	149	60	140	100	18	53	11	225	28	560	18.5	840	19	338	400	350	450	18.5	5	M50X1.5
225M(2P)	356	75	435	465	335	311	375	149	55	110	80	16	49	10	225	28	560	18.5	865	19	338	400	350	450	18.5	5	M50X1.5
225M(4-6P)	356	75	435	465	335	311	375	149	60	140	100	18	53	11	225	28	560	18.5	865	19	338	400	350	450	18.5	5	M50X1.5
250M(2P)	406	100	485	520	385	349	450	168	60	140	100	18	53	11	250	33	635	24	945	20	360	500	450	550	18.5	5	M63X1.5
250M(4-6P)	406	100	485	520	385	349	450	168	65	140	100	18	58	11	250	33	635	24	945	20	360	500	450	550	18.5	5	M63X1.5
280S(2P)	457	105	550	570	415	368	490	190	65	140	100	18	58	11	280	35	695	24	990	22	344	500	450	550	18.5	5	M63X1.5
280S(4-6P)	457	105	550	570	415	368	490	190	75	140	100	20	67.5	12	280	35	695	24	990	22	344	500	450	550	18.5	5	M63X1.5
280M(2P)	457	105	550	570	415	419	540	190	65	140	100	18	58	11	280	35	695	24	1045	22	344	500	450	550	18.5	5	M63X1.5
280M(4-6P)	457	105	550	570	415	419	540	190	75	140	100	20	67.5	12	280	35	695	24	1045	22	344	500	450	550	18.5	5	M63X1.5
315S(2P)	508	125	630	650	490	406	515	216	65	140	100	18	58	11	315	45	805	28	1185	24	417	600	550	660	24	6	M63X1.5
315M(2P)	508	125	630	650	490	457	625	216	65	140	100	18	58	11	315	45	805	28	1295	24	417	600	550	660	24	6	M63X1.5
315L(2P)	508	125	630	650	490	508	625	216	65	140	100	18	58	11	315	45	805	28	1295	24	417	600	550	660	24	6	M63X1.5
315S(4-6P)	508	125	630	650	490	406	515	216	80	170	130	22	71	14	315	45	805	28	1215	24	417	600	550	660	24	6	M63X1.5
315M(4-6P)	508	125	630	650	490	457	625	216	80	170	130	22	71	14	315	45	805	28	1325	24	417	600	550	660	24	6	M63X1.5
315L(4-6P)	508	125	630	650	490	508	625	216	80	170	130	22	71	14	315	45	805	28	1325	24	417	600	550	660	24	6	M63X1.5
355M(2P)	610	125	735	735	645	560	850	254	75	140	110	20	67.5	12	355	49	1000	28	1600	25	420	740	680	800	24	6	M63X1.5
355L1(2P)	610	125	735	735	645	630	850	254	75	140	110	20	67.5	12	355	49	1000	28	1600	25	420	740	680	800	24	6	M63X1.5
355L1(2P)	630	135	760	800	770	800	1140	224	80	170	130	22	71	14	355	52	1000	35	1870	25	472	840	780	900	24	6	M63X1.5
355M(4-6P)	610	125	735	735	645	560	850	254	95	170	140	25	86	14	355	49	1000	28	1630	25	450	740	680	800	24	6	M63X1.5
355L1(4-6P)	610	125	735	735	645	630	850	254	95	170	140	25	86	14	355	49	1000	28	1630	25	450	740	680	800	24	6	M63X1.5
355L2,3(4-6P)	630	135	760	800	770	800	1140	224	110	210	180	28	100	16	355	50	1000	35	1945	25	512	840	780	900	24	6	M63X1.5

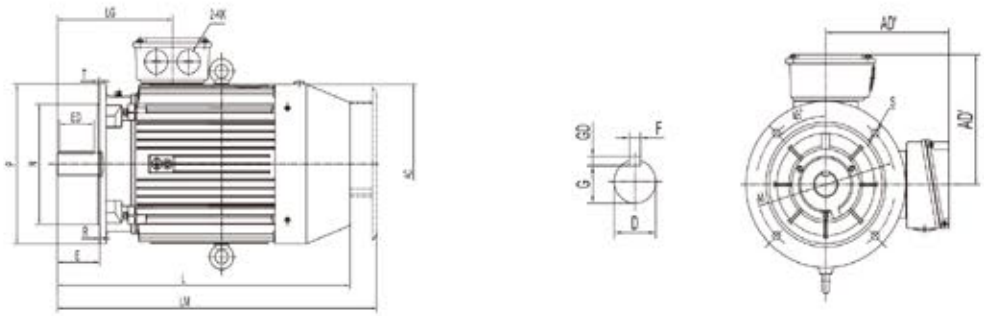
Note : R=0

DIMENSIONS MOUNT B5 & V1

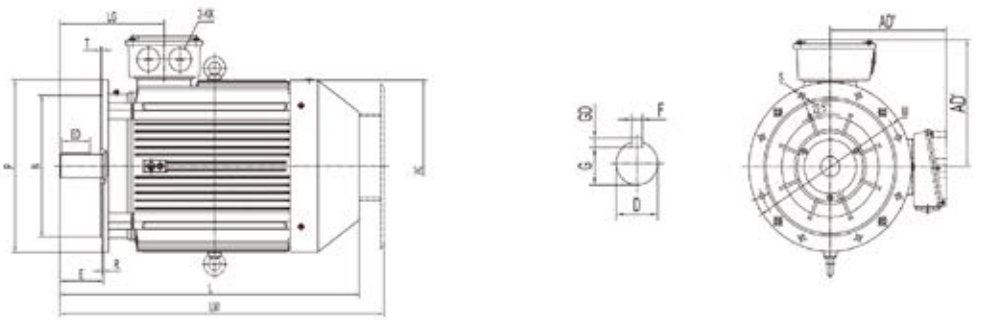
IE2-80-132



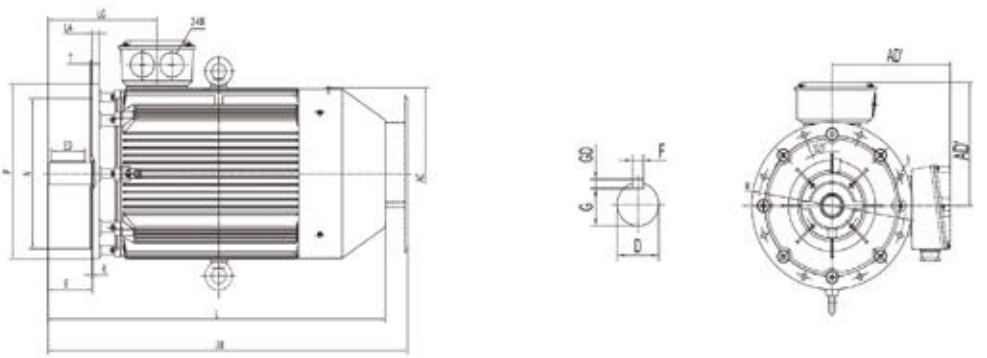
IE2-160-200



IE2-225-280



IE2-315-355



IE2

DIMENSIONS MOUNT B5 & V1

Frame	AC	AD'	D	E	ED	F	G	GD	L	LA	LG	LM	M	N	P	S	T	KK
80	180	160	19	40	22	6	15.5	6	305	14	112	345	165	130	200	12	3.5	M25X1.5
90S	210	170	24	50	32	8	20	7	340	12	132	380	165	130	200	12	3.5	M25X1.5
90L	210	170	24	50	32	8	20	7	365	12	132	405	165	130	200	12	3.5	M25X1.5
100L	220	185	28	60	40	8	24	7	403	14	153	450	215	180	250	14.5	4	M25X1.5
112M	240	205	28	60	40	8	24	7	410	12	144	460	215	180	250	14.5	4	M32X1.5
132S	275	225	38	80	56	10	33	8	485	13	167	535	265	230	300	14.5	4	M32X1.5
132M	275	225	38	80	56	10	33	8	525	13	167	575	265	230	300	14.5	4	M32X1.5
160M	330	265	42	110	80	12	37	8	665	15	268	720	300	250	350	18.5	5	M40X1.5
160L	330	265	42	110	80	12	37	8	665	15	268	720	300	250	350	18.5	5	M40X1.5
180M	380	285	48	110	80	14	42.5	9	730	15	277	785	300	250	350	18.5	5	M40X1.5
180L	380	285	48	110	80	14	42.5	9	730	15	277	785	300	250	350	18.5	5	M40X1.5
200L	420	310	55	110	90	16	49	10	790	17	298	860	350	300	400	18.5	5	M50X1.5
225S(4-6P)	465	335	60	140	100	18	53	11	840	19	338	910	400	350	450	18.5	5	M50X1.5
225M(2P)	465	335	55	110	80	16	49	10	865	19	338	935	400	350	450	18.5	5	M50X1.5
225M(4-6P)	465	335	60	140	100	18	53	11	865	19	338	935	400	350	450	18.5	5	M50X1.5
250M(2P)	520	385	60	140	100	18	53	11	945	20	360	1025	500	450	550	18.5	5	M63X1.5
250M(4-6P)	520	385	65	140	100	18	58	11	945	20	360	1025	500	450	550	18.5	5	M63X1.5
280S(2P)	570	415	65	140	100	18	58	11	990	22	344	1080	500	450	550	18.5	5	M63X1.5
280S(4-6P)	570	415	75	140	100	20	67.5	12	990	22	344	1080	500	450	550	18.5	5	M63X1.5
280M(2P)	570	415	65	140	100	18	58	11	1045	22	344	1125	500	450	550	18.5	5	M63X1.5
280M(4-6P)	570	415	75	140	100	20	67.5	12	1045	22	344	1125	500	450	550	18.5	5	M63X1.5
315S(2P)	650	490	65	140	100	18	58	11	1185	24	417	1285	600	550	660	24	6	M63X1.5
315M(2P)	650	490	65	140	100	18	58	11	1295	24	417	1395	600	550	660	24	6	M63X1.5
315L(2P)	650	490	65	140	100	18	58	11	1295	24	417	1395	600	550	660	24	6	M63X1.5
315S(4-6P)	650	490	80	170	130	22	71	14	1215	24	417	1315	600	550	660	24	6	M63X1.5
315M(4-6P)	650	490	80	170	130	22	71	14	1325	24	417	1425	600	550	660	24	6	M63X1.5
315L(4-6P)	650	490	80	170	130	22	71	14	1325	24	417	1425	600	550	660	24	6	M63X1.5
355M(2P)V1	735	645	75	140	110	20	67.5	12	1600	25	420	1700	740	680	800	24	6	M63X1.5
355L1(2P)V1	735	645	75	140	110	20	67.5	12	1600	25	420	1700	740	680	800	24	6	M63X1.5
355L2,3(2P)V1	800	770	80	170	130	22	71	14	1870	25	472	1970	840	780	900	24	6	M63X1.5
355M(4-6P)V1	735	645	95	170	140	25	86	14	1630	25	450	1730	740	680	800	24	6	M63X1.5
355L1(4-6P)V1	735	645	95	170	140	25	86	14	1630	25	450	1730	740	680	800	24	6	M63X1.5
355L2,3(4-6P)V1	800	770	110	210	180	28	100	16	1940	25	512	2040	840	780	900	24	6	M63X1.5

Note : R=0

IE3
SERIES THREE-PHASE INDUCTION MOTOR

PRODUCT INTRODUCTION

SUNVIM IE3 electric motors are manufactured according to international standard IEC60034-30-1:2014. All IE3 motors are provided with premium quality cold-rolled silicon steel, low harmonics winding, VPI vacuum pressure impregnation and high precision CNC machining process. The motors are widely mounted on various general equipments and are the preferred choice for driving power. SUNVIM IE3 motors have the advantage of high efficiency, low temperature rise, low noise, good reliability and long service time. The motors can be provided with protection grade IP55, IP56, IP65, IP66 and insulation grade F, H, and have registered in national energy label system.

SPECIFICATION

Standard: IEC60034-30-1
Frame size: H80-355mm
Rated power: 0.718kW-375kW
Degrees or energy efficiency: IE3
Voltage and frequency: 400V/ 50Hz
Degrees of protections: IP55
Degrees of insulation/Temperature rise: F/B
Installation Method: B3\ B5\B35\V1
Ambient temperature: -15℃~+40℃
Relative humidity should be less than 90%
Altitude should be lower than 1000 m above sea level
Cooling Method: IC411 、IC416、IC418、IC410

2-pole, 3000r/min synchonous speed

Motor Type	Rated Power kW	Rated Speed r/min	Rated Current 380V A	Rated Current 400V A	Rated Current 415V A	Rated Eff. η%	Power Factor cosφ	Rated Torque Nm	Ist / In	Tst / Tn	Tmax / Tn	M of 1 kgm2	LW dB(A) no load	LW dB(A) load	Net Weight Kg
IE3-80M1-2	0.75	2910	1.7	1.6	1.6	80.7	0.82	2.5	7.0	2.3	2.3	0.001	62	64	20
IE3-80M2-2	1.1	2910	2.4	2.3	2.2	82.7	0.83	3.6	7.3	2.2	2.3	0.002	62	64	22
IE3-90S-2	1.5	2910	3.2	3.1	3	84.2	0.84	4.9	7.6	2.2	2.3	0.002	67	69	25
IE3-90L-2	2.2	2910	4.6	4.3	4.2	85.9	0.85	7.2	7.6	2.2	2.3	0.003	67	69	32
IE3-100L-2	3	2910	6	5.7	5.5	87.1	0.87	9.8	7.8	2.2	2.3	0.006	74	76	42
IE3-112M-2	4	2915	7.8	7.4	7.2	88.1	0.88	13.1	8.3	2.2	2.3	0.009	77	79	50
IE3-132S1-2	5.5	2920	10.6	10.1	9.7	89.2	0.88	18	8.3	2.0	2.3	0.024	79	81	70
IE3-132S2-2	7.5	2920	14.4	13.7	13.2	90.1	0.88	24.5	7.9	2.0	2.3	0.029	79	81	75
IE3-160M1-2	11	2935	20.6	19.6	18.9	91.2	0.89	35.8	8.1	2.0	2.3	0.067	81	83	132
IE3-160M2-2	15	2935	27.9	26.5	25.5	91.9	0.89	48.8	8.1	2.0	2.3	0.080	81	83	140
IE3-160L-2	18.5	2935	34.2	32.5	31.3	92.4	0.89	60.2	8.2	2.0	2.3	0.097	81	83	150
IE3-180M-2	22	2940	40.5	38.5	37.1	92.7	0.89	71.5	8.2	2.0	2.3	0.137	83	85	200
IE3-200L1-2	30	2950	54.9	52.1	50.3	93.3	0.89	97.1	7.6	2.0	2.3	0.227	84	86	260
IE3-200L2-2	37	2950	67.4	64	61.7	93.7	0.89	120	7.6	2.0	2.3	0.269	84	86	270
IE3-225M-2	45	2970	80.8	76.8	74	94.0	0.90	145	7.7	2.0	2.3	0.360	86	88	330
IE3-250M-2	55	2970	98.5	93.5	90.2	94.3	0.90	177	7.7	2.0	2.3	0.791	89	91	450
IE3-280S-2	75	2975	134	127	122	94.7	0.90	241	7.1	1.8	2.3	0.960	91	93	580
IE3-280M-2	90	2975	160	152	146	95.0	0.90	289	7.1	1.8	2.3	1.157	91	93	630
IE3-315S-2	110	2980	195	185	179	95.2	0.90	353	7.1	1.8	2.3	1.662	92	94	935
IE3-315M-2	132	2980	234	222	214	95.4	0.90	423	7.1	1.8	2.3	1.874	92	94	1032
IE3-315L1-2	160	2980	279	265	256	95.6	0.91	513	7.2	1.8	2.3	2.146	92	94	1100
IE3-315L-2	185	2980	323	307	296	95.6	0.91	593	7.2	1.8	2.3	2.266	92	94	1130
IE3-315L2-2	200	2980	349	331	319	95.8	0.91	641	7.2	1.8	2.2	2.448	92	94	1160
IE3-355M1-2	220	2980	388	368	355	95.8	0.90	705	7.2	1.6	2.2	2.693	100	102	1615
IE3-355M2-2	250	2980	436	414	399	95.8	0.91	801	7.2	1.6	2.2	4.034	100	102	1658
IE3-355L-2	280	2980	488	464	447	95.8	0.91	897	7.2	1.6	2.2	4.095	100	102	1736
IE3-355L1-2	315	2980	549	522	503	95.8	0.91	1010	7.2	1.6	2.2	4.645	100	102	1822
IE3-355L2-2	355	2980	619	588	567	95.8	0.91	1138	7.2	1.6	2.2	5.242	104	106	2300
IE3-355L3-2	375	2980	654	621	598	95.8	0.91	1202	7.2	1.6	2.2	5.536	104	106	2350

4-pole, 1500r/min synchonous speed

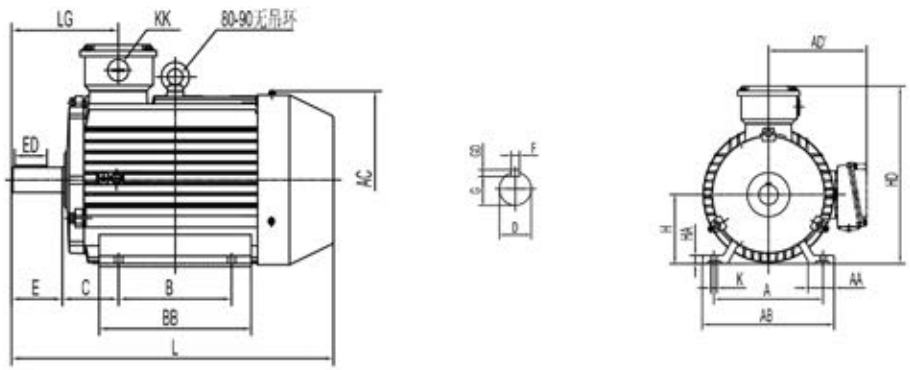
Motor Type	Rated Power kW	Rated Speed r/min	Rated Current 380V A	Rated Current 400V A	Rated Current 415V A	Rated Eff. η%	Power Factor cosφ	Rated Torque Nm	Ist / In	Tst / Tn	Tmax / Tn	Mof1 kgm2	LW dB(A) no load	LW dB(A) load	Net Weight Kg
IE3-802-4	0.75	1430	1.8	1.7	1.7	82.5	0.75	5	6.6	2.3	2.3	0.003	56	61	21
IE3-90S-4	1.1	1435	2.6	2.5	2.4	84.1	0.76	7.3	6.8	2.3	2.3	0.004	59	64	29
IE3-90L-4	1.5	1435	3.5	3.3	3.2	85.3	0.77	10	7.0	2.3	2.3	0.005	59	64	33
IE3-100L1-4	2.2	1450	4.8	4.5	4.4	86.7	0.81	14.5	7.6	2.3	2.3	0.012	64	69	40
IE3-100L2-4	3	1450	6.3	6	5.8	87.7	0.82	19.8	7.6	2.3	2.3	0.016	64	69	45
IE3-112M-4	4	1455	8.4	7.9	7.7	88.6	0.82	26.3	7.8	2.2	2.3	0.022	65	70	55
IE3-132S-4	5.5	1460	11.2	10.7	10.3	89.6	0.83	36	7.9	2.0	2.3	0.060	71	76	75
IE3-132M-4	7.5	1460	15	14.3	13.7	90.4	0.84	49.1	7.5	2.0	2.3	0.071	71	76	88
IE3-160M-4	11	1470	21.5	20.4	19.7	91.4	0.85	71.5	7.7	2.2	2.3	0.137	73	78	132
IE3-160L-4	15	1470	28.8	27.3	26.3	92.1	0.86	97.4	7.8	2.2	2.3	0.171	73	78	150
IE3-180M-4	18.5	1475	35.3	33.5	32.3	92.6	0.86	120	7.8	2.0	2.3	0.238	76	80	190
IE3-180L-4	22	1475	41.8	39.7	38.3	93.0	0.86	142	7.8	2.0	2.3	0.259	76	80	206
IE3-200L-4	30	1475	56.6	53.8	51.9	93.6	0.86	194	7.3	2.0	2.3	0.459	76	80	278
IE3-225S-4	37	1480	69.6	66.1	63.7	93.9	0.86	239	7.4	2.0	2.3	0.656	78	81	330
IE3-225M-4	45	1480	84.4	80.2	77.3	94.2	0.86	290	7.4	2.0	2.3	0.758	78	81	360
IE3-250M-4	55	1485	103	97.6	94.1	94.6	0.86	354	7.4	2.2	2.3	1.078	79	82	450
IE3-280S-4	75	1485	136	129	125	95.0	0.88	482	6.9	2.0	2.3	1.800	80	83	640
IE3-280M-4	90	1485	163	155	149	95.2	0.88	579	6.9	2.0	2.3	2.130	80	83	722
IE3-315S-4	110	1490	197	187	180	95.4	0.89	705	7.0	2.0	2.2	3.415	88	91	960
IE3-315M-4	132	1490	236	224	216	95.6	0.89	846	7.0	2.0	2.2	3.807	88	91	1050
IE3-315L1-4	160	1490	285	271	261	95.8	0.89	1026	7.1	2.0	2.2	3.423	88	91	1150
IE3-315L-4	185	1490	330	313	302	95.8	0.89	1186	7.1	2.0	2.2	4.479	88	91	1200
IE3-315L2-4	200	1490	352	334	322	96.0	0.90	1282	7.1	2.0	2.2	5.262	88	91	1250
IE3-355M1-4	220	1490	387	368	354	96.0	0.90	1410	7.1	2.0	2.2	5.449	95	97	1632
IE3-355M2-4	250	1490	440	418	403	96.0	0.90	1602	7.1	2.0	2.2	6.192	95	97	1725
IE3-355L-4	280	1490	492	468	451	96.0	0.90	1795	7.1	2.0	2.2	6.732	95	97	1792
IE3-355L1-4	315	1490	554	526	507	96.0	0.90	2019	7.1	2.0	2.2	7.273	95	97	1960
IE3-355L2-4	355	1490	638	607	585	96.0	0.88	2275	7.0	1.7	2.2	8.196	102	104	2150
IE3-355L3-4	375	1490	674	641	618	96.0	0.88	2404	7.0	1.7	2.2	8.658	102	104	2350

6-pole, 1000r/min synchonous speed

Motor Type	Rated Power kW	Rated Speed r/min	Rated Current 380V A	Rated Current 400V A	Rated Current 415V A	Rated Eff. η%	Power Factor cosφ	Rated Torque Nm	Ist / In	Tst / Tn	Tmax / Tn	M of 1 kgm2	LW dB(A) no load	LW dB(A) load	Net Weight Kg
IE3-90S-6	0.75	930	2	1.9	1.9	78.9	0.71	7.7	6.0	2.0	2.1	0.004	57	64	26
IE3-90L-6	1.1	930	2.8	2.7	2.6	81.0	0.73	11.3	6.0	2.0	2.1	0.006	57	64	30
IE3-100L-6	1.5	950	3.8	3.6	3.5	82.5	0.73	15.1	6.5	2.0	2.1	0.016	61	68	38
IE3-112M-6	2.2	960	5.4	5.1	4.9	84.3	0.74	21.9	6.6	2.0	2.1	0.039	65	72	48
IE3-132S-6	3	970	7.2	6.8	6.6	85.6	0.74	29.5	6.8	2.0	2.1	0.035	69	76	65
IE3-132M1-6	4	970	9.5	9	8.7	86.8	0.74	39.4	6.8	2.0	2.1	0.043	69	76	76
IE3-132M2-6	5.5	970	12.7	12	11.6	88.0	0.75	54.1	7.0	2.0	2.1	0.056	69	76	85
IE3-160M-6	7.5	975	16.2	15.4	14.8	89.1	0.79	73.5	7.0	2.0	2.1	0.140	73	80	130
IE3-160L-6	11	975	23.1	22	21.2	90.3	0.80	108	7.2	2.0	2.1	0.192	73	80	145
IE3-180L-6	15	985	30.9	29.3	28.2	91.2	0.81	145	7.3	2.0	2.1	0.319	73	79	195
IE3-200L1-6	18.5	980	37.8	36	34.7	91.7	0.81	180	7.3	2.0	2.1	0.446	73	79	250
IE3-200L2-6	22	980	44.8	42.5	41	92.2	0.81	214	7.4	2.0	2.1	0.557	73	79	265
IE3-225M-6	30	980	59.1	56.1	54.1	92.9	0.83	292	6.9	2.0	2.1	0.832	74	80	320
IE3-250M-6	37	980	71.7	68.1	65.7	93.3	0.84	361	7.1	2.0	2.1	1.447	76	82	420
IE3-280S-6	45	980	85.8	81.6	78.6	93.7	0.85	439	7.3	2.0	2.0	2.252	78	84	555
IE3-280M-6	55	980	103	98.1	94.6	94.1	0.86	536	7.3	2.0	2.0	2.726	78	84	630
IE3-315S-6	75	990	143	136	131	94.6	0.84	724	6.6	2.0	2.0	3.984	83	88	865
IE3-315M-6	90	990	170	161	155	94.9	0.85	868	6.7	2.0	2.0	4.500	83	88	980
IE3-315L1-6	110	990	207	196	189	95.1	0.85	1061	6.7	2.0	2.0	5.607	83	88	1100
IE3-315L2-6	132	990	244	232	224	95.4	0.86	1273	6.8	2.0	2.0	6.935	83	88	1200
IE3-355M1-6	160	990	296	281	271	95.6	0.86	1543	6.8	1.8	2.0	10.222	85	89	1650
IE3-355M-6	185	990	342	325	313	95.6	0.86	1785	6.8	1.8	2.0	10.750	85	89	1750
IE3-355M2-6	200	990	365	346	334	95.8	0.87	1929	6.8	1.8	2.0	11.031	85	89	1810
IE3-355M3-6	220	990	402	382	368	95.8	0.87	2122	6.8	1.8	2.0	11.705	85	89	1910
IE3-355L2-6	250	990	456	433	417	95.8	0.87	2412	6.8	1.8	2.0	11.897	85	89	2060
IE3-355L-6	280	990	512	486	468	95.8	0.87	2701	6.8	1.8	2.0	14.333	85	89	2110
IE3-355L3-6	315	990	581	552	532	95.8	0.86	3039	6.8	1.8	2.0	14.990	91	95	2400

DIMENSIONS MOUNT B3

IE3-80-132



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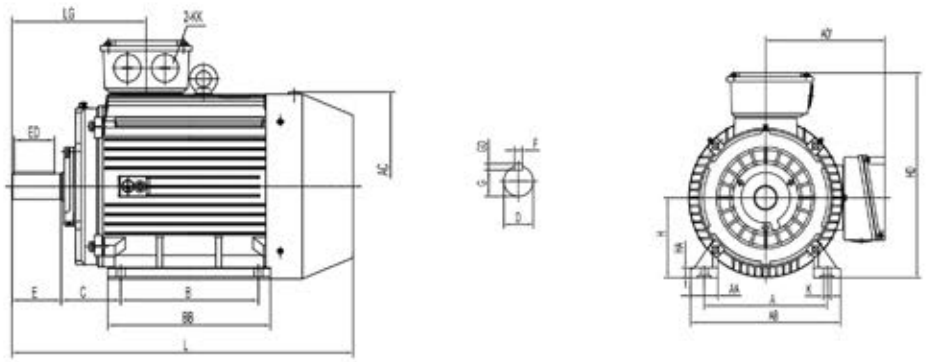

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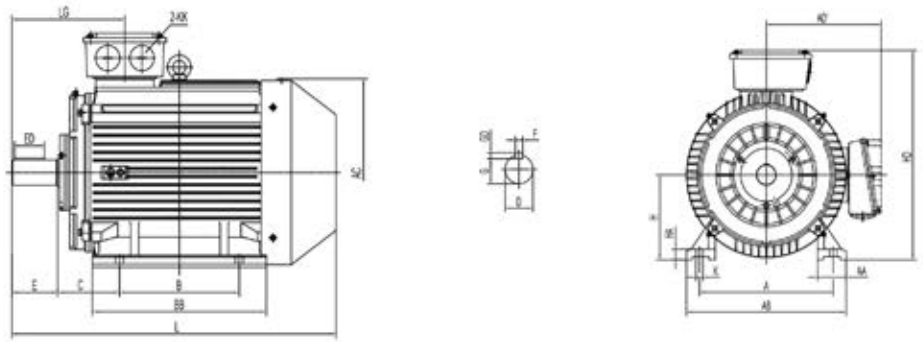

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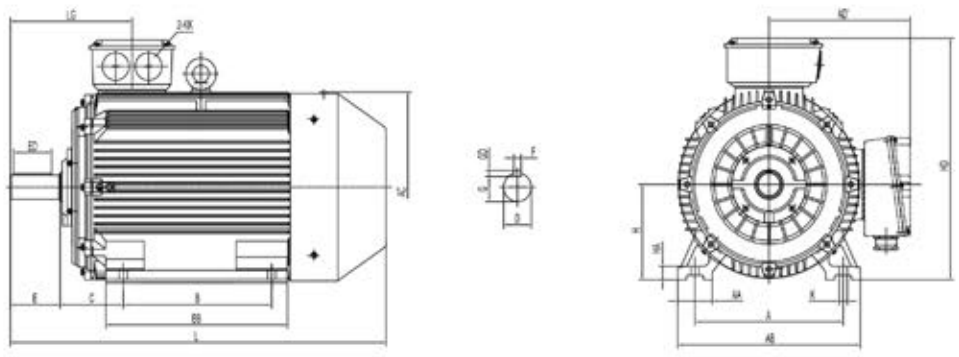


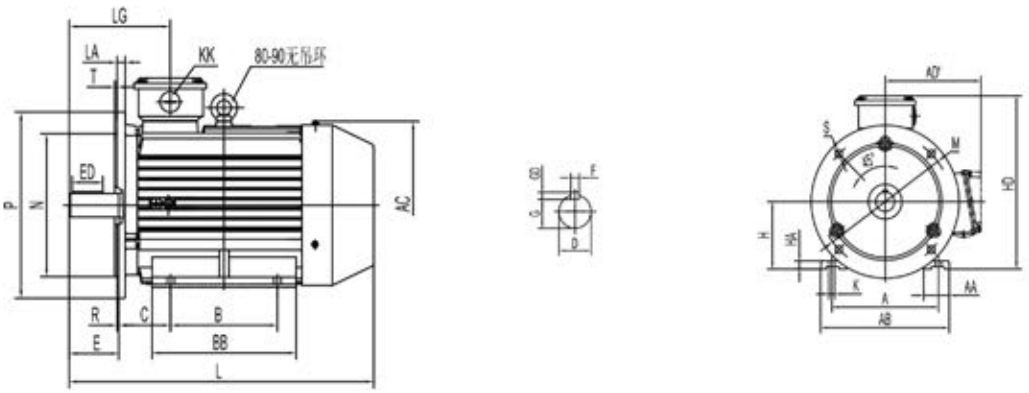
IE3

DIMENSIONS MOUNT B3

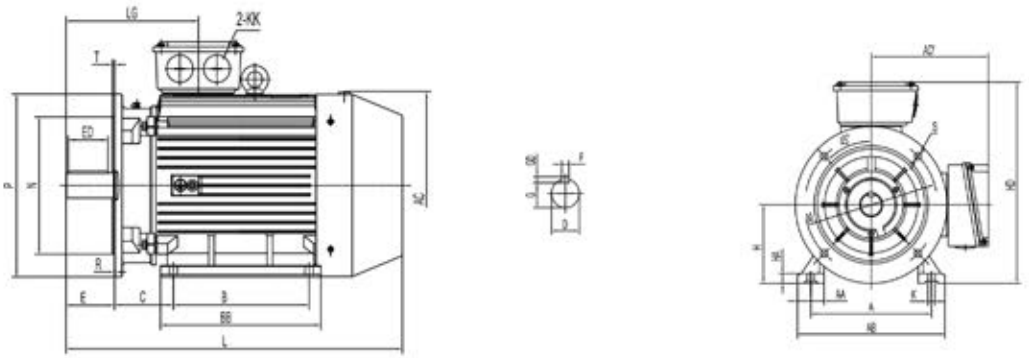
Frame	A	AA	AB	AC	AD'	B	BB	C	D	E	ED	F	G	GD	H	HA	HD	K	KK	L	LG
80	125	34	160	180	160	100	142	50	19	40	22	6	15.5	6	80	10	240	10	M25X1.5	305	112
90S	140	36	180	210	170	100	180	56	24	50	32	8	20	7	90	12.5	260	10	M25X1.5	340	132
90L	140	36	180	210	165	125	210	56	24	50	32	8	20	7	90	12.5	260	10	M25X1.5	365	132
100L	160	40	200	220	185	140	233	63	28	60	40	8	24	7	100	14	285	12	M25X1.5	403	153
112M	190	45	236	236	205	140	252	70	28	60	40	8	24	7	112	14	315	12	M32X1.5	410	144
132S	216	52	265	275	225	140	220	89	38	80	56	10	33	8	132	16	355	12	M32X1.5	485	167
132M	216	52	265	275	225	178	258	89	38	80	56	10	33	8	132	16	355	12	M32X1.5	525	167
160M	254	65	320	330	265	210	325	108	42	110	80	12	37	8	160	19	425	14.5	M40X1.5	665	268
160L	254	65	320	330	265	254	325	108	42	110	80	12	37	8	160	19	425	14.5	M40X1.5	665	268
180M	279	70	350	380	285	241	335	121	48	110	80	14	42.5	9	180	22	465	14.5	M40X1.5	730	277
180L	279	70	350	380	285	279	335	121	48	110	80	14	42.5	9	180	22	465	14.5	M40X1.5	730	277
200L	318	80	390	420	310	305	355	133	55	110	90	16	49	10	200	25	510	18.5	M50X1.5	790	298
225S(4-6P)	356	75	435	465	335	286	350	149	60	140	100	18	53	11	225	28	560	18.5	M50X1.5	840	338
225M(2P)	356	75	435	465	335	311	375	149	55	110	80	16	49	10	225	28	560	18.5	M50X1.5	865	338
225M(4-6P)	356	75	435	465	335	311	375	149	60	140	100	18	53	11	225	28	560	18.5	M50X1.5	865	338
250M(2P)	406	100	485	520	385	349	450	168	60	140	100	18	53	11	250	33	635	24	M63X1.5	945	360
250M(4-6P)	406	100	485	520	385	349	450	168	65	140	100	18	58	11	250	33	635	24	M63X1.5	945	360
280S(2P)	457	105	550	570	415	368	490	190	65	140	100	18	58	11	280	35	695	24	M63X1.5	990	344
280S(4-6P)	457	105	550	570	415	368	490	190	75	140	100	20	67.5	12	280	35	695	24	M63X1.5	990	344
280M(2P)	457	105	550	570	415	419	540	190	65	140	100	18	58	11	280	35	695	24	M63X1.5	1045	344
280M(4-6P)	457	105	550	570	415	419	540	190	75	140	100	20	67.5	12	280	35	695	24	M63X1.5	1045	344
315S(2P)	508	125	630	650	490	406	515	216	65	140	100	18	58	11	315	45	805	28	M63X1.5	1185	417
315M(2P)	508	125	630	650	490	457	625	216	65	140	100	18	58	11	315	45	805	28	M63X1.5	1295	417
315L(2P)	508	125	630	650	490	508	625	216	65	140	100	18	58	11	315	45	805	28	M63X1.5	1295	417
315S(4-6P)	508	125	630	650	490	406	515	216	80	170	130	22	71	14	315	45	805	28	M63X1.5	1215	417
315M(4-6P)	508	125	630	650	490	457	625	216	80	170	130	22	71	14	315	45	805	28	M63X1.5	1325	417
315L(4-6P)	508	125	630	650	490	508	625	216	80	170	130	22	71	14	315	45	805	28	M63X1.5	1325	417
355M(2P)	610	125	735	735	645	560	850	254	75	140	110	20	67.5	12	355	49	1000	28	M63X1.5	1620	420
355L1(2P)	610	125	735	735	645	630	850	254	75	140	110	20	67.5	12	355	49	1000	28	M63X1.5	1620	420
355L2,3(2P)	630	135	760	800	770	800	1140	224	80	170	130	22	71	14	355	52	1000	35	M63X1.5	1870	472
355M(4-6P)	610	125	735	735	645	560	850	254	95	170	140	25	86	14	355	49	1000	28	M63X1.5	1650	450
355L1(4-6P)	610	125	735	735	645	630	850	254	95	170	140	25	86	14	355	49	1000	28	M63X1.5	1650	450
355L3-4P,L2-6P	630	135	760	800	770	800	1140	224	110	210	180	28	100	16	355	52	1000	35	M63X1.5	1940	512

DIMENSIONS MOUNT B35

IE3-80-132



IE3-160-200



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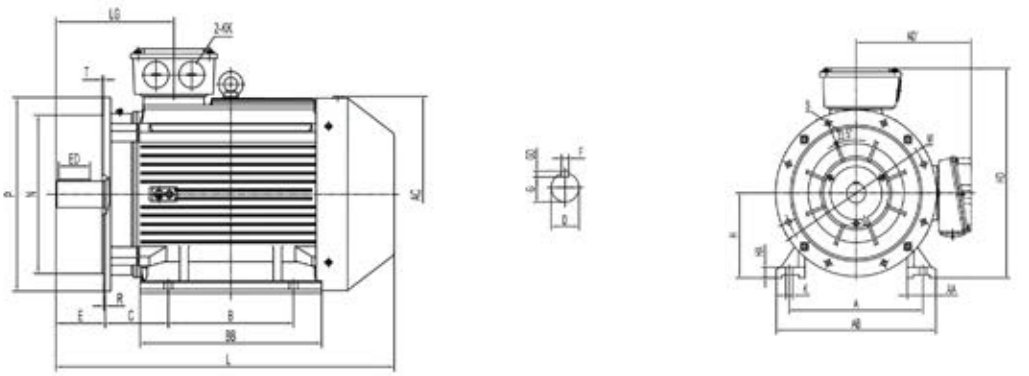

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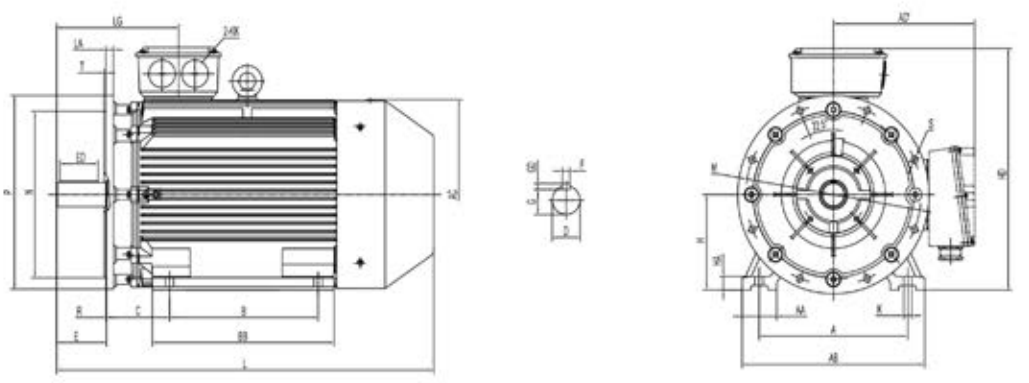


IE3

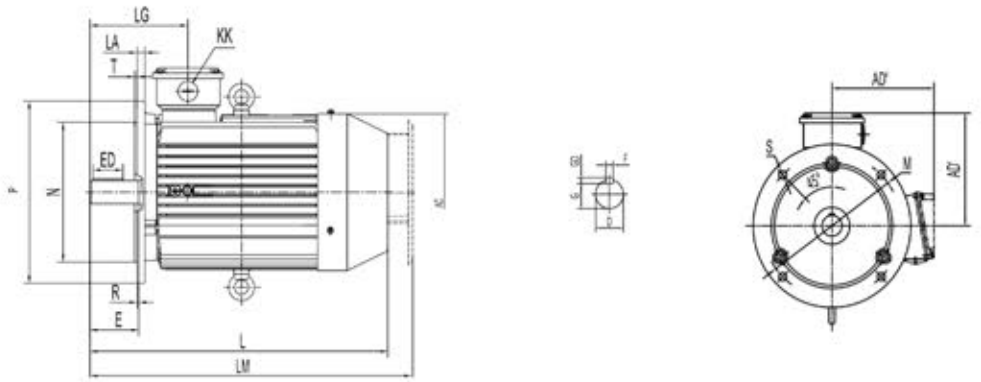
DIMENSIONS MOUNT B35

Frame	A	AA	AB	AC	AD'	B	BB	C	D	E	ED	F	G	GD	H	HA	HD	K	L	LA	LG	M	N	P	S	T	KK
80	125	34	160	180	160	100	142	50	19	40	22	6	15.5	6	80	10	240	10	305	14	112	165	130	200	12	3.5	M25X1.5
90S	140	36	180	210	170	100	180	56	24	50	32	8	20	7	90	13	260	10	340	12	132	165	130	200	12	3.5	M25X1.5
90L	140	36	180	210	165	125	210	56	24	50	32	8	20	7	90	13	260	10	365	12	132	165	130	200	12	3.5	M25X1.5
100L	160	40	200	220	185	140	233	63	28	60	40	8	24	7	100	14	285	12	403	14	153	215	180	250	14.5	4	M25X1.5
112M	190	45	230	236	205	140	252	70	28	60	40	8	24	7	112	14	315	12	410	12	144	215	180	250	14.5	4	M32X1.5
132S	216	52	265	275	225	140	220	89	38	80	56	10	33	8	132	16	355	12	485	13	167	265	230	300	14.5	4	M32X1.5
132M	216	52	265	275	225	178	258	89	38	80	56	10	33	8	132	16	355	12	525	13	167	265	230	300	14.5	4	M32X1.5
160M	254	65	320	330	265	210	325	108	42	110	80	12	37	8	160	19	425	14.5	665	15	268	300	250	350	18.5	5	M40X1.5
160L	254	65	320	330	265	254	325	108	42	110	80	12	37	8	160	19	425	14.5	665	15	268	300	250	350	18.5	5	M40X1.5
180M	279	70	350	380	285	241	335	121	48	110	80	14	42.5	9	180	22	465	14.5	730	15	277	300	250	350	18.5	5	M40X1.5
180L	279	70	350	380	285	279	335	121	48	110	80	14	42.5	9	180	22	465	14.5	730	15	277	300	250	350	18.5	5	M40X1.5
200L	318	80	390	420	310	305	355	133	55	110	90	16	49	10	200	25	510	18.5	790	17	298	350	300	400	18.5	5	M50X1.5
225S(4-6P)	356	75	435	465	335	286	350	149	60	140	100	18	53	11	225	28	560	18.5	840	19	338	400	350	450	18.5	5	M50X1.5
225M(2P)	356	75	435	465	335	311	375	149	55	110	80	16	49	10	225	28	560	18.5	865	19	338	400	350	450	18.5	5	M50X1.5
225M(4-6P)	356	75	435	465	335	311	375	149	60	140	100	18	53	11	225	28	560	18.5	865	19	338	400	350	450	18.5	5	M50X1.5
250M(2P)	406	100	485	520	385	349	450	168	60	140	100	18	53	11	250	33	635	24	945	20	360	500	450	550	18.5	5	M63X1.5
250M(4-6P)	406	100	485	520	385	349	450	168	65	140	100	18	58	11	250	33	635	24	945	20	360	500	450	550	18.5	5	M63X1.5
280S(2P)	457	105	550	570	415	368	490	190	65	140	100	18	58	11	280	35	695	24	990	22	344	500	450	550	18.5	5	M63X1.5
280S(4-6P)	457	105	550	570	415	368	490	190	75	140	100	20	67.5	12	280	35	695	24	990	22	344	500	450	550	18.5	5	M63X1.5
280M(2P)	457	105	550	570	415	419	540	190	65	140	100	18	58	11	280	35	695	24	1045	22	344	500	450	550	18.5	5	M63X1.5
280M(4-6P)	457	105	550	570	415	419	540	190	75	140	100	20	67.5	12	280	35	695	24	1045	22	344	500	450	550	18.5	5	M63X1.5
315S(2P)	508	125	630	650	490	406	515	216	65	140	100	18	58	11	315	45	805	28	1185	24	417	600	550	660	24	6	M63X1.5
315M(2P)	508	125	630	650	490	457	625	216	65	140	100	18	58	11	315	45	805	28	1295	24	417	600	550	660	24	6	M63X1.5
315L(2P)	508	125	630	650	490	508	625	216	65	140	100	18	58	11	315	45	805	28	1295	24	417	600	550	660	24	6	M63X1.5
315S(4-6P)	508	125	630	650	490	406	515	216	80	170	130	22	71	14	315	45	805	28	1185	24	417	600	550	660	24	6	M63X1.5
315M(4-6P)	508	125	630	650	490	457	625	216	80	170	130	22	71	14	315	45	805	28	1325	24	417	600	550	660	24	6	M63X1.5
315L(4-6P)	508	125	630	650	490	508	625	216	80	170	130	22	71	14	315	45	805	28	1325	24	417	600	550	660	24	6	M63X1.5
355M(2P)	610	125	735	735	645	560	850	254	75	140	110	20	67.5	12	355	49	1000	28	1620	25	420	740	680	800	24	6	M63X1.5
355L1(2P)	610	125	735	735	645	630	850	254	75	140	110	20	67.5	12	355	49	1000	28	1620	25	420	740	680	800	24	6	M63X1.5
355L2,3(2P)	630	135	760	800	770	800	1140	224	80	170	130	22	71	14	355	52	1000	35	1870	25	472	840	780	900	24	6	M63X1.5
355M(4-6P)	610	125	735	735	645	560	850	254	95	170	140	25	86	14	355	49	1000	28	1650	25	450	740	680	800	24	6	M63X1.5
355L1(4-6P)	610	125	735	735	645	630	850	254	95	170	140	25	86	14	355	49	1000	28	1650	25	450	740	680	800	24	6	M63X1.5
355L3-4P,L2-6P	630	135	760	800	770	800	1140	224	110	210	180	28	100	16	355	52	1000	35	1940	25	512	840	780	900	24	6	M63X1.5

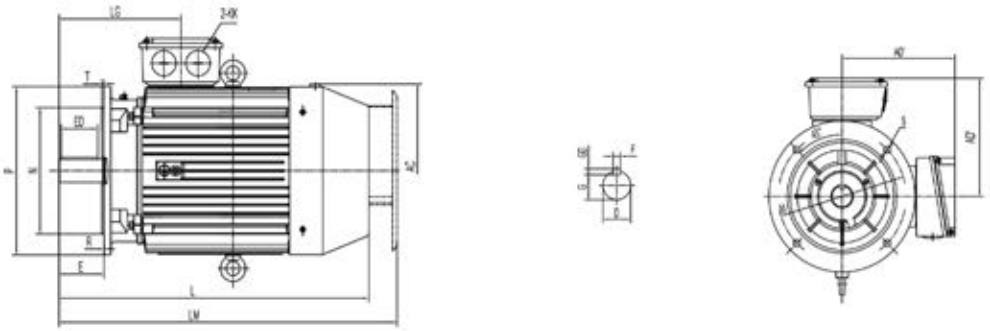
Note: R=0

DIMENSIONS MOUNT B35 & V1

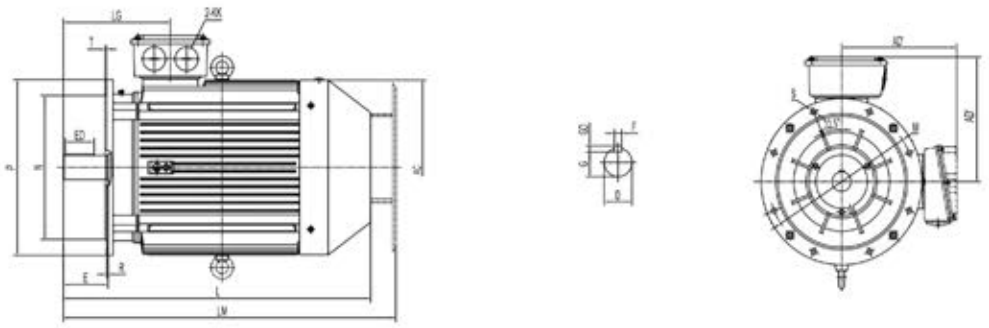
IE3-80-132



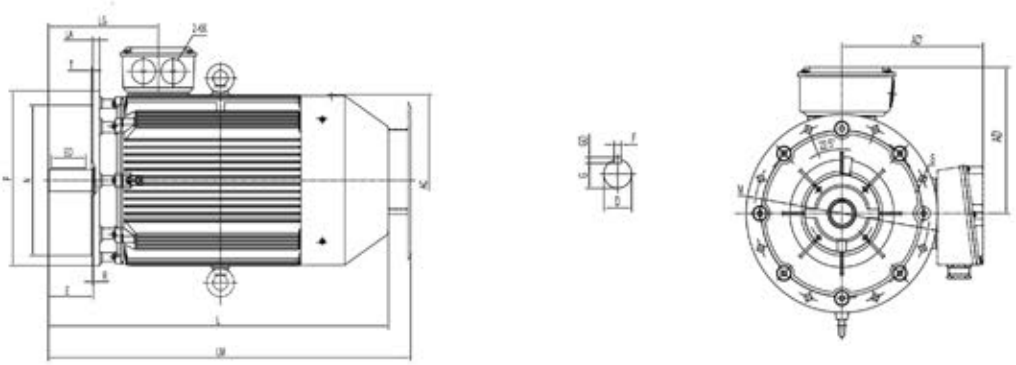
IE3-160-200



IE3-225-280



IE3-315-355



IE3

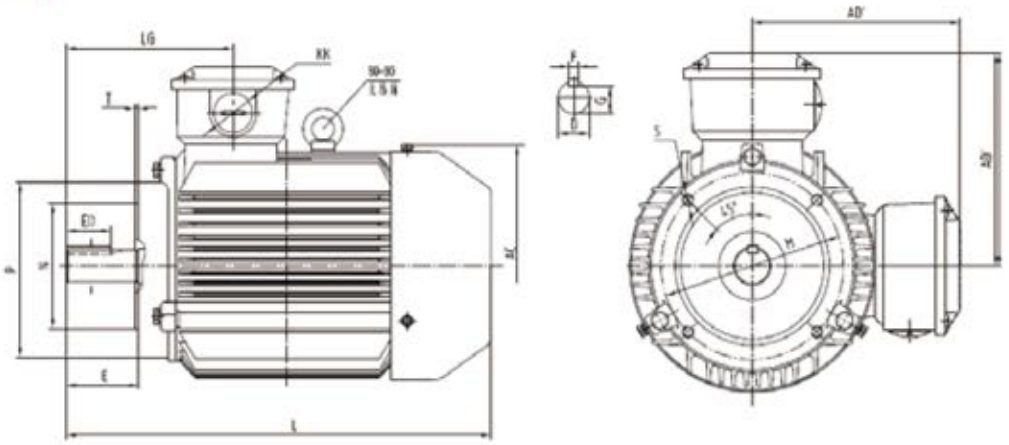
DIMENSIONS MOUNT B3

Frame	AC	AD'	D	E	ED	F	G	GD	L	LA	LG	LM	M	N	P	S	T	KK
80	175	160	19	40	22	6	15.5	6	305	14	112	345	165	130	200	12	3.5	M25X1.5
90S	195	170	24	50	32	8	20	7	340	12	132	380	165	130	200	12	3.5	M25X1.5
90L	195	170	24	50	32	8	20	7	365	12	132	405	165	130	200	12	3.5	M25X1.5
100L	215	185	28	60	40	8	24	7	403	14	153	450	215	180	250	14.5	4	M25X1.5
112M	240	205	28	60	40	8	24	7	410	12	144	460	215	180	250	14.5	4	M32X1.5
132S	275	225	38	80	56	10	33	8	485	13	167	535	265	230	300	14.5	4	M32X1.5
132M	275	225	38	80	56	10	33	8	525	13	167	575	265	230	300	14.5	4	M32X1.5
160M	330	265	42	110	80	12	37	8	665	15	268	720	300	250	350	18.5	5	M40X1.5
160L	330	265	42	110	80	12	37	8	665	15	268	720	300	250	350	18.5	5	M40X1.5
180M	380	285	48	110	80	14	42.5	9	730	15	277	785	300	250	350	18.5	5	M40X1.5
180L	380	285	48	110	80	14	42.5	9	730	15	277	785	300	250	350	18.5	5	M40X1.5
200L	420	310	55	110	90	16	49	10	790	17	298	860	350	300	400	18.5	5	M50X1.5
225S(4-6P)	465	335	60	140	100	18	53	11	840	19	338	910	400	350	450	18.5	5	M50X1.5
225M(2P)	465	335	55	110	80	16	49	10	865	19	338	935	400	350	450	18.5	5	M50X1.5
225M(4-6P)	465	335	60	140	100	18	53	11	865	19	338	935	400	350	450	18.5	5	M50X1.5
250M(2P)	520	385	60	140	100	18	53	11	945	20	360	1025	500	450	550	18.5	5	M63X1.5
250M(4-6P)	520	385	65	140	100	18	58	11	945	20	360	1025	500	450	550	18.5	5	M63X1.5
280S(2P)	570	415	65	140	100	18	58	11	990	22	344	1080	500	450	550	18.5	5	M63X1.5
280S(4-6P)	570	415	75	140	100	20	67.5	12	990	22	344	1080	500	450	550	18.5	5	M63X1.5
280M(2P)	570	415	65	140	100	18	58	11	1045	22	344	1125	500	450	550	18.5	5	M63X1.5
280M(4-6P)	570	415	75	140	100	20	67.5	12	1045	22	344	1125	500	450	550	18.5	5	M63X1.5
315S(2P)	650	490	65	140	100	18	58	11	1185	24	417	1285	600	550	660	24	6	M63X1.5
315M(2P)	650	490	65	140	100	18	58	11	1295	24	417	1395	600	550	660	24	6	M63X1.5
315L(2P)	650	490	65	140	100	18	58	11	1295	24	417	1395	600	550	660	24	6	M63X1.5
315S(4-6P)	650	490	80	170	130	22	71	14	1215	24	417	1315	600	550	660	24	6	M63X1.5
315M(4-6P)	650	490	80	170	130	22	71	14	1325	24	417	1425	600	550	660	24	6	M63X1.5
315L(4-6P)	650	490	80	170	130	22	71	14	1325	24	417	1425	600	550	660	24	6	M63X1.5
355M(2P)V1	735	645	75	140	110	20	67.5	12	1620	25	420	1720	740	680	800	24	6	M63X1.5
355L1(2P)V1	735	645	75	140	110	20	67.5	12	1620	25	420	1720	740	680	800	24	6	M63X1.5
355L2,3(2P)V1	800	770	80	170	130	22	71	14	1870	25	472	1970	840	780	900	24	6	M63X1.5
355M(4-6P)V1	735	645	95	170	140	25	86	14	1650	25	450	1750	740	680	800	24	6	M63X1.5
355L1(4-6P)V1	735	645	95	170	140	25	86	14	1650	25	450	1750	740	680	800	24	6	M63X1.5
355L3-4P,L2-6P,V1	800	770	110	210	180	28	100	16	1940	25	512	2040	840	780	900	24	6	M63X1.5

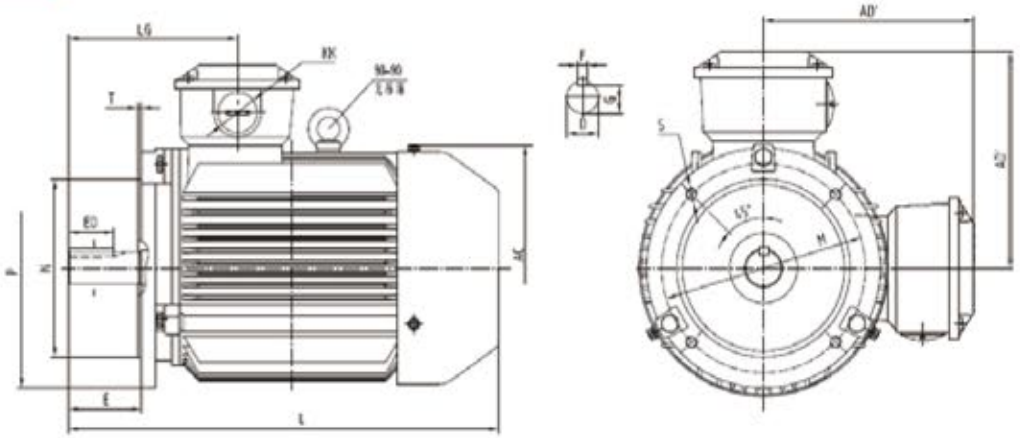
Note: R=0

DIMENSIONS MOUNT B14

80-160 B14A



80-132 B14B



FRAME SIZE	AC	AD'	D	E	ED	F	G	GD	KK	L	LG	B14A					B14B				
												M	N	P	S	T	M	N	P	S	T
80M	175	155	19	40	22	6	15.5	6	M25X1.5	305	112	100	80	120	M6	3	130	110	160	M8	3.5
90S	195	175	24	50	32	8	20	7	M25X1.5	360	132	115	95	140	M8	3	130	110	160	M8	3.5
90L	195	175	24	50	32	8	20	7	M25X1.5	390	132	115	95	140	M8	3	130	110	160	M8	3.5
100L	215	180	28	60	40	8	24	7	M25X1.5	435	153	130	110	160	M8	3.5	165	130	200	M10	3.5
112M	240	190	28	60	40	8	24	7	2XM32X1.5	470	144	130	110	160	M8	3.5	165	130	200	M10	3.5
132S	275	210	38	80	56	10	33	8	2XM32X1.5	510	167	165	130	200	M10	3.5	215	180	250	M12	4
132M	275	210	38	80	56	10	33	8	2XM32X1.5	560	167	165	130	200	M10	3.5	215	180	250	M12	4
160M	330	255	42	110	80	12	37	8	2XM40X1.5	700	268	215	180	250	M12	4	-	-	-	-	-
160L	330	255	42	110	80	12	37	8	2XM40X1.5	700	268	215	180	250	M12	4	-	-	-	-	-

IE4
SERIES THREE-PHASE INDUCTION MOTOR

PRODUCT INTRODUCTION

SUNVIM IE4 electric motors are manufactured according to international standard IEC60034-30-1:2014. All IE4 motors are manufactured with premium grade silicon steel, low harmonics winding, low noise and low friction bearings, low wind resistance and low noise cooling fans. They are widely used to drive various general equipments, like fans, pumps, machining tools compressors, and transport machineries. The motors can also work safely and stably in industry field of petroleum, chemical-steel, mining and other places where there is with heavy load and harsh operating environment. The motors can be provided with protection grade IP55, IP56, IP65, IP66 and insulation grade F, H, temperature rise grade B. SUNVIM IE4 motors are registered in national energy label system, and have obtained china certificate for energy conservation product.

SPECIFICATION

Standard: IEC60034-30-1
Frame size: H80-355mm
Rated power: 0.718kW-315kW
Degrees or energy efficiency: IE4
Voltage and frequency: 400V/ 50Hz
Degrees of protections: IP55
Degrees of insulation/Temperature rise: F/B
Installation Method: B3\ B5\B35\V1
Ambient temperature: -15℃~+40℃
Relative humidity should be less than 90%
Altitude should be lower than 1000 m above sea level
Cooling Method: IC411 、IC416、IC418、IC410

SUNVIM

2-pole,3000r/min synchonous speed

Model	Power	Speed (r/min)	Current (A)			Current (A)			Current (A)			Speed (r/min)	Eff.			Power Factor	Rated Torque	T_{st}/T_n (Times)	T_{max}/T_n (Times)	I_{st}/I_n (Times)	Noise dB (A)	W.T (kg)	Inertia ($kg.m^2$)
			220V	380V	660V	230V	400V	690V	240V	415V	720V		100%	75%	50%								
IE4-80M1-2	0.75	2910	2.84	1.64	0.95	2.8	1.6	0.9	2.6	1.5	0.9	2910	83.5	83.2	82.1	0.83	2.5	2.2	2.3	8.5	62	18	0.0011
IE4-80M2-2	1.1	2910	4.2	2.4	1.4	3.8	2.2	1.3	3.8	2.2	1.3	2910	85.2	85.0	83.7	0.83	3.6	2.2	2.3	8.5	62	19	0.0022
IE4-90S-2	1.5	2910	5.4	3.1	1.8	5	2.9	1.7	4.8	2.8	1.6	2910	86.5	86.2	85.1	0.85	4.9	2.2	2.3	9.0	67	25	0.0022
IE4-90L-2	2.2	2910	7.6	4.4	2.5	7.3	4.2	2.4	6.9	4	2.3	2910	88.0	87.7	86.6	0.86	7.2	2.2	2.3	9.0	67	29	0.0033
IE4-100L-2	3	2910	10.2	5.9	3.4	9.7	5.6	3.2	9.4	5.4	3.1	2910	89.1	88.8	87.7	0.87	9.9	2.2	2.3	9.5	74	38	0.0066
IE4-112M-2	4	2915	13.3	7.7	4.4	12.6	7.3	4.2	12.1	7	4	2915	90.0	89.8	88.5	0.88	13.1	2.2	2.3	9.5	77	47	0.0099
IE4-132S1-2	5.5	2920	18	10.4	6	17.1	9.9	5.7	16.6	9.6	5.5	2920	90.9	90.7	89.4	0.88	18.0	2.0	2.3	9.5	79	71	0.0264
IE4-132S2-2	7.5	2920	24.2	14	8.1	23	13.3	7.7	22.2	12.8	7.4	2920	91.7	91.5	90.2	0.89	24.5	2.0	2.3	9.5	79	77	0.0319
IE4-160M1-2	11	2935	35.2	20.3	11.7	33.4	19.3	11.1	32.2	18.6	10.7	2935	92.6	92.5	90.7	0.89	35.8	2.0	2.3	9.5	81	137	0.0737
IE4-160M2-2	15	2935	47.5	27.4	15.8	45.2	26.1	15.1	43.5	25.1	14.5	2935	93.3	93.2	91.4	0.89	48.8	2.0	2.3	9.5	81	150	0.0880
IE4-160L-2	18.5	2935	58.4	33.7	19.5	55.4	32	18.5	53.5	30.9	17.8	2935	93.7	93.6	91.8	0.89	60.2	2.0	2.3	9.5	81	169	0.1067
IE4-180M-2	22	2940	69.3	40	23.1	65.8	38	21.9	63.4	36.6	21.1	2940	94.0	93.9	92.1	0.89	71.5	2.0	2.3	9.5	83	219	0.1507
IE4-200L1-2	30	2950	93.9	54.2	31.3	89.2	51.5	29.7	85.9	49.6	28.6	2950	94.5	94.4	92.6	0.89	97.1	2.0	2.3	9.0	84	286	0.2497
IE4-200L2-2	37	2950	115	66.6	38.5	110	63.3	36.5	106	61	35.2	2950	94.8	94.8	93.0	0.89	120	2.0	2.3	9.0	84	306	0.2959
IE4-225M-2	45	2970	140	80.9	46.7	133	76.8	44.3	128	74	42.7	2970	95.0	94.9	93.1	0.89	145	2.0	2.3	9.0	86	359	0.3960
IE4-250M-2	55	2970	171	98.5	56.9	162	93.6	54	156	90.2	52.1	2970	95.3	95.1	93.3	0.89	177	2.0	2.3	9.0	89	475	0.8701
IE4-280S-2	75	2975	232	134	77.4	220	127	73.3	213	123	71	2975	95.6	95.5	93.7	0.89	241	1.8	2.3	8.5	91	620	1.0560
IE4-280M-2	90	2975	277	160	92.4	263	152	87.8	255	147	84.9	2975	95.8	95.7	93.9	0.89	289	1.8	2.3	8.5	91	673	1.2727
IE4-315S-2	110	2980	—	196	113	—	186	107	—	179	103	2980	96.0	95.9	94.1	0.89	353	1.8	2.3	8.5	92	975	1.8282
IE4-315M-2	132	2980	—	234	135	—	223	129	—	214	124	2980	96.2	96.1	94.3	0.89	423	1.8	2.3	8.5	92	1110	2.0614
IE4-315L1-2	160	2980	—	284	164	—	269	155	—	260	150	2980	96.3	96.2	94.4	0.89	513	1.8	2.2	8.5	92	1182	2.3606
IE4-315L2-2	185	2980	—	328	189	—	312	180	—	300	173	2980	96.3	96.2	94.4	0.89	593	1.8	2.2	8.5	92	1215	2.4926
IE4-315L3-2	200	2980	—	354	204	—	336	194	—	324	187	2980	96.5	96.4	94.6	0.89	641	1.8	2.2	8.5	92	1260	2.6928
IE4-355M1-2	220	2980	—	389	225	—	370	214	—	356	206	2980	96.5	96.5	94.6	0.89	705	1.6	2.2	8.5	100	1810	2.9623
IE4-355M2-2	250	2980	—	433	250	—	411	237	—	396	229	2980	96.5	96.5	94.6	0.91	801	1.6	2.2	8.5	100	1860	4.4374
IE4-355L1-2	280	2980	—	484	279	—	460	266	—	444	256	2980	96.5	96.5	94.6	0.91	897	1.6	2.2	8.5	100	1952	4.5045
IE4-355L2-2	315	2980	—	545	315	—	518	299	—	499	288	2980	96.5	96.5	94.6	0.91	1009	1.6	2.2	8.5	100	2052	5.1095

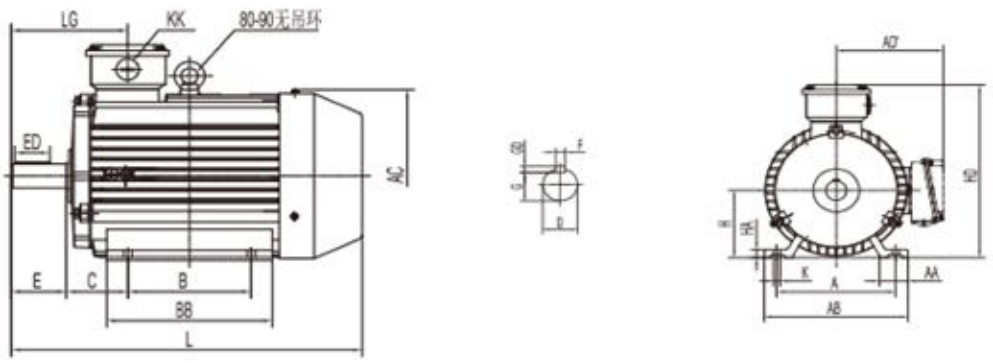
4-pole,1500r/min synchonous speed

Model	Power	Current (A)			Current (A)			Current (A)			Speed (r/min)	Eff.			Power Factor	Rated Torque	T_{st}/T_n (Times)	T_{max}/T_n (Times)	I_{st}/I_n (Times)	Noise dB (A)	W.T (kg)	Inertia ($kg.m^2$)
		220V	380V	660V	230V	400V	690V	240V	415V	720V		100%	75%	50%								
IE4-80M2-4	0.75	3.1	1.8	1	2.9	1.7	1	2.8	1.6	0.9	1430	85.7	85.4	83.1	0.74	5.0	2.3	2.3	8.5	56	20	0.0033
IE4-90S-4	1.1	4.5	2.6	1.5	4.2	2.4	1.4	4	2.3	1.3	1435	87.2	86.9	85.7	0.75	7.3	2.3	2.3	8.5	59	25	0.0044
IE4-90L-4	1.5	5.9	3.4	2	5.5	3.2	1.8	5.4	3.1	1.8	1435	88.2	87.9	86.8	0.76	10.0	2.3	2.3	9.0	59	30	0.0055
IE4-100L1-4	2.2	8.1	4.7	2.7	7.8	4.5	2.6	7.4	4.3	2.5	1450	89.5	89.3	88.2	0.79	14.5	2.3	2.3	9.0	64	41	0.0132
IE4-100L2-4	3	10.9	6.3	3.6	10.4	6	3.5	10	5.8	3.3	1450	90.4	90.2	88.9	0.80	19.8	2.3	2.3	9.5	64	46	0.0176
IE4-112M-4	4	14.4	8.3	4.8	13.7	7.9	4.6	13.2	7.6	4.4	1455	91.1	90.8	89.6	0.80	26.3	2.3	2.3	9.5	65	55	0.0242
IE4-132S-4	5.5	19.7	11.4	6.6	18.7	10.8	6.2	18	10.4	6	1460	91.9	91.7	90.3	0.80	36.0	2.0	2.3	9.5	71	78	0.0660
IE4-132M-4	7.5	26.3	15.2	8.8	24.9	14.4	8.3	24.1	13.9	8	1460	92.6	92.4	90.9	0.81	49.1	2.0	2.3	9.5	71	92	0.0781
IE4-160M-4	11	37.4	21.6	12.5	35.5	20.5	11.8	34.3	19.8	11.4	1470	93.3	93.2	91.4	0.83	71.5	2.0	2.3	9.5	73	146	0.1507
IE4-160L-4	15	50.1	28.9	16.7	47.5	27.4	15.8	45.9	26.5	15.3	1470	93.9	93.8	92.0	0.84	97.5	2.0	2.3	9.5	73	170	0.1881
IE4-180M-4	18.5	60.8	35.1	20.3	57.7	33.3	19.2	55.6	32.1	18.5	1475	94.2	94.1	92.3	0.85	120	2.0	2.3	9.5	76	197	0.2618
IE4-180L-4	22	72.1	41.6	24	68.4	39.5	22.8	66	38.1	22	1475	94.5	94.4	92.6	0.85	142	2.0	2.3	9.5	76	227	0.2849
IE4-200L-4	30	97.9	56.5	32.6	93	53.7	31	89.5	51.7	29.8	1475	94.9	94.8	93.0	0.85	194	2.0	2.3	9.0	76	297	0.5049
IE4-225S-4	37	120	69.5	40.1	114	66	38.1	110	63.6	36.7	1480	95.2	95.1	93.3	0.85	239	2.0	2.3	9.0	78	361	0.7216
IE4-225M-4	45	146	84.3	48.7	139	80.1	46.2	134	77.2	44.6	1480	95.4	95.3	93.5	0.85	290	2.0	2.3	9.0	78	391	0.8338
IE4-250M-4	55	177	102	58.9	167	96.5	55.7	161	93	53.7	1485	95.7	95.7	93.9	0.86	354	2.0	2.3	9.0	79	482	1.1858
IE4-280S-4	75	236	136	78.5	225	130	75.1	217	125	72.2	1485	96.0	96.0	94.2	0.87	482	2.0	2.3	8.5	80	656	1.9800
IE4-280M-4	90	281	162	93.5	267	154	88.9	256	148	85.5	1485	96.1	96.0	94.3	0.88	579	2.0	2.3	8.5	80	693	2.3430
IE4-315S-4	110	338	195	113	320	185	107	310	179	103	1490	96.3	96.3	94.4	0.89	705	1.8	2.2	8.5	88	983	3.7565
IE4-315M-4	132	405	234	135	385	222	128	371	214	124	1490	96.4	96.4	94.5	0.89	846	1.8	2.2	8.5	88	1148	4.1877
IE4-315L1-4	160	485	280	162	461	266	154	443	256	148	1490	96.6	96.6	94.8	0.90	1026	1.8	2.2	8.5	88	1234	3.7653
IE4-315L2-4	185	559	323	186	532	307	177	513	296	171	1490	96.6	96.6	94.8	0.90	1186	1.8	2.2	8.5	88	1300	4.9269
IE4-315L3-4	200	604	349	202	575	332	192	554	320	185	1490	96.7	96.7	94.8	0.90	1282	1.8	2.2	8.5	88	1354	5.7882
IE4-355M1-4	220	—	384	222	—	365	211	—	352	203	1490	96.7	96.7	94.8	0.90	1410	1.8	2.2	8.5	95	1596	5.9939
IE4-355M2-4	250	—	436	252	—	415	240	—	400	231	1490	96.7	96.7	94.8	0.90	1602	1.8	2.2	8.5	95	1758	6.8112
IE4-355L1-4	280	—	489	282	—	464	268	—	448	259	1490	96.7	96.7	94.8	0.90	1795	1.8	2.2	8.5	95	1925	7.4052
IE4-355L2-4	315	—	550	318	—	522	301	—	504	291	1490	96.7	96.7	94.8	0.90	2019	1.8	2.2	8.5	95	2140	8.0003

8-pole,750r/min synchonous speed

Model	Power	Current (A)			Current (A)			Current (A)			Speed (r/min)	Eff.			Power Factor	Rated Torque	T_{st}/T_n (Times)	T_{max}/T_n (Times)	I_{st}/I_n (Times)	Noise dB (A)	W.T (kg)	Inertia ($kg.m^2$)
		220V	380V	660V	230V	400V	690V	240V	415V	720V		100%	75%	50%								
IE4-100L1-8	0.75	3.8	2.2	1.3	3.6	2.1	1.2	3.5	2	1.2	690	78.4	78.1	76.6	0.66	10.4	2.0	2.0	7.0	59	33	0.0077
IE4-100L2-8	1.1	5.4	3.1	1.8	5	2.9	1.7	4.8	2.8	1.6	690	80.8	80.5	79.0	0.67	15.2	2.0	2.0	7.0	59	38	0.0115
IE4-112M-8	1.5	6.9	4	2.3	6.6	3.8	2.2	6.4	3.7	2.1	690	82.6	82.3	80.8	0.69	20.8	2.0	2.0	7.0	61	48	0.0187
IE4-132S-8	2.2	9.9	5.7	3.3	9.4	5.4	3.1	9	5.2	3	710	84.5	84.3	82.8	0.70	29.6	1.8	2.0	7.5	64	68	0.0408
IE4-132M-8	3	13.2	7.6	4.4	12.5	7.2	4.2	12	6.9	4	710	85.9	85.7	84.2	0.70	40.4	1.8	2.0	7.8	64	79	0.0553
IE4-160M1-8	4	17	9.8	5.7	16.1	9.3	5.4	15.6	9	5.2	720	87.1	86.9	85.4	0.71	53.1	1.8	2.0	7.9	68	117	0.0842
IE4-160M2-8	5.5	22.7	13.1	7.6	21.7	12.5	7.2	20.8	12	6.9	720	88.3	88.1	86.6	0.72	73.0	1.8	2.0	8.1	68	130	0.1158
IE4-160L-8	7.5	29.8	17.2	9.9	28.4	16.4	9.5	27.4	15.8	9.1	720	89.3	89.1	87.6	0.74	99.5	1.8	2.0	7.8	68	152	0.1579
IE4-180L-8	11	43.3	25	14.4	41	23.7	13.7	39.7	22.9	13.2	730	90.4	90.2	88.7	0.74	144	1.8	2.0	7.9	70	197	0.2742
IE4-200L-8	15	57.7	33.3	19.2	54.9	31.7	18.3	52.8	30.5	17.6	730	91.2	91.0	89.5	0.75	196	1.8	2.0	8.0	73	250	0.4206
IE4-225S-8	18.5	70.8	40.9	23.6	67.2	38.8	22.4	64.8	37.4	21.6	730	91.7	91.5	90.0	0.75	242	1.8	2.0	8.1	73	298	0.6410
IE4-225M-8	22	82.8	47.8	27.6	78.6	45.4	26.2	75.7	43.7	25.2	740	92.1	91.9	90.4	0.76	284	1.8	2.0	8.3	73	320	0.7327
IE4-250M-8	30	111	63.9	36.9	105	60.7	35	101	58.5	33.8	740	92.7	92.5	91.0	0.77	387	1.8	2.0	7.9	75	429	1.1901
IE4-280S-8	37	134	77.4	44.7	127	73.5	42.4	123	70.9	40.9	740	93.1	92.9	91.4	0.78	478	1.8	2.0	7.9	76	557	2.0684
IE4-280M-8	45	163	93.9	54.2	154	89.2	51.5	149	85.9	49.6	740	93.4	93.2	91.7	0.78	581	1.8	2.0	7.9	76	616	2.4596
IE4-315S-8	55	192	111	64.1	184	106	61.2	177	102	58.9	740	93.7	93.6	92.4	0.80	710	1.6	2.0	8.2	82	796	4.6366
IE4-315M-8	75	262	151	87.2	249	144	83.1	239	138	79.7	740	94.2	94.1	92.9	0.80	968	1.6	2.0	7.6	82	978	5.9118
IE4-315L1-8	90	310	179	103	294	170	98.2	284	164	94.7	740	94.4	94.3	93.1	0.81	1161	1.6	2.0	7.7	82	1118	7.8824
IE4-315L2-8	110	378	218	126	359	207	120	346	200	115	740	94.7	94.6	93.4	0.81	1420	1.6	2.0	7.7	82	1240	9.7371
IE4-355M1-8	132	452	261	151	430	248	143	414	239	138	740	94.9	94.8	93.6	0.81	1704	1.6	2.0	7.7	90	1636	14.9330
IE4-355M2-8	160	540	312	180	513	296	171	494	285	165	740	95.1	95.0	93.8	0.82	2065	1.6	2.0	7.7	90	1875	17.6837
IE4-355L1-8	185	622	359	207	591	341	197	570	329	190	740	95.4	95.3	94.2	0.82	2388	1.6	2.0	7.8	90	1985	20.8276
IE4-355L2-8	200	672	388	224	639	369	213	617	356	206	740	95.4	95.3	94.2	0.82	2581	1.6	2.0	7.8	90	2090	22.3994

IE4-80-132



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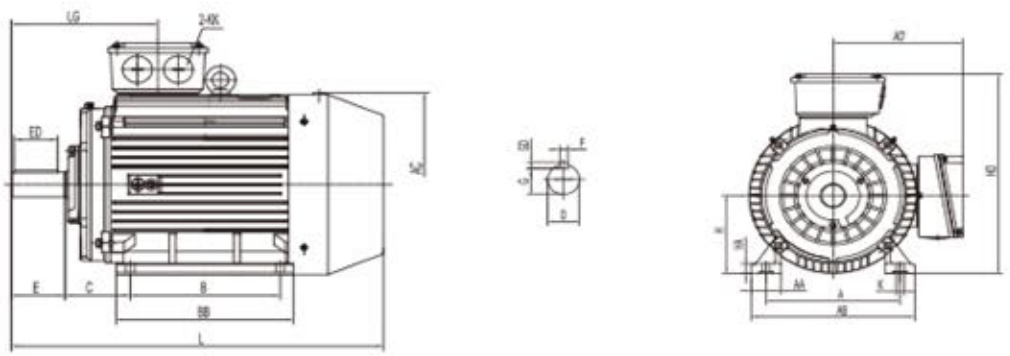

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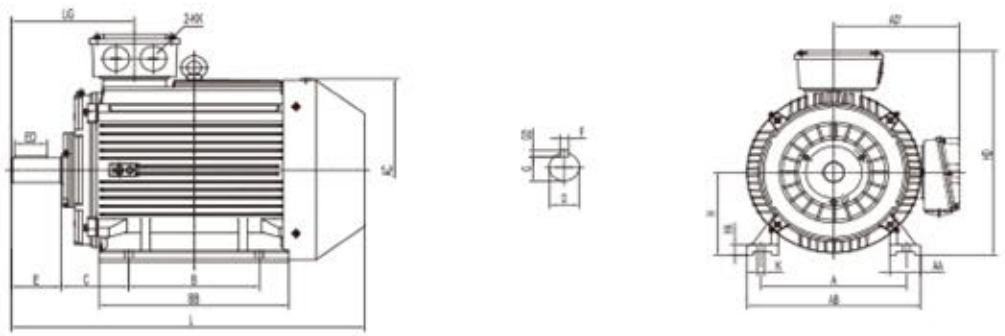

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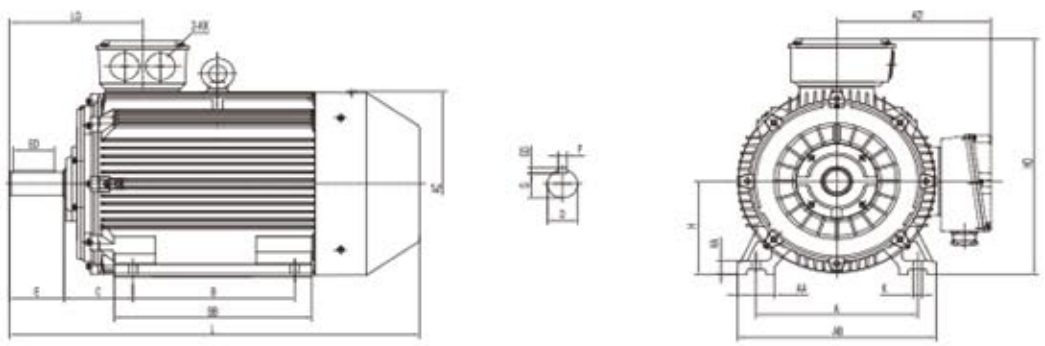
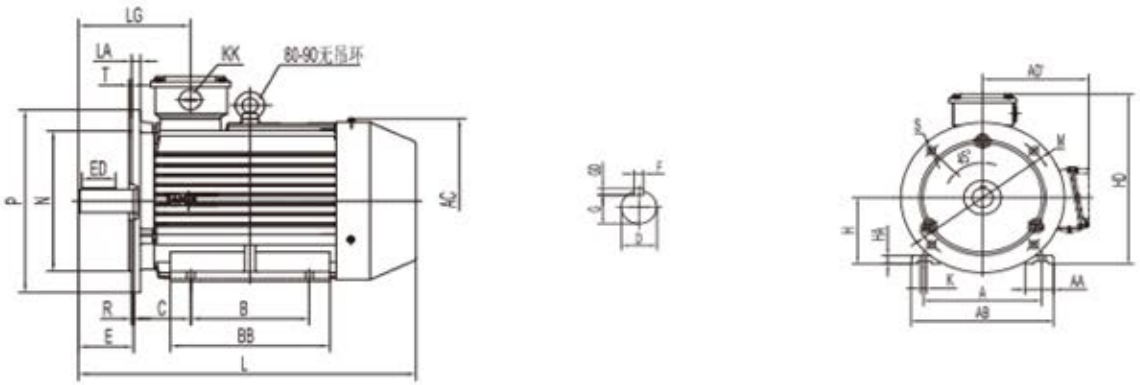


IE4

机座号	A	AA	AB	AC	AD	B	BB	C	D	E	ED	F	G	GD	H	HA	HD	K	KK	L	LG
80	125	34	160	180	160	100	142	50	19	40	22	6	15.5	6	80	10	240	10	M25X1.5	305	112
90S	140	36	180	210	170	100	180	56	24	50	32	8	20	7	90	12.5	260	10	M25X1.5	340	132
90L	140	36	180	210	165	125	210	56	24	50	32	8	20	7	90	12.5	260	10	M25X1.5	365	132
100L	160	40	200	220	185	140	233	63	28	60	40	8	24	7	100	14	285	12	M25X1.5	403	153
112M	190	45	236	236	205	140	252	70	28	60	40	8	24	7	112	14	315	12	M32X1.5	410	144
132S	216	52	265	275	225	140	220	89	38	80	56	10	33	8	132	16	355	12	M32X1.5	485	167
132M	216	52	265	275	225	178	258	89	38	80	56	10	33	8	132	16	355	12	M32X1.5	525	167
160M	254	65	320	330	265	210	325	108	42	110	80	12	37	8	160	19	425	14.5	M40X1.5	665	267.5
160L	254	65	320	330	265	254	325	108	42	110	80	12	37	8	160	19	425	14.5	M40X1.5	665	267.5
180M	279	70	350	380	285	241	335	121	48	110	80	14	42.5	9	180	22	465	14.5	M40X1.5	730	277
180L	279	70	350	380	285	279	335	121	48	110	80	14	42.5	9	180	22	465	14.5	M40X1.5	730	277
200L	318	80	390	420	310	305	355	133	55	110	90	16	49	10	200	25	510	18.5	M50X1.5	790	298
225S(4-6P)	356	75	435	465	335	286	350	149	60	140	100	18	53	11	225	28	560	18.5	M50X1.5	840	338
225M(2P)	356	75	435	465	335	311	375	149	55	110	80	16	49	10	225	28	560	18.5	M50X1.5	865	338
225M(4-6P)	356	75	435	465	335	311	375	149	60	140	100	18	53	11	225	28	560	18.5	M50X1.5	865	338
250M(2P)	406	100	485	520	385	349	450	168	60	140	100	18	53	11	250	33	635	24	M63X1.5	945	360
250M(4-6P)	406	100	485	520	385	349	450	168	65	140	100	18	58	11	250	33	635	24	M63X1.5	945	360
280S(2P)	457	105	550	570	415	368	490	190	65	140	100	18	58	11	280	35	695	24	M63X1.5	990	344
280S(4-6P)	457	105	550	570	415	368	490	190	75	140	100	20	67.5	12	280	35	695	24	M63X1.5	990	344
280M(2P)	457	105	550	570	415	419	540	190	65	140	100	18	58	11	280	35	695	24	M63X1.5	1045	344
280M(4-6P)	457	105	550	570	415	419	540	190	75	140	100	20	67.5	12	280	35	695	24	M63X1.5	1045	344
315S(2P)	508	125	630	650	490	406	515	216	65	140	100	18	58	11	315	45	805	28	M63X1.5	1185	417
315M(2P)	508	125	630	650	490	457	625	216	65	140	100	18	58	11	315	45	805	28	M63X1.5	1295	417
315L(2P)	508	125	630	650	490	508	625	216	65	140	100	18	58	11	315	45	805	28	M63X1.5	1295	417
315S(4-6P)	508	125	630	650	490	406	515	216	80	170	130	22	71	14	315	45	805	28	M63X1.5	1215	417
315M(4-6P)	508	125	630	650	490	457	625	216	80	170	130	22	71	14	315	45	805	28	M63X1.5	1325	417
315L(4-6P)	508	125	630	650	490	508	625	216	80	170	130	22	71	14	315	45	805	28	M63X1.5	1325	417
355M(2P)	610	125	735	735	645	560	850	254	75	140	110	20	67.5	12	355	49	1000	28	M63X1.5	1620	420
355L1(2P)	610	125	735	735	645	630	850	254	75	140	110	20	67.5	12	355	49	1000	28	M63X1.5	1620	420
355L2,3(2P)	630	135	760	800	770	800	1140	224	80	170	130	22	71	14	355	52	1000	35	M63X1.5	1870	472
355M(4-6P)	610	125	735	735	645	560	850	254	95	170	140	25	86	14	355	49	1000	28	M63X1.5	1650	450
355L1(4-6P)	610	125	735	735	645	630	850	254	95	170	140	25	86	14	355	49	1000	28	M63X1.5	1650	450
355L3-4P,L2-6P	630	135	760	800	770	800	1140	224	110	210	180	28	100	16	355	52	1000	35	M63X1.5	1940	512

IE4-80-132



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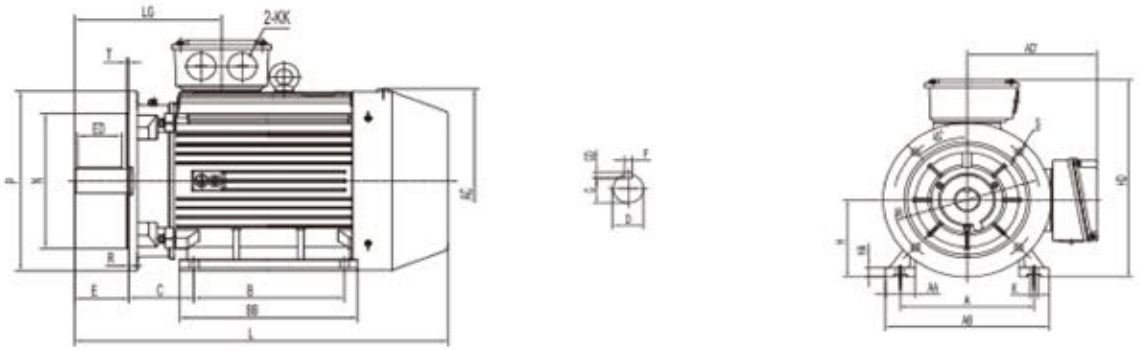

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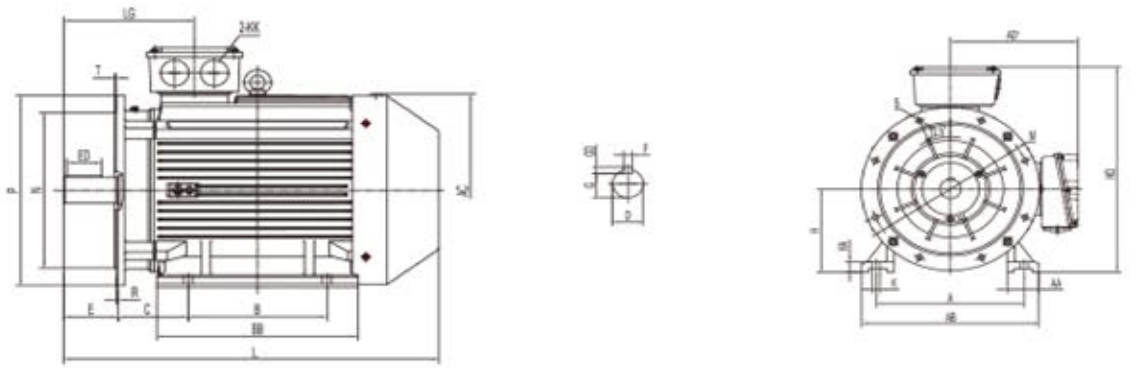

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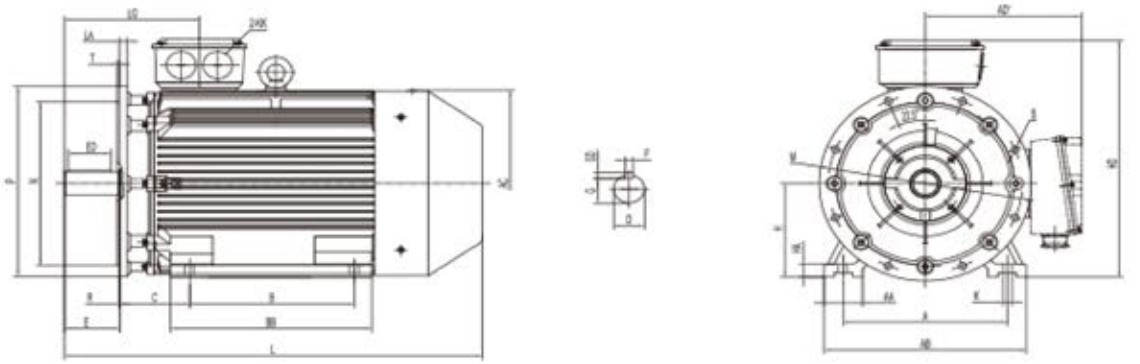


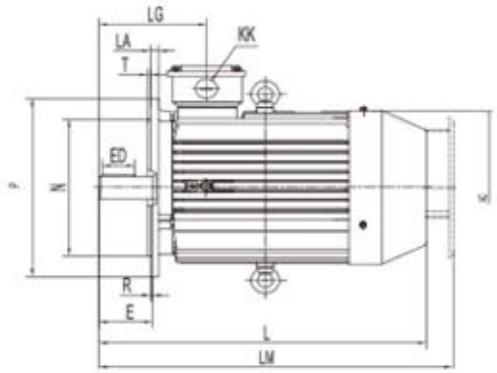
IE4

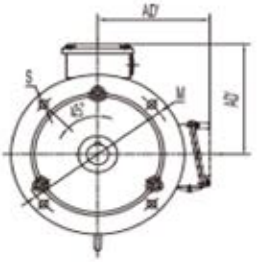
机座号	A	AA	AB	AC	AD'	B	BB	C	D	E	ED	F	G	GD	H	HA	HD	K	L	LA	LG	M	N	P	S	T	KK
80	125	34	160	180	160	100	142	50	19	40	22	6	15.5	6	80	10	240	10	305	14	112	165	130	200	12	3.5	M25X1.5
90S	140	36	180	210	170	100	180	56	24	50	32	8	20	7	90	13	260	10	340	12	132	165	130	200	12	3.5	M25X1.5
90L	140	36	180	210	165	125	210	56	24	50	32	8	20	7	90	13	260	10	365	12	132	165	130	200	12	3.5	M25X1.5
100L	160	40	200	220	185	140	233	63	28	60	40	8	24	7	100	14	285	12	403	14	153	215	180	250	14.5	4	M25X1.5
112M	190	45	230	236	205	140	252	70	28	60	40	8	24	7	112	14	315	12	410	12	144	215	180	250	14.5	4	M32X1.5
132S	216	52	265	275	225	140	220	89	38	80	56	10	33	8	132	16	355	12	485	13	167	265	230	300	14.5	4	M32X1.5
132M	216	52	265	275	225	178	258	89	38	80	56	10	33	8	132	16	355	12	525	13	167	265	230	300	14.5	4	M32X1.5
160M	254	65	320	330	265	210	325	108	42	110	80	12	37	8	160	19	425	14.5	665	15	268	300	250	350	18.5	5	M40X1.5
160L	254	65	320	330	265	254	325	108	42	110	80	12	37	8	160	19	425	14.5	665	15	268	300	250	350	18.5	5	M40X1.5
180M	279	70	350	380	285	241	335	121	48	110	80	14	42.5	9	180	22	465	14.5	730	15	277	300	250	350	18.5	5	M40X1.5
180L	279	70	350	380	285	279	335	121	48	110	80	14	42.5	9	180	22	465	14.5	730	15	277	300	250	350	18.5	5	M40X1.5
200L	318	80	390	420	310	305	355	133	55	110	90	16	49	10	200	25	510	18.5	790	17	298	350	300	400	18.5	5	M50X1.5
225S(4-6P)	356	75	435	465	335	286	350	149	60	140	100	18	53	11	225	28	560	18.5	840	19	338	400	350	450	18.5	5	M50X1.5
225M(2P)	356	75	435	465	335	311	375	149	55	110	80	16	49	10	225	28	560	18.5	865	19	338	400	350	450	18.5	5	M50X1.5
225M(4-6P)	356	75	435	465	335	311	375	149	60	140	100	18	53	11	225	28	560	18.5	865	19	338	400	350	450	18.5	5	M50X1.5
250M(2P)	406	100	485	520	385	349	450	168	60	140	100	18	53	11	250	33	635	24	945	20	360	500	450	550	18.5	5	M63X1.5
250M(4-6P)	406	100	485	520	385	349	450	168	65	140	100	18	58	11	250	33	635	24	945	20	360	500	450	550	18.5	5	M63X1.5
280S(2P)	457	105	550	570	415	368	490	190	65	140	100	18	58	11	280	35	695	24	990	22	344	500	450	550	18.5	5	M63X1.5
280S(4-6P)	457	105	550	570	415	368	490	190	75	140	100	20	67.5	12	280	35	695	24	990	22	344	500	450	550	18.5	5	M63X1.5
280M(2P)	457	105	550	570	415	419	540	190	65	140	100	18	58	11	280	35	695	24	1045	22	344	500	450	550	18.5	5	M63X1.5
280M(4-6P)	457	105	550	570	415	419	540	190	75	140	100	20	67.5	12	280	35	695	24	1045	22	344	500	450	550	18.5	5	M63X1.5
315S(2P)	508	125	630	650	490	406	515	216	65	140	100	18	58	11	315	45	805	28	1185	24	417	600	550	660	24	6	M63X1.5
315M(2P)	508	125	630	650	490	457	625	216	65	140	100	18	58	11	315	45	805	28	1295	24	417	600	550	660	24	6	M63X1.5
315L(2P)	508	125	630	650	490	508	625	216	65	140	100	18	58	11	315	45	805	28	1295	24	417	600	550	660	24	6	M63X1.5
315S(4-6P)	508	125	630	650	490	406	515	216	80	170	130	22	71	14	315	45	805	28	1185	24	417	600	550	660	24	6	M63X1.5
315M(4-6P)	508	125	630	650	490	457	625	216	80	170	130	22	71	14	315	45	805	28	1325	24	417	600	550	660	24	6	M63X1.5
315L(4-6P)	508	125	630	650	490	508	625	216	80	170	130	22	71	14	315	45	805	28	1325	24	417	600	550	660	24	6	M63X1.5
355M(2P)	610	125	735	735	645	560	850	254	75	140	110	20	67.5	12	355	49	1000	28	1620	25	420	740	680	800	24	6	M63X1.5
355L1(2P)	610	125	735	735	645	630	850	254	75	140	110	20	67.5	12	355	49	1000	28	1620	25	420	740	680	800	24	6	M63X1.5
355L2,3(2P)	630	135	760	800	770	800	1140	224	80	170	130	22	71	14	355	52	1000	35	1870	25	472	840	780	900	24	6	M63X1.5
355M(4-6P)	610	125	735	735	645	560	850	254	95	170	140	25	86	14	355	49	1000	28	1650	25	450	740	680	800	24	6	M63X1.5
355L1(4-6P)	610	125	735	735	645	630	850	254	95	170	140	25	86	14	355	49	1000	28	1650	25	450	740	680	800	24	6	M63X1.5
355L3-4P,L2-6P	630	135	760	800	770	800	1140	224	110	210	180	28	100	16	355	52	1000	35	1940	25	512	840	780	900	24	6	M63X1.5

Note: R=0

DIMENSIONS MOUNT B35 & V1

IE4-80-132





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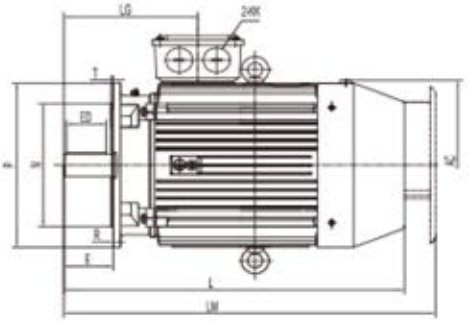

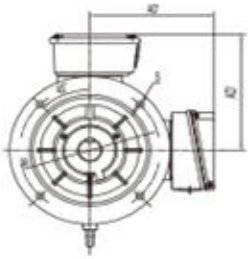

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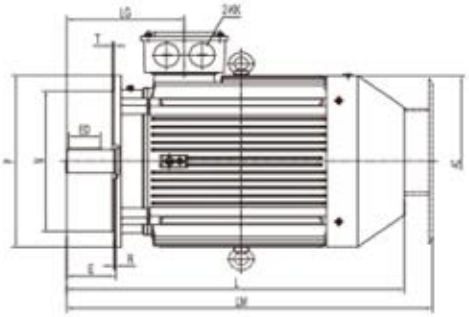

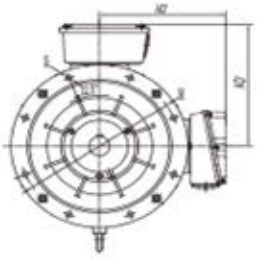

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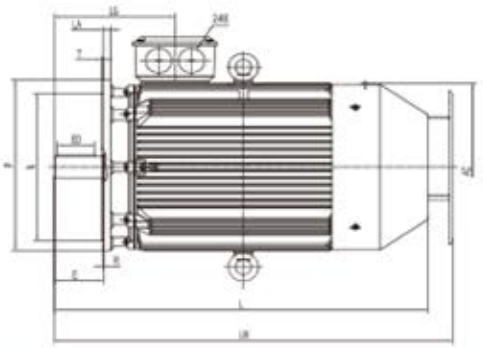
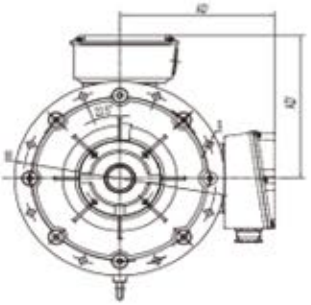


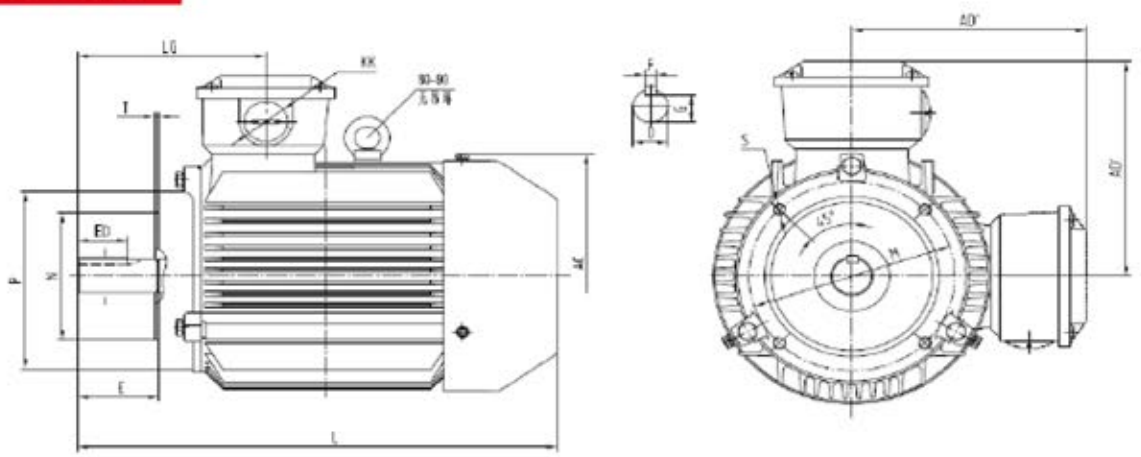


IE4

机座号	AC	AD'	D	E	ED	F	G	GD	L	LA	LG	LM	M	N	P	S	T	KK
80	175	160	19	40	22	6	15.5	6	305	14	112	345	165	130	200	12	3.5	M25X1.5
90S	195	170	24	50	32	8	20	7	340	12	132	380	165	130	200	12	3.5	M25X1.5
90L	195	170	24	50	32	8	20	7	365	12	132	405	165	130	200	12	3.5	M25X1.5
100L	215	185	28	60	40	8	24	7	403	14	153	450	215	180	250	14.5	4	M25X1.5
112M	240	205	28	60	40	8	24	7	410	12	144	460	215	180	250	14.5	4	M32X1.5
132S	275	225	38	80	56	10	33	8	485	13	167	535	265	230	300	14.5	4	M32X1.5
132M	275	225	38	80	56	10	33	8	525	13	167	575	265	230	300	14.5	4	M32X1.5
160M	330	265	42	110	80	12	37	8	665	15	268	720	300	250	350	18.5	5	M40X1.5
160L	330	265	42	110	80	12	37	8	665	15	268	720	300	250	350	18.5	5	M40X1.5
180M	380	285	48	110	80	14	42.5	9	730	15	277	785	300	250	350	18.5	5	M40X1.5
180L	380	285	48	110	80	14	42.5	9	730	15	277	785	300	250	350	18.5	5	M40X1.5
200L	420	310	55	110	90	16	49	10	790	17	298	860	350	300	400	18.5	5	M50X1.5
225S(4-6P)	465	335	60	140	100	18	53	11	840	19	338	910	400	350	450	18.5	5	M50X1.5
225M(2P)	465	335	55	110	80	16	49	10	865	19	338	935	400	350	450	18.5	5	M50X1.5
225M(4-6P)	465	335	60	140	100	18	53	11	865	19	338	935	400	350	450	18.5	5	M50X1.5
250M(2P)	520	385	60	140	100	18	53	11	945	20	360	1025	500	450	550	18.5	5	M63X1.5
250M(4-6P)	520	385	65	140	100	18	58	11	945	20	360	1025	500	450	550	18.5	5	M63X1.5
280S(2P)	570	415	65	140	100	18	58	11	990	22	344	1080	500	450	550	18.5	5	M63X1.5
280S(4-6P)	570	415	75	140	100	20	67.5	12	990	22	344	1080	500	450	550	18.5	5	M63X1.5
280M(2P)	570	415	65	140	100	18	58	11	1045	22	344	1080	500	450	550	18.5	5	M63X1.5
280M(4-6P)	570	415	75	140	100	20	67.5	12	1045	22	344	1080	500	450	550	18.5	5	M63X1.5
315S(2P)	650	490	65	140	100	18	58	11	1185	24	417	1285	600	550	660	24	6	M63X1.5
315M(2P)	650	490	65	140	100	18	58	11	1295	24	417	1395	600	550	660	24	6	M63X1.5
315L(2P)	650	490	65	140	100	18	58	11	1295	24	417	1395	600	550	660	24	6	M63X1.5
315S(4-6P)	650	490	80	170	130	22	71	14	1215	24	417	1315	600	550	660	24	6	M63X1.5
315M(4-6P)	650	490	80	170	130	22	71	14	1325	24	417	1425	600	550	660	24	6	M63X1.5
315L(4-6P)	650	490	80	170	130	22	71	14	1325	24	417	1425	600	550	660	24	6	M63X1.5
355M(2P)V1	735	645	75	140	110	20	67.5	12	1620	25	420	1720	740	680	800	24	6	M63X1.5
355L1(2P)V1	735	645	75	140	110	20	67.5	12	1620	25	420	1720	740	680	800	24	6	M63X1.5
355L2,3(2P)V1	800	770	80	170	130	22	71	14	1870	25	472	1970	840	780	900	24	6	M63X1.5
355M(4-6P)V1	735	645	95	170	140	25	86	14	1650	25	450	1750	740	680	800	24	6	M63X1.5
355L1(4-6P)V1	735	645	95	170	140	25	86	14	1650	25	450	1750	740	680	800	24	6	M63X1.5
355L3-4P,L2-6P,V1	800	770	110	210	180	28	100	16	1940	25	512	2040	840	780	900	24	6	M63X1.5

Note: R=0

IE4-80-160 B14A



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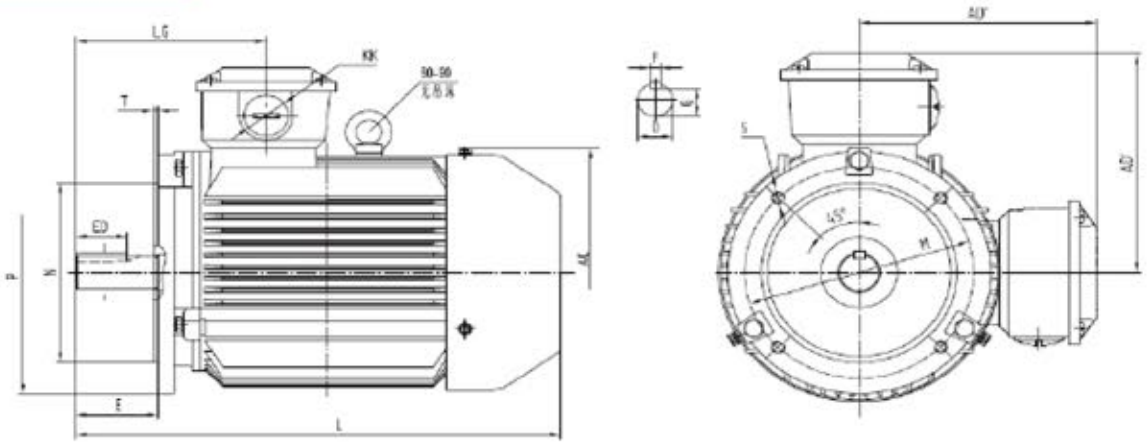


FRAME SIZE	AC	AD'	D	E	ED	F	G	GD	KK	L	LG	B14A					B14B				
												M	N	P	S	T	M	N	P	S	T
80M	175	155	19	40	22	6	15.5	6	M25X1.5	305	112	100	80	120	M6	3	130	110	160	M8	3.5
90S	195	175	24	50	32	8	20	7	M25X1.5	360	132	115	95	140	M8	3	130	110	160	M8	3.5
90L	195	175	24	50	32	8	20	7	M25X1.5	390	132	115	95	140	M8	3	130	110	160	M8	3.5
100L	215	180	28	60	40	8	24	7	M25X1.5	435	153	130	110	160	M8	3.5	165	130	200	M10	3.5
112M	240	190	28	60	40	8	24	7	2XM32X1.5	470	144	130	110	160	M8	3.5	165	130	200	M10	3.5
132S	275	210	38	80	56	10	33	8	2XM32X1.5	510	167	165	130	200	M10	3.5	215	180	250	M12	4
132M	275	210	38	80	56	10	33	8	2XM32X1.5	560	167	165	130	200	M10	3.5	215	180	250	M12	4
160M	330	255	42	110	80	12	37	8	2XM40X1.5	700	268	215	180	250	M12	4	-	-	-	-	-
160L	330	255	42	110	80	12	37	8	2XM40X1.5	700	268	215	180	250	M12	4	-	-	-	-	-

Y-H

SERIES MARINE THREE-PHASE INDUCTION MOTOR

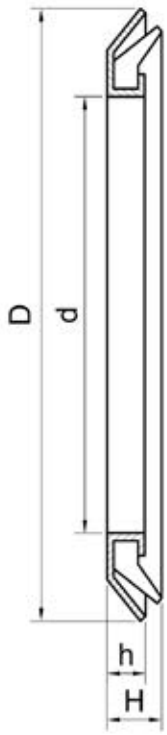
PRODUCT INTRODUCTION

Y-H series motors are totally enclosed fan cooled three phase asynchronous induction motor for marine use. The motors have good features of low noise, slight vibration, high locked-rotor torque and reliable operation. They can be used to drive various machines on ships, including pumps, ventilators, separators, hydraulic machines and other machines. The motors can also be used in hazardous areas with dewdrops, salt-fog, oil mist, fungi, vibration and shock.

SPECIFICATION

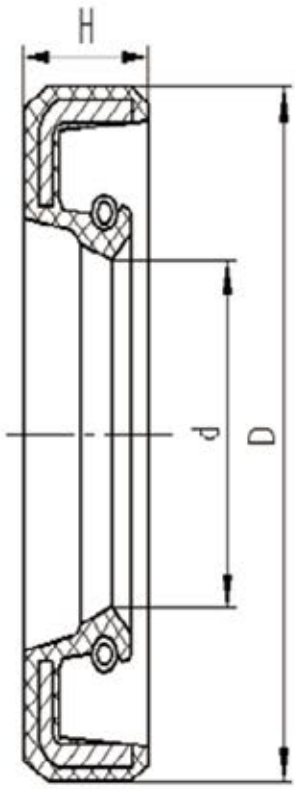
Frame size: H80-355mm
Rated power: 0.55kW-315kW
Voltage and frequency: 400V/ 50Hz
Degrees of protections: IP55
Degrees of insulation/Temperature rise: F/B
Installation Method: B3\ B5\B35\V1
Ambient temperature: -15℃~+40℃
Relative humidity should be less than 90%
Altitude should be lower than 1000 m above sea level
Cooling Method: IC411 、IC416、IC418、IC410

Oil Sealing



Frame	Type	d	D	h	H
80	RB20*35*4.0	Ø20	Ø35	3	6
90	RB25*40*4.0	Ø25	Ø40	3	6
100	RB30*47*4.5	Ø30	Ø47	3.5	6
112	RB30*47*4.5	Ø30	Ø47	3.5	6
132	RB40*57*4.5	Ø40	Ø57	3.5	6.5
160	RB45*62*4.5	Ø45	Ø62	3.5	6.5
180	RB55*75*5.5	Ø55	Ø75	4.5	6.5
200	RB60*80*5.5	Ø60	Ø80	4.5	6.5
225	RB65*85*5.5	Ø65	Ø85	4.5	8
250	RB70*90*5.5	Ø70	Ø90	4.5	8
280-2	RB70*90*5.5	Ø70	Ø90	4.5	8
280-4	RB85*105*5.5	Ø85	Ø105	4.5	8
315-2	RB80*100*5.5	Ø80	Ø100	4.5	8
315-4	RB95*115*5.5	Ø95	Ø115	4.5	8
355-2	RB95*115*5.5	Ø95	Ø115	4.5	8
355-4	RB110*130*5.5	Ø110	Ø130	4.5	8

Oil Sealing



Frame	Type	d	D	H
80	(F)B20X42X5	Ø20	Ø42	5
90	(F)B25X47X5	Ø25	Ø47	5
100	(F)B30X52X7	Ø30	Ø52	7
112	(F)B30X52X7	Ø30	Ø52	7
132	(F)B40X62X5	Ø40	Ø62	5
160	(F)B45X70X8	Ø45	Ø70	8
180	(F)B55X80X8	Ø55	Ø80	8
200	(F)B60X85X8	Ø60	Ø85	8
225	(F)B65X90X10	Ø65	Ø90	10
250	(F)B70X95X10	Ø70	Ø95	10
280-2	(F)B70X95X10	Ø70	Ø95	10
280-4.6.8	(F)B85X110X12	Ø85	Ø110	12
315-2	(F)B80X105X10	Ø80	Ø105	10
315-4.6.8	(F)B95X120X12	Ø95	Ø120	12
355-2	(F)B95X120X12	Ø95	Ø120	12
355-4.6.8	(F)B110X140X12	Ø110	Ø140	12
355L3-4P , L2-6P	(F)B120X150X12	Ø120	Ø150	12

2-pole, 3000 synchronous speed

Motor Type	Rated Power (kW)	Rated Speed r/min	Rated Current A	Rated Eff. η %	Power Factor cosφ	Rated Torque Nm	Ist / In	Tst / Tn	Tmax / Tn	Tmin / Tn	LW dB(A) no load	LW dB(A) load	Net Weight kg
80M1-2	0.75	2840	1.8	75.0	0.83	2.5	6.1	2.2	2.3	1.5	67	69	16
80M2-2	1.1	2840	2.6	76.2	0.84	3.7	6.9	2.2	2.3	1.5	67	69	17
90S-2	1.5	2850	3.5	78.5	0.84	5	7.0	2.2	2.3	1.5	72	74	20
90L-2	2.2	2850	4.9	81.0	0.85	7.4	7.0	2.2	2.3	1.4	72	74	25
100L-2	3	2880	6.3	82.6	0.87	10	7.5	2.2	2.3	1.4	76	78	30
112M-2	4	2880	8.2	84.2	0.88	13.3	7.5	2.2	2.3	1.4	77	79	38
132S1-2	5.5	2900	11.1	85.7	0.88	18.1	7.5	2.2	2.3	1.2	80	82	57
132S2-2	7.5	2900	14.9	87.0	0.88	24.5	7.5	2.2	2.3	1.2	80	82	60
160M1-2	11	2930	21.2	88.4	0.89	35.8	7.5	2.2	2.3	1.2	86	88	100
160M2-2	15	2930	28.6	89.4	0.89	48.8	7.5	2.2	2.3	1.2	86	88	110
160L-2	18.5	2930	34.7	90.0	0.90	60.4	7.5	2.2	2.3	1.1	86	88	125
180M-2	22	2940	41	90.5	0.90	71.4	7.5	2.0	2.3	1.1	89	91	175
200L1-2	30	2950	55.4	91.4	0.90	97.2	7.5	2.0	2.3	1.1	92	94	225
200L2-2	37	2950	67.9	92.0	0.90	120	7.5	2.0	2.3	1.1	92	94	245
225M-2	45	2970	82.1	92.5	0.90	145	7.5	2.0	2.3	1.0	92	94	280
250M-2	55	2970	99.8	93.0	0.90	177	7.5	2.0	2.3	1.0	93	95	380
280S-2	75	2970	135	93.6	0.90	241	7.0	2.0	2.3	0.9	94	96	510
280M-2	90	2970	160	93.9	0.91	290	7.1	2.0	2.3	0.9	94	96	580
315S-2	110	2980	195	94.0	0.91	353	7.1	1.8	2.2	0.9	96	98	850
315M-2	132	2980	233	94.5	0.91	423	7.1	1.8	2.2	0.9	96	98	945
315L1-2	160	2980	282	94.6	0.91	513	7.1	1.8	2.2	0.9	99	101	1020
315L2-2	200	2980	348	94.8	0.92	641	7.1	1.8	2.2	0.8	99	101	1180
355M-2	250	2980	434	95.2	0.92	802	7.1	1.6	2.2	0.8	103	105	1740
355L-2	315	2980	545	95.4	0.92	1010	7.1	1.6	2.2	0.8	103	105	1900

4-pole, 1500 synchronous speed

Motor Type	Rated Power (kW)	Rated Speed r/min	Rated Current A	Rated Eff. η %	Power Factor cosφ	Rated Torque Nm	Ist / In	Tst / Tn	Tmax / Tn	Tmin / Tn	LW dB(A) no load	LW dB(A) load	Net Weight kg
80M1-4	0.55	1390	1.6	71.0	0.75	3.8	5.2	2.4	2.3	1.7	58	63	17
80M2-4	0.75	1390	2.1	73.0	0.76	5.2	6.0	2.3	2.3	1.6	58	63	18
90S-4	1.1	1400	2.8	76.2	0.77	7.5	6.0	2.3	2.3	1.6	61	66	20
90L-4	1.5	1400	3.7	78.5	0.78	10.2	6.0	2.3	2.3	1.6	61	66	23
100L1-4	2.2	1420	5.1	81.0	0.81	14.8	7.0	2.3	2.3	1.5	64	69	30
100L2-4	3	1420	6.7	82.6	0.82	20.2	7.0	2.3	2.3	1.5	64	69	35
112M-4	4	1440	8.8	84.2	0.82	26.5	7.0	2.3	2.3	1.5	65	70	40
132S-4	5.5	1440	11.7	85.7	0.83	36.5	7.0	2.3	2.3	1.4	71	76	60
132M-4	7.5	1440	15.6	87.0	0.84	49.8	7.0	2.3	2.3	1.4	71	76	70
160M-4	11	1460	22.5	88.4	0.84	72	7.0	2.2	2.3	1.4	75	79	110
160L-4	15	1460	30	89.4	0.85	98.2	7.5	2.2	2.3	1.4	75	79	130
180M-4	18.5	1470	36.3	90.0	0.86	120	7.5	2.2	2.3	1.2	76	80	165
180L-4	22	1470	42.9	90.5	0.86	143	7.5	2.2	2.3	1.2	76	80	180
200L-4	30	1470	58	91.4	0.86	195	7.2	2.2	2.3	1.2	79	83	240
225S-4	37	1480	70.2	92.0	0.87	239	7.2	2.2	2.3	1.2	81	85	280
225M-4	45	1480	85.0	92.5	0.87	291	7.2	2.2	2.3	1.1	81	85	310
250M-4	55	1480	103	93.0	0.87	355	7.2	2.2	2.3	1.1	83	86	400
280S-4	75	1480	138	93.6	0.88	484	6.8	2.2	2.3	1.0	86	89	540
280M-4	90	1480	165	93.9	0.88	581	6.8	2.2	2.3	1.0	86	89	620
315S-4	110	1480	201	94.5	0.88	710	6.9	2.1	2.2	1.0	93	96	870
315M-4	132	1480	240	94.8	0.88	852	6.9	2.1	2.2	1.0	93	96	990
315L1-4	160	1480	288	94.9	0.89	1032	6.9	2.1	2.2	1.0	97	100	1050
315L2-4	200	1480	360	94.9	0.89	1290	6.9	2.1	2.2	0.9	97	100	1250
355M1-4	220	1490	390	95.2	0.90	1411	6.9	2.1	2.2	0.9	101	104	1650
355M2-4	250	1490	443	95.2	0.90	1603	6.9	2.1	2.2	0.9	101	104	1750
355L1-4	280	1490	497	95.2	0.90	1796	7.1	2.1	2.2	0.9	101	104	1790
355L2-4	315	1490	559	95.2	0.90	2020	7.1	2.1	2.2	0.8	101	104	1900

6-pole, 1000 synchronous speed

Motor Type	Rated Power (kW)	Rated Speed r/min	Rated Current A	Rated Eff. η %	Power Factor cosφ	Rated Torque Nm	Ist / In	Tst / Tn	Tmax / Tn	Tmin / Tn	LW dB(A) no load	LW dB(A) load	Net Weight kg
80M1-6	0.37	890	1.3	62.0	0.70	4.0	4.7	1.9	2.0	1.5	54	61	15
80M2-6	0.55	890	1.8	65.0	0.72	5.9	4.7	1.9	2.1	1.5	54	61	17
90S-6	0.75	910	2.3	69.0	0.72	7.9	4.7	2.0	2.1	1.5	57	64	20
90L-6	1.1	910	3.2	72.0	0.73	11.5	5.3	2.0	2.1	1.3	57	64	23
100L-6	1.5	920	4	76.0	0.75	15.6	5.5	2.0	2.1	1.3	61	68	30
112M-6	2.2	940	5.6	79.0	0.76	22.4	5.5	2.0	2.1	1.3	65	72	38
132S-6	3	960	7.4	81.0	0.76	29.9	6.5	2.1	2.1	1.3	69	76	55
132M1-6	4	960	9.8	82.0	0.76	39.8	6.5	2.1	2.1	1.3	69	76	63
132M2-6	5.5	960	12.9	84.0	0.77	54.7	6.5	2.1	2.1	1.3	69	76	70
160M-6	7.5	970	17.2	86.0	0.77	73.9	6.5	2.0	2.1	1.3	73	80	105
160L-6	11	970	24.5	87.5	0.78	108	6.5	2.0	2.1	1.2	73	80	120
180L-6	15	970	31.6	89.0	0.81	148	7.0	2.0	2.1	1.2	73	80	175
200L1-6	18.5	970	38.6	90.0	0.81	182	7.0	2.1	2.1	1.2	76	82	220
200L2-6	22	970	44.7	90.0	0.83	217	7.0	2.0	2.1	1.2	76	82	235
225M-6	30	980	59.3	91.5	0.84	293	7.0	2.0	2.1	1.2	76	82	300
250M-6	37	980	71.1	92.0	0.86	361	7.0	2.1	2.1	1.2	78	84	370
280S-6	45	980	85.9	92.5	0.86	439	7.0	2.1	2.0	1.1	80	85	480
280M-6	55	980	105	92.8	0.86	536	7.0	2.1	2.0	1.1	80	85	535
315S-6	75	990	142	93.5	0.86	724	6.7	2.0	2.0	1.0	85	90	790
315M-6	90	990	170	93.8	0.86	869	6.7	2.0	2.0	1.0	85	90	880
315L1-6	110	990	207	94.0	0.86	1062	6.7	2.0	2.0	1.0	85	90	997
315L2-6	132	990	245	94.2	0.87	1274	6.7	2.0	2.0	1.0	85	90	1100
355M1-6	160	990	292	94.5	0.88	1544	6.7	1.9	2.0	1.0	92	96	1400
355M2-6	200	990	365	94.5	0.88	1930	6.7	1.9	2.0	0.9	92	96	1750
355L-6	250	990	457	94.5	0.88	2413	6.7	1.9	2.0	0.9	92	96	1950

8-pole, 750 synchronous speed

Motor Type	Rated Power (kW)	Rated Speed r/min	Rated Current A	Rated Eff. η %	Power Factor cosφ	Rated Torque Nm	Ist / In	Tst / Tn	Tmax / Tn	Tmin / Tn	LW dB(A) no load	LW dB(A) load	Net Weight kg
80M1-8	0.18	630	0.9	51.0	0.61	2.8	3.3	1.8	1.9	1.3	52	60	15
80M2-8	0.25	640	1.2	54.0	0.61	3.7	3.3	1.8	1.9	1.3	52	60	17
90S-8	0.37	660	1.5	62.0	0.61	5.4	4	1.8	1.9	1.3	56	64	20
90L-8	0.55	660	2.2	63.0	0.61	8.0	4	1.8	2.0	1.3	56	64	23
100L1-8	0.75	690	2.4	70.0	0.67	10.4	4	1.8	2.0	1.3	59	67	30
100L2-8	1.1	690	3.4	72.0	0.69	15.2	5	1.8	2.0	1.2	59	67	35
112M-8	1.5	690	4.4	74.0	0.70	20.8	5	1.8	2.0	1.2	61	69	40
132S-8	2.2	710	6.0	79.0	0.71	29.6	6	1.8	2.0	1.2	64	72	52
132M-8	3	710	7.8	80.0	0.73	40.4	6	1.8	2.0	1.2	64	72	60
160M1-8	4	720	10.3	81.0	0.73	53.1	6	1.9	2.0	1.2	68	76	90
160M2-8	5.5	720	13.6	83.0	0.74	73.0	6	1.9	2.0	1.2	68	76	105
160L-8	7.5	720	17.8	85.5	0.75	99.5	6	1.9	2.0	1.2	68	76	120
180L-8	11	730	25.5	87.5	0.75	144	6.5	2.0	2.0	1.1	70	78	150
200L-8	15	730	34.1	88.0	0.76	196	6.6	2.0	2.0	1.1	73	80	215
225S-8	18.5	730	41.1	90.0	0.76	242	6.6	1.9	2.0	1.1	73	80	265
225M-8	22	740	47.4	90.5	0.78	284	6.6	1.9	2.0	1.1	73	80	295
250M-8	30	740	63.4	91.0	0.79	387	6.5	1.9	2.0	1.1	75	82	380
280S-8	37	740	77.8	91.5	0.79	478	6.6	1.9	2.0	1.1	76	83	485
280M-8	45	740	94.1	92.0	0.79	581	6.6	1.9	2.0	1.0	76	83	570
315S-8	55	740	111	92.8	0.81	710	6.6	1.8	2.0	1.0	82	88	750
315M-8	75	740	150	93.5	0.81	968	6.2	1.8	2.0	0.9	82	88	810
315L1-8	90	740	178	93.8	0.82	1162	6.4	1.8	2.0	0.9	82	88	1000
315L2-8	110	740	217	94.0	0.82	1420	6.4	1.8	2.0	0.9	82	88	1180
355M1-8	132	740	261	93.7	0.82	1704	6.4	1.8	2.0	0.9	90	95	1500
355M2-8	160	740	315	94.2	0.82	2066	6.4	1.8	2.0	0.9	90	95	1800
355L-8	200	740	387	94.5	0.83	2582	6.4	1.8	2.0	0.9	90	95	1900

YVF2

SERIES CONVERTER-FED THREE-PHASE INDUCTION MOTOR

PRODUCT INTRODUCTION

YVF2 series motors use squirrel-cage rotor structure and stand out for reliable operation and easy maintenance. Together with the variable frequency inverters, the motor system can realize a range of speed adjustment which can save energy and achieve automatic controlling. If fitted with highly accurate sensors, the system can achieve high precision closed loop control. YVF2 series motors are suitable for various operation systems where speed regulation is needed, such as light industry, textile, chemistry, metallurgy, crane, machine tool and so on.

SPECIFICATION

Frame size: H80-355mm
Rated power: 0.55kW-315kW
Voltage and frequency: 400V/ 50Hz
Running zone for constant torque & constant power : 5-50Hz & 50-100Hz
Degrees of protections: IP55
Degrees of insulation/Temperature rise: F/B
Installation Method: B3\ B5\B35\V1
Ambient temperature: -15℃~+40℃
Relative humidity should be less than 90%
Altitude should be lower than 1000 m above sea level
Cooling Method: IC411 、IC416、IC418、IC410

YVF2

4-pole, 1500 r/min synchronous speed

Motor Type	Rated Power (kW)	Rated Current A	Rated Torque N·m	Tmax / Tn	Rated speed r/min	Weight kg	
						IC416	IC411
YVF2-90S-4	1.1	2.8	7.5	2.8	1395	24	22
YVF2-90L-4	1.5	3.9	10.2	2.8	1410	29	27
YVF2-100L1-4	2.2	5.0	14.7	2.8	1430	36	34
YVF2-100L2-4	3	6.8	20	2.8	1430	40	38
YVF2-112M-4	4	8.8	26.5	2.8	1440	48	44
YVF2-132S-4	5.5	11.5	36.4	2.8	1445	70	61
YVF2-132M-4	7.5	15.5	49.6	2.8	1445	82	73
YVF2-160M-4	11	22.5	72.5	2.8	1450	125	113
YVF2-160L-4	15	29.7	98.8	2.8	1450	145	133
YVF2-180M-4	18.5	36.5	121	2.8	1465	187	167
YVF2-180L-4	22	42.5	143	2.8	1465	201	181
YVF2-200L-4	30	58.5	195	2.8	1470	257	232
YVF2-225S-4	37	72.8	240	2.8	1470	317	287
YVF2-225M-4	45	84.7	291	2.8	1475	352	322
YVF2-250M-4	55	104	356	2.8	1475	411	381
YVF2-280S-4	75	136	484	2.8	1480	545	510
YVF2-280M-4	90	163	581	2.8	1480	635	600
YVF2-315S-4	110	205	708	2.8	1485	961	921
YVF2-315M-4	132	235	849	2.8	1485	1042	1002
YVF2-315L1-4	160	280	1029	2.8	1485	1110	1070
YVF2-315L2-4	200	360	1282	2.8	1490	1221	1181
YVF2-355M-4	250	445	1603	2.8	1490	1765	1725
YVF2-355L-4	315	558	2020	2.8	1490	1995	1955

YVF2

6-pole, 1000 r/min synchronous speed

Motor Type	Rated Power (kW)	Rated Current A	Rated Torque N·m	Tmax / Tn	Rated speed r/min	Weight kg	
						IC416	IC411
YVF2-90S-6	0.75	2.3	7.8	2.8	920	25	23
YVF2-90L-6	1.1	3.3	11.4	2.8	920	29	27
YVF2-100L-6	1.5	4.0	15.4	2.8	930	36	34
YVF2-112M-6	2.2	6.0	22.2	2.8	945	43	41
YVF2-132S-6	3	7.4	29.7	2.8	965	60	56
YVF2-132M1-6	4	9.5	39.6	2.8	965	79	70
YVF2-132M2-6	5.5	12.6	54.5	2.8	965	83	74
YVF2-160M-6	7.5	18.2	73.9	2.8	970	120	108
YVF2-160L-6	11	26.5	108	2.8	970	143	131
YVF2-180L-6	15	31.3	147	2.8	975	191	171
YVF2-200L1-6	18.5	38.5	180	2.8	980	246	221
YVF2-200L2-6	22	45.4	214	2.8	980	255	225
YVF2-225M-6	30	58.8	291	2.8	985	322	292
YVF2-250M-6	37	69.2	359	2.8	985	438	408
YVF2-280S-6	45	84.2	436	2.8	985	500	465
YVF2-280M-6	55	102	533	2.8	985	575	540
YVF2-315S-6	75	143	724	2.8	990	901	861
YVF2-315M-6	90	173	869	2.8	990	980	940
YVF2-315L1-6	110	206	1062	2.8	990	1150	1110
YVF2-315L2-6	132	250	1274	2.8	990	1215	1175
YVF2-355M1-6	160	295	1544	2.8	990	1735	1695
YVF2-355M2-6	200	370	1930	2.8	990	1915	1875
YVF2-355L-6	250	456	2413	2.8	990	2025	1985

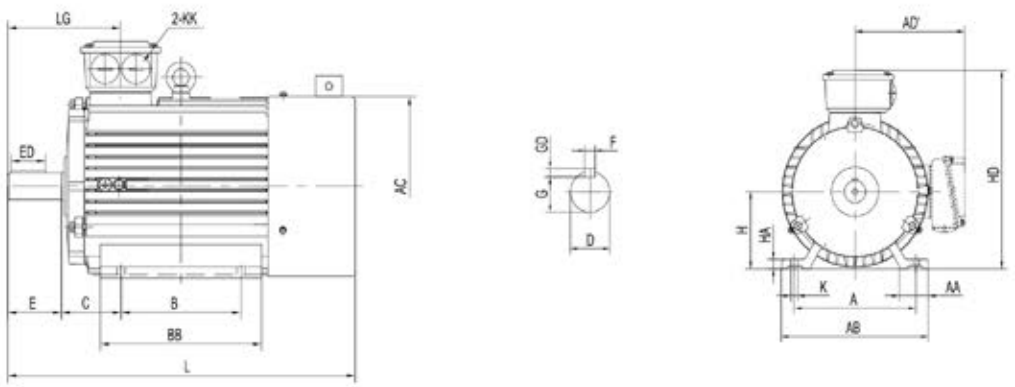
YVF2

8-pole,750 r/min synchronous speed

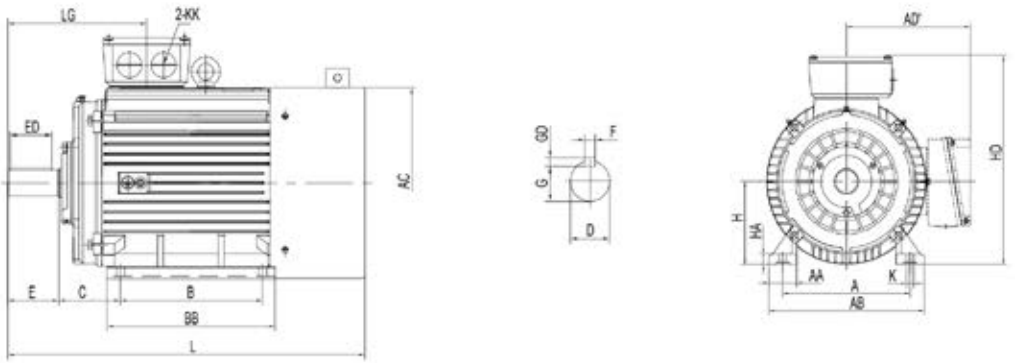
Motor Type	Rated Power (kW)	Rated Current A	Rated Torque N·m	Tmax / Tn	Rated speed r/min	Weight kg	
						IC416	IC411
YVF2-132S-8	2.2	5.7	29.4	2.8	715	70	61
YVF2-132M-8	3	7.5	40.1	2.8	715	74	65
YVF2-160M1-8	4	9.6	53.1	2.8	720	106	94
YVF2-160M2-8	5.5	13.3	73	2.8	720	118	106
YVF2-160L-8	7.5	17	99.5	2.8	720	140	128
YVF2-180L-8	11	30.2	145	2.8	725	190	170
YVF2-200L-8	15	33.8	196	2.8	730	255	230
YVF2-225S-8	18.5	40.5	242	2.8	730	297	267
YVF2-225M-8	22	46.5	286	2.8	735	319	289
YVF2-250M-8	30	62.5	390	2.8	735	395	365
YVF2-280S-8	37	75.6	481	2.8	735	510	475
YVF2-280M-8	45	93.5	585	2.8	735	590	555
YVF2-315S-8	55	112	710	2.8	740	945	905
YVF2-315M-8	75	150	968	2.8	740	1021	981
YVF2-315L1-8	90	180	1162	2.8	740	1141	1071
YVF2-315L2-8	110	215	1420	2.8	740	1200	1160
YVF2-355M1-8	132	250	1693	2.8	745	1845	1805
YVF2-355M2-8	160	300	2052	2.8	745	1935	1895
YVF2-355L-8	200	380	2565	2.8	745	2085	2045

DIMENSIONS MOUNT B3

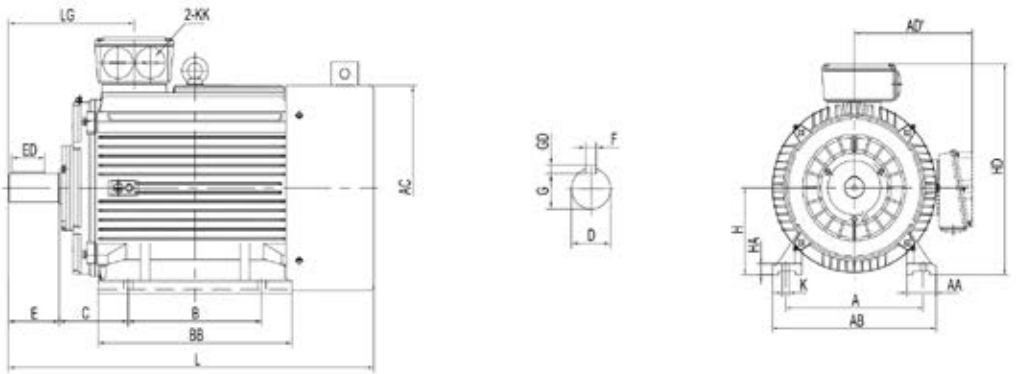
YVF2-90-132



YVF2-160-200



YVF2-225-280



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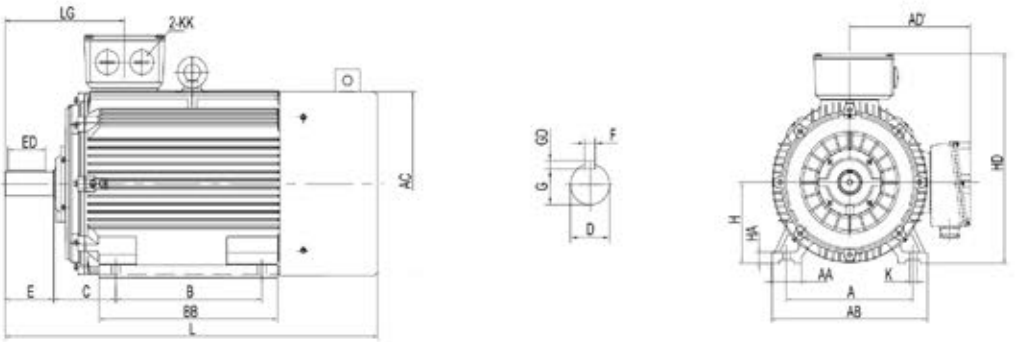


YVF2

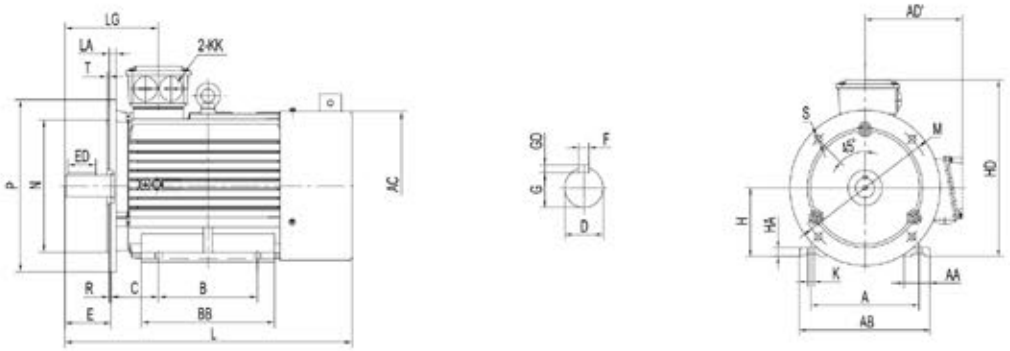
DIMENSIONS MOUNT B3

(4-8P)

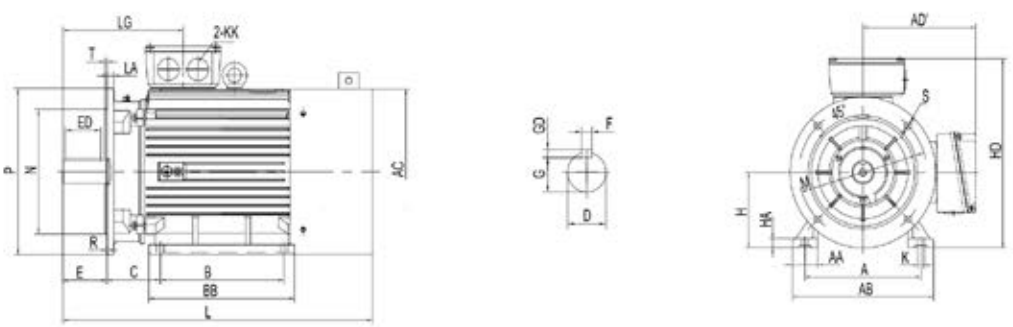
Frame	A	AA	AB	AC	AD'	B	BB	C	D	E	ED	F	G	GD	H	HA	HD	K	KK	L	LG
90S	140	36	180	190	165	100	135	56	24	50	32	8	20	7	90	12.5	260	10	M25×1.5	390	124
90L	140	36	180	190	165	125	160	56	24	50	32	8	20	7	90	12.5	260	10	M25×1.5	415	124
100L	160	40	200	215	170	140	182	63	28	60	40	8	24	7	100	14	275	12	M25×1.5	455	140
112M	190	45	230	236	195	140	195	70	28	60	40	8	24	7	112	14	310	12	M32×1.5	475	145
132S	216	52	265	275	215	140	205	89	38	80	56	10	33	8	132	16	350	12	M32×1.5	535	169
132M	216	52	265	275	215	178	245	89	38	80	56	10	33	8	132	16	350	12	M32×1.5	575	169
160M	254	65	320	330	265	210	260	108	42	110	80	12	37	8	160	19	425	14.5	M40×1.5	660	270
160L	254	65	320	330	265	254	305	108	42	110	80	12	37	8	160	19	425	14.5	M40×1.5	705	270
180M	279	70	350	380	280	241	285	121	48	110	80	14	42.5	9	180	22	440	14.5	M40×1.5	725	277
180L	279	70	350	380	280	279	325	121	48	110	80	14	42.5	9	180	22	440	14.5	M40×1.5	765	277
200L	318	80	390	420	315	305	355	133	55	110	80	16	49	10	200	25	505	18.5	M50×1.5	830	298
225S	356	75	435	465	335	286	350	149	60	140	100	18	53	11	225	28	550	18.5	M50×1.5	895	340
225M	356	75	435	465	335	311	375	149	60	140	100	18	53	11	225	28	550	18.5	M50×1.5	920	340
250M	406	100	485	520	370	349	450	168	65	140	100	18	58	11	250	33	635	24	M63×1.5	1025	357
280S	457	105	550	570	400	368	490	190	75	140	100	20	67.5	12	280	35	695	24	M63×1.5	1115	350
280M	457	105	550	570	400	419	540	190	75	140	100	20	67.5	12	280	35	695	24	M63×1.5	1165	350
315S	508	125	630	650	495	406	515	216	80	170	130	22	71	14	315	45	810	28	M63×1.5	1300	417
315M	508	125	630	650	495	457	625	216	80	170	130	22	71	14	315	45	810	28	M63×1.5	1410	417
315L	508	125	630	650	495	508	625	216	80	170	130	22	71	14	315	45	810	28	M63×1.5	1410	417
355M	610	125	735	735	640	560	850	254	95	170	140	25	86	14	355	49	1000	28	M63×1.5	1755	450
355L	610	125	735	735	640	630	850	254	95	170	140	25	86	14	355	49	1000	28	M63×1.5	1755	450

DIMENSIONS MOUNT B35

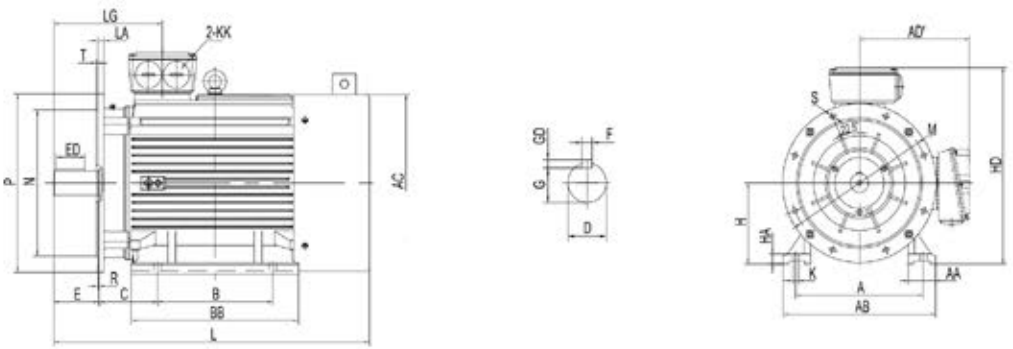
YVF2-90-132



YVF2-160-200



YVF2-225-280



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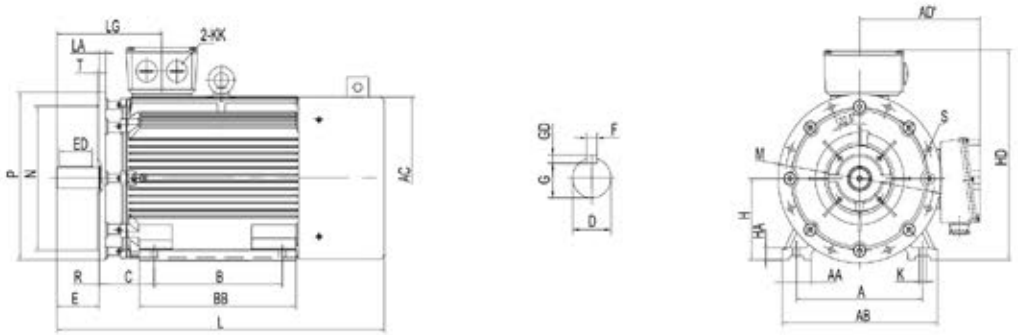


YVF2

DIMENSIONS MOUNT B35

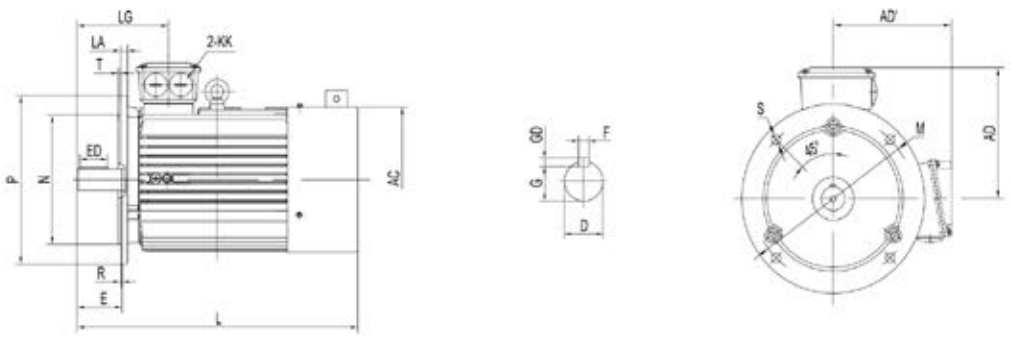
(4-8P)

FRAME	A	AA	AB	AC	AD'	B	BB	C	D	E	ED	F	G	GD	H	HA	HD	K	KK	L	LG	LA	M	N	P	S	T
90S	140	36	180	190	165	100	135	56	24	50	32	8	20	7	90	12.5	260	10	M25x1.5	390	124	12	165	130	200	12	3.5
90L	140	36	180	190	165	125	160	56	24	50	32	8	20	7	90	12.5	260	10	M25x1.5	415	124	12	165	130	200	12	3.5
100L	160	40	200	215	170	140	182	63	28	60	40	8	24	7	100	14	275	12	M25x1.5	455	140	14	215	180	250	14.5	4
112M	190	45	230	236	195	140	195	70	28	60	40	8	24	7	112	14	310	12	M32x1.5	475	145	14	215	180	250	14.5	4
132S	216	52	265	275	215	140	205	89	38	80	56	10	33	8	132	16	350	12	M32x1.5	535	169	14	265	230	300	14.5	4
132M	216	52	265	275	215	178	245	89	38	80	56	10	33	8	132	16	350	12	M32x1.5	575	169	14	265	230	300	14.5	4
160M	254	65	320	330	265	210	260	108	42	110	80	12	37	8	160	19	425	14.5	M40x1.5	660	270	15	300	250	350	18.5	5
160L	254	65	320	330	265	254	305	108	42	110	80	12	37	8	160	19	425	14.5	M40x1.5	705	270	15	300	250	350	18.5	5
180M	279	70	350	380	280	241	285	121	48	110	80	14	42.5	9	180	22	440	14.5	M40x1.5	725	277	15	300	250	350	18.5	5
180L	279	70	350	380	280	279	325	121	48	110	80	14	42.5	9	180	22	440	14.5	M40x1.5	765	277	15	300	250	350	18.5	5
200L	318	80	395	420	315	305	355	133	55	110	80	16	49	10	200	25	505	18.5	M50x1.5	830	298	17	350	300	400	18.5	5
225S	356	75	436	465	335	286	350	149	60	140	100	18	53	11	225	28	550	18.5	M50x1.5	895	340	20	400	350	450	18.5	5
225M	356	75	436	465	335	311	375	149	60	140	100	18	53	11	225	28	550	18.5	M50x1.5	920	340	20	400	350	450	18.5	5
250M	406	100	495	520	370	349	450	168	65	140	100	18	58	11	250	33	635	24	M63x1.5	1025	357	20	500	450	550	18.5	5
280S	457	105	550	570	400	368	490	190	75	140	100	20	67.5	12	280	35	695	24	M63x1.5	1115	350	22	500	450	550	18.5	5
280M	457	103	550	570	400	419	540	190	75	140	100	20	67.5	12	280	35	695	24	M63x1.5	1165	350	22	500	450	550	18.5	5
315S	508	125	630	650	495	406	515	216	80	170	130	22	71	14	315	45	810	28	M63x1.5	1300	417	24	600	550	660	24	6
315M	508	125	630	650	495	457	625	216	80	170	130	22	71	14	315	45	810	28	M63x1.5	1410	417	24	600	550	660	24	6
315L	508	125	630	650	495	508	625	216	80	170	130	22	71	14	315	45	810	28	M63x1.5	1410	417	24	600	550	660	24	6
355M	610	125	735	735	640	560	850	254	95	170	140	25	86	14	355	49	1000	28	M63x1.5	1755	450	25	740	680	800	24	6
355L	610	125	735	735	640	630	850	254	95	170	140	25	86	14	355	49	1000	28	M63x1.5	1755	450	25	740	680	800	24	6

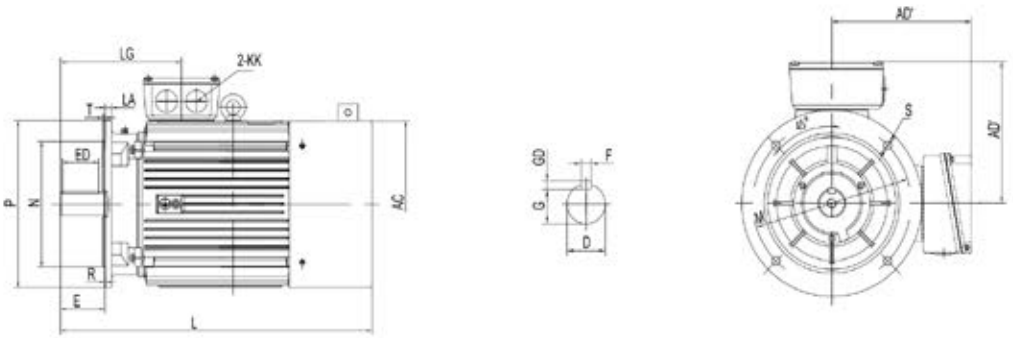
Note : R=0

DIMENSIONS MOUNT B5 & V1

YVF2-90-132



YVF2-160-200



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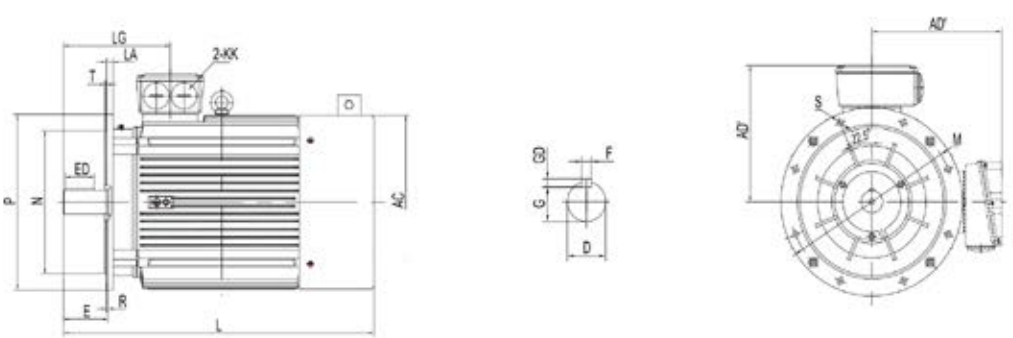
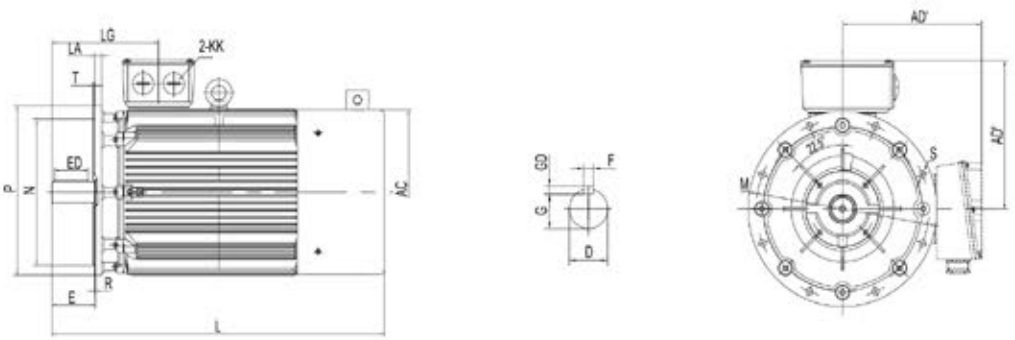


YVF2-315-355



YVF2

DIMENSIONS MOUNT B5 & V1

(4-8P)

FRAME	AC	AD'	D	E	ED	F	G	GD	KK	L	LA	LG	M	N	P	S	T
90S	190	165	24	50	32	8	20	7	M25x1.5	390	12	124	165	130	200	12	3.5
90L	190	165	24	50	32	8	20	7	M25x1.5	415	12	124	165	130	200	12	3.5
100L	215	170	28	60	40	8	24	7	M25x1.5	455	14	140	215	180	250	14.5	4
112M	236	195	28	60	40	8	24	7	M32x1.5	475	14	145	215	180	250	14.5	4
132S	275	215	38	80	56	10	33	8	M32x1.5	535	14	169	265	230	300	14.5	4
132M	275	215	38	80	56	10	33	8	M32x1.5	575	14	169	265	230	300	14.5	4
160M	330	265	42	110	80	12	37	8	M40x1.5	660	15	270	300	250	350	18.5	5
160L	330	265	42	110	80	12	37	8	M40x1.5	705	15	270	300	250	350	18.5	5
180M	380	280	48	110	80	14	42.5	9	M40x1.5	725	15	277	300	250	350	18.5	5
180L	380	280	48	110	80	14	42.5	9	M40x1.5	765	15	277	300	250	350	18.5	5
200L	420	315	55	110	80	16	49	10	M50x1.5	830	17	298	350	300	400	18.5	5
225S	465	335	60	140	100	18	53	11	M50x1.5	895	20	340	400	350	450	18.5	5
225M	465	335	60	140	100	18	53	11	M50x1.5	920	20	340	400	350	450	18.5	5
250M	520	370	65	140	100	18	58	11	M63x1.5	1025	20	357	500	450	550	18.5	5
280S	570	400	75	140	100	20	67.5	12	M63x1.5	1115	22	350	500	450	550	18.5	5
280M	570	400	75	140	100	20	67.5	12	M63x1.5	1165	22	350	500	450	550	18.5	5
315S	650	495	80	170	130	22	71	14	M63x1.5	1300	24	417	600	550	660	24	6
315M	650	495	80	170	130	22	71	14	M63x1.5	1410	24	417	600	550	660	24	6
315L	650	495	80	170	130	22	71	14	M63x1.5	1410	24	417	600	550	660	24	6
355M V1	735	640	95	170	140	25	86	14	M63x1.5	-	25	450	740	680	800	24	6
355L V1	735	640	95	170	140	25	86	14	M63x1.5	-	25	450	740	680	800	24	6

Note : R=0

TECHNICAL DATA TABLE FOR VENTILATOR

Frame	Type	kW	r/min	Pa	m^3/h	LW dB(A)
80	G80A	30	2300	70	330	62
90	G90A	42	2800	80	500	65
100	G100A	52	2800	82	660	67
112	G112A	60	2800	90	900	70
132	G132A	40	1400	50	780	70
160	G160A	120	1400	50	1300	70
180	G180A	120	1400	55	1300	70
200	G200A	370	1400	100	2400	70
225	G225A	370	1400	150	4200	74
250	G250A	370	1400	150	4200	77
280	G280A	450	1250	150	5000	77
315	G315A	450	1250	180	6200	85
355	G355A	650	1350	180	6500	88

YD

SERIES CHANGE-POLE MULTI-SPEED THREE PHASE INDUCTION MOTOR

PRODUCT INTRODUCTION

YD series motors are derived from IE1 series motors. By changing the winding connection, the motors can obtain different output and speed to match the load characteristics of machinery. They can drive equipment with high efficiency. YD series motors can be widely used in machine tools, mining, metallurgy, textile, printing and dyeing, chemical industry and agricultural machinery and other industries.

SPECIFICATION

Frame size: H80-355mm
Rated power: 0.45kW-82kW
Voltage and frequency: 400V/ 50Hz
Degrees of protections: IP55
Degrees of insulation/Temperature rise: F/B
Installation Method: B3\ B5\B35\V1
Ambient temperature: -15℃~+40℃
Relative humidity should be less than 90%
Altitude should be lower than 1000 m above sea level
Cooling Method: IC411 、IC416、IC418、IC410

4/2 pole, 1500/3000 synchronous speed

Motor Type	Pole	Rated Power kW	Rated Current A	Rated Eff. η %	Power Factor cosφ	Ist / In	Tst / Tn	Tmax / Tn	Tmin / Tn	LW dB(A) no load
YD801-4/2	4	0.45	1.4	66.0	0.74	6.5	1.5	1.8	0.8	79
	2	0.55	1.5	65.0	0.85	7	1.7	1.8	0.5	79
YD802-4/2	4	0.55	1.7	68.0	0.74	6.5	1.6	1.8	0.8	79
	2	0.75	2.0	66.0	0.85	7	1.8	1.8	0.5	79
YD90S-4/2	4	0.85	2.3	74.0	0.77	6.5	1.8	1.8	0.8	79
	2	1.1	2.8	71.0	0.85	7	1.9	1.8	0.5	79
YD90L-4/2	4	1.3	3.3	76.0	0.78	6.5	1.8	1.8	0.8	83
	2	1.8	4.4	73.0	0.85	7	2	1.8	0.5	83
YD100L1-4/2	4	2	4.8	78.0	0.81	6.5	1.7	1.8	0.8	87
	2	2.4	5.6	76.0	0.86	7	1.9	1.8	0.5	87
YD100L2-4/2	4	2.4	5.6	79.0	0.83	6.5	1.6	1.8	0.8	91
	2	3	6.7	77.0	0.89	7	1.7	1.8	0.5	91
YD112M-4/2	4	3.3	7.4	82.0	0.83	6.5	1.9	1.8	0.8	91
	2	4	8.6	79.0	0.89	7	2	1.8	0.5	91
YD132S-4/2	4	4.5	9.8	83.0	0.84	6.5	1.7	1.8	0.8	91
	2	5.5	11.9	79.0	0.89	7	1.8	1.8	0.5	91
YD132M-4/2	4	6.5	13.8	84.0	0.85	6.5	1.7	1.8	0.8	91
	2	8	17.1	80.0	0.89	7	1.8	1.8	0.5	91
YD160M-4/2	4	9	18.5	87.0	0.85	6.5	1.6	1.8	0.8	95
	2	11	22.9	82.0	0.89	7	1.8	1.8	0.5	95
YD160L-4/2	4	11	22.3	87.0	0.86	6.5	1.7	1.8	0.8	95
	2	14	28.8	82.0	0.90	7	1.9	1.8	0.5	95
YD180M-4/2	4	15	29.4	89.0	0.87	6.5	1.8	1.8	0.8	95
	2	18.5	36.7	85.0	0.90	7	1.9	1.8	0.5	95
YD180L-4/2	4	18.5	35.9	89.0	0.88	6.5	1.6	1.8	0.8	95
	2	22	42.7	86.0	0.91	7	1.8	1.8	0.5	95
YD200L-4/2	4	26	49.9	89.0	0.89	6.5	1.4	1.8	0.8	98
	2	30	58.3	85.0	0.92	7	1.6	1.8	0.5	98
YD225S-4/2	4	32	60.7	90.0	0.89	6.5	1.4	1.8	0.8	100
	2	37	71.1	86.0	0.92	7	1.6	1.8	0.5	100
YD225M-4/2	4	37	69.4	91.0	0.89	6.5	1.4	1.8	0.8	100
	2	45	86.4	86.0	0.92	7	1.6	1.8	0.5	100
YD250M-4/2	4	45	84.4	91.0	0.89	6.5	1.6	1.8	0.8	100
	2	52	98.7	87.0	0.92	7	1.6	1.8	0.5	100
YD280S-4/2	4	60	111	91.0	0.90	6.5	1.4	1.8	0.8	102
	2	72	135	88.0	0.92	7	1.5	1.8	0.5	102
YD280M-4/2	4	72	134	91.0	0.90	6.5	1.4	1.8	0.8	102
	2	82	152	88.0	0.93	7	1.5	1.8	0.5	102

6/4 pole, 1000/1500 synchronous speed

Motor Type	Pole	Rated Power kW	Rated Current A	Rated Eff. η %	Power Factor cosφ	Ist / In	Tst / Tn	Tmax / Tn	Tmin / Tn	LW dB(A) no load
YD90S-6/4	6	0.65	2.3	64.0	0.68	6.0	1.6	1.8	0.8	75
	4	0.85	2.3	70.0	0.79	6.5	1.4	1.8	0.5	75
YD90L-6/4	6	0.85	2.8	66.0	0.70	6.0	1.6	1.8	0.8	75
	4	1.1	3.0	71.0	0.79	6.5	1.5	1.8	0.5	75
YD100L1-6/4	6	1.3	3.8	74.0	0.70	6.0	1.7	1.8	0.8	78
	4	1.8	4.4	77.0	0.80	6.5	1.4	1.8	0.5	78
YD100L2-6/4	6	1.5	4.3	75.0	0.70	6.0	1.6	1.8	0.8	82
	4	2.2	5.4	77.0	0.80	6.5	1.4	1.8	0.5	82
YD112M-6/4	6	2.2	5.7	78.0	0.75	6.0	1.8	1.8	0.8	82
	4	2.8	6.7	77.0	0.82	6.5	1.5	1.8	0.5	82
YD132S-6/4	6	3	7.7	79.0	0.75	6.0	1.8	1.8	0.8	82
	4	4	9.5	78.0	0.82	6.5	1.7	1.8	0.5	82
YD132M-6/4	6	4	9.8	82.0	0.76	6.0	1.6	1.8	0.8	82
	4	5.5	12.3	80.0	0.85	6.5	1.4	1.8	0.5	82
YD160M-6/4	6	6.5	15.1	84.0	0.78	6.0	1.5	1.8	0.8	86
	4	8	17.6	82.0	0.84	6.5	1.5	1.8	0.5	86
YD160L-6/4	6	9	20.6	85.0	0.78	6.0	1.6	1.8	0.8	86
	4	11	23.7	83.0	0.85	6.5	1.7	1.8	0.5	86
YD180M-6/4	6	11	25.9	85.0	0.76	6.0	1.6	1.8	0.8	90
	4	14	29.8	84.0	0.85	6.5	1.7	1.8	0.5	90
YD180L-6/4	6	13	29.4	86.0	0.78	6.0	1.7	1.8	0.8	90
	4	16	33.6	85.0	0.85	6.5	1.7	1.8	0.5	90
YD200L-6/4	6	18.5	41.4	87.0	0.78	6.5	1.6	1.8	0.8	90
	4	22	44.9	86.5	0.86	7.0	1.5	1.8	0.5	90
YD225S-6/4	6	22	44.2	88.0	0.86	6.5	1.8	1.8	0.8	92
	4	28	56.5	86.5	0.87	7.0	1.8	1.8	0.5	92
YD225M-6/4	6	26	52.2	88.0	0.86	6.5	1.8	1.8	0.8	92
	4	32	63.2	85.5	0.90	7.0	1.8	1.8	0.5	92
YD250M-6/4	6	32	62.1	90.0	0.87	6.5	1.5	1.8	0.8	98
	4	42	81.1	86.5	0.91	7.0	1.3	1.8	0.5	98
YD280S-6/4	6	42	81.5	90.0	0.87	6.5	1.5	1.8	0.8	98
	4	55	107	87.0	0.90	7.0	1.3	1.8	0.5	98
YD280M-6/4	6	55	107	90.0	0.87	6.5	1.6	1.8	0.8	98
	4	67	132	87.0	0.89	7.0	1.3	1.8	0.5	98

8/4 pole, 750/1500 synchronous speed

Motor Type	Pole	Rated Power kW	Rated Current A	Rated Eff. η %	Power Factor cosφ	Ist / In	Tst / Tn	Tmax / Tn	Tmin / Tn	LW dB(A) no load
YD90L-8/4	8	0.45	1.9	58.0	0.63	5.5	1.6	1.8	0.8	75
	4	0.75	1.8	72.0	0.87	6.5	1.4	1.8	0.5	75
YD100L-8/4	8	0.85	3.1	67.0	0.63	5.5	1.6	1.8	0.8	78
	4	1.5	3.5	74.0	0.88	6.5	1.4	1.8	0.5	78
YD112M-8/4	8	1.5	5	72.0	0.63	5.5	1.7	1.8	0.8	82
	4	2.4	5.3	78.0	0.88	6.5	1.7	1.8	0.5	82
YD132S-8/4	8	2.2	7	75.0	0.64	5.5	1.5	1.8	0.8	82
	4	3.3	7.1	80.0	0.88	6.5	1.7	1.8	0.5	82
YD132M-8/4	8	3	9.0	78.0	0.65	5.5	1.5	1.8	0.8	82
	4	4	9.4	82.0	0.89	6.5	1.6	1.8	0.5	82
YD160M-8/4	8	5	13.9	83.0	0.66	5.5	1.5	1.8	0.8	86
	4	7.5	15.2	84.0	0.89	6.5	1.6	1.8	0.5	86
YD160L-8/4	8	7	19	85.0	0.66	5.5	1.5	1.8	0.8	86
	4	11	21.8	86.0	0.89	6.5	1.6	1.8	0.5	86
YD180L-8/4	8	11	26.7	87.0	0.72	6.0	1.5	1.8	0.8	90
	4	17	32.3	88.0	0.91	7.0	1.5	1.8	0.5	90
YD200L1-8/4	8	14	33	87.0	0.74	6.0	1.8	1.8	0.8	90
	4	22	41.3	88.0	0.92	7.0	1.7	1.8	0.5	90
YD200L2-8/4	8	17	40.1	87.0	0.74	6.0	1.5	1.8	0.8	92
	4	26	48.8	88.0	0.92	7.0	1.7	1.8	0.5	92
YD225M-8/4	8	24	53.2	89.0	0.77	6.0	1.5	1.8	0.8	92
	4	34	66.7	88.0	0.88	7.0	1.5	1.8	0.5	92
YD250M-8/4	8	30	64.9	90.0	0.78	6.0	1.6	1.8	0.8	94
	4	42	78.8	89.0	0.91	7.0	1.7	1.8	0.5	94
YD280S-8/4	8	40	84	91.0	0.80	6.0	1.6	1.8	0.8	98
	4	55	102	90.0	0.91	7.0	1.7	1.8	0.5	98
YD280M-8/4	8	47	97	91.0	0.81	6.0	1.6	1.8	0.8	98
	4	67	123	90.0	0.92	7.0	1.7	1.8	0.5	98

8/6 pole, 750/1000 synchronous speed

Motor Type	Pole	Rated Power kW	Rated Current A	Rated Eff. η %	Power Factor cosφ	Ist / In	Tst / Tn	Tmax / Tn	Tmin / Tn	LW dB(A) no load
YD90S-8/6	8	0.35	1.6	56.0	0.60	5	1.8	1.8	0.8	73
	6	0.45	1.4	70.0	0.72	6	2.0	1.8	0.5	73
YD90L-8/6	8	0.45	1.9	59.0	0.60	5	1.7	1.8	0.8	73
	6	0.65	1.9	71.0	0.73	6	1.8	1.8	0.5	73
YD100L-8/6	8	0.75	2.9	65.0	0.60	5	1.8	1.8	0.8	73
	6	1.1	3.1	75.0	0.73	6	1.9	1.8	0.5	73
YD112M-8/6	8	1.3	4.5	72.0	0.61	5	1.7	1.8	0.8	75
	6	1.8	4.8	78.0	0.73	6	1.9	1.8	0.5	75
YD132S-8/6	8	1.8	6	76.0	0.60	5	1.6	1.8	0.8	79
	6	2.4	6.3	80.0	0.72	6	1.9	1.8	0.5	79
YD132M-8/6	8	2.6	8.2	78.0	0.62	5	1.9	1.8	0.8	79
	6	3.7	9.4	82.0	0.73	6	1.9	1.8	0.5	79
YD160M-8/6	8	4.5	13.3	83.0	0.62	5	1.6	1.8	0.8	83
	6	6	14.7	85.0	0.73	6	1.9	1.8	0.5	83
YD160L-8/6	8	6	17.2	84.0	0.63	5	1.6	1.8	0.8	83
	6	8	19.4	86.0	0.73	6	1.9	1.8	0.5	83
YD180M-8/6	8	7.5	21.9	84.0	0.62	5	1.9	1.8	0.8	83
	6	10	24.2	86.0	0.73	6	1.9	1.8	0.5	83
YD180L-8/6	8	9	24.8	85.0	0.65	5	1.8	1.8	0.8	86
	6	12	28.3	86.0	0.75	6	1.8	1.8	0.5	86
YD200L1-8/6	8	12	32.6	86.0	0.65	5	1.8	1.8	0.8	88
	6	17	39.1	87.0	0.76	6	2.0	1.8	0.5	88
YD200L2-8/6	8	15	40.3	87.0	0.65	5	1.8	1.8	0.8	88
	6	20	45.4	88.0	0.76	6	2.0	1.8	0.5	88

YEJ
SERIES ELECTROMAGNETIC BREAKING THREE-PHASE INDUCTION MOTOR

PRODUCT INTRODUCTION

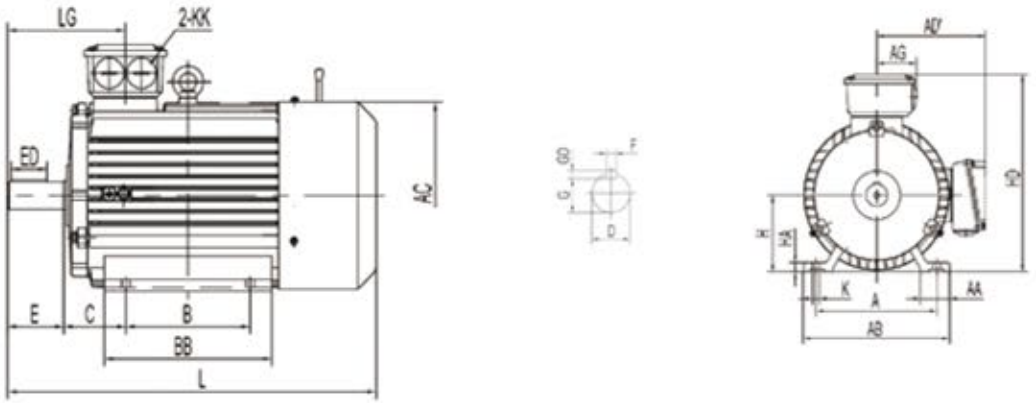
YEJ series motors are derived from IE1 series motors with fast braking, simple structure and high stability. They are widely used on mechanical equipment and driving machines where rapid and accurate braking is demanded, such as lathe machine, packing machine, wood machine, food processing equipment, chemical engineering, textile machine, architectural machine, gear reducer and so on.

SPECIFICATION

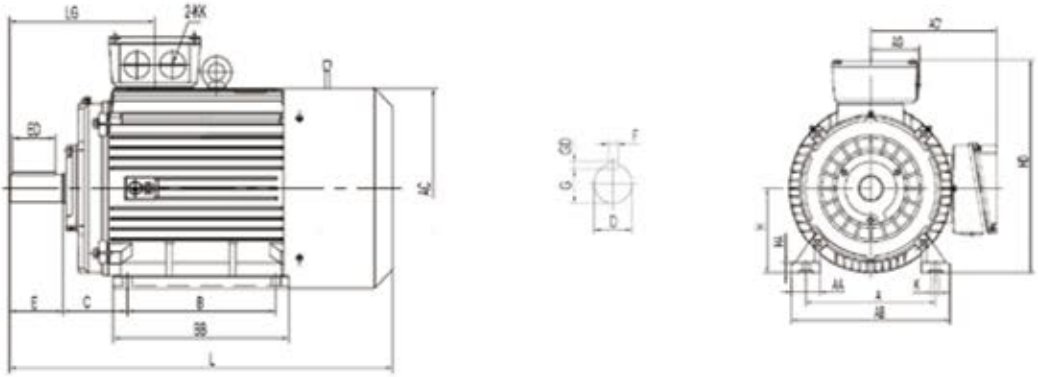
Frame size: H80-355mm
Rated power: 0.55kW-45kW
Voltage and frequency: 400V/ 50Hz
Degrees of protections: IP55(motor) IP23(braker)
Degrees of insulation/Temperature rise: F/B
Installation Method: B3\ B5\B35\V1
Ambient temperature: -15℃~+40℃
Relative humidity should be less than 90%
Altitude should be lower than 1000 m above sea level
Cooling Method: IC411 、IC416、IC418、IC410

DIMENSIONS MOUNT B3

YEJ80-132



YEJ160-200



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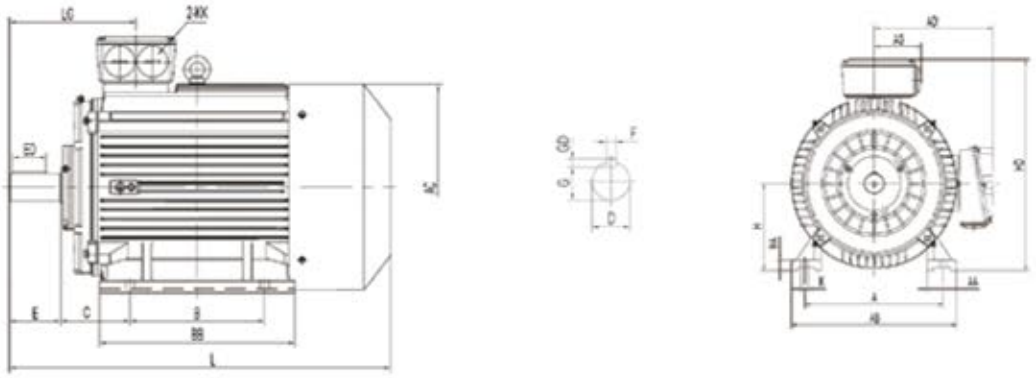

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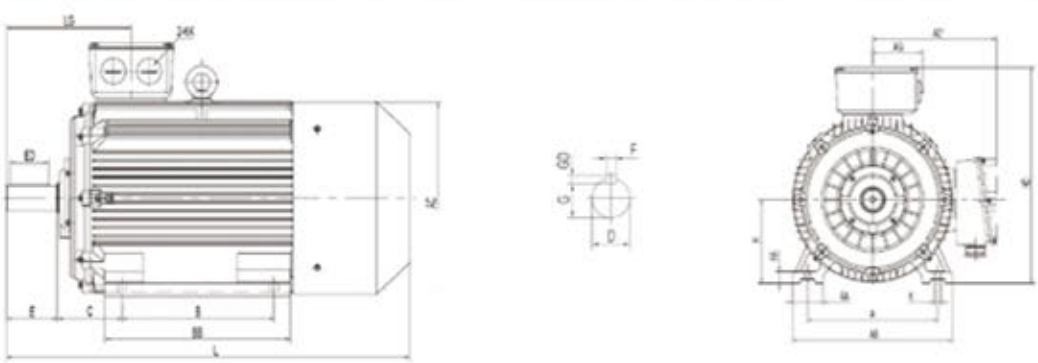


YEJ

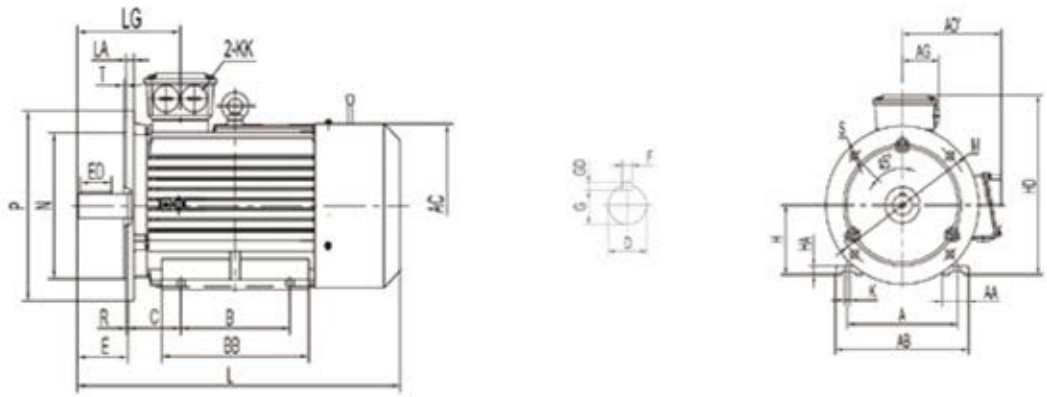
DIMENSIONS MOUNT B3

Frame	A	AA	AB	AC	AD'	B	BB	C	D	E	ED	F	G	GD	H	HA	HD	K	KK	L	LG
80M	125	34	160	175	150	100	130	50	19	40	22	6	15.5	6	80	10	230	10	M25×1.5	350	106
90S	140	36	180	190	165	100	135	56	24	50	32	8	20	7	90	12.5	260	10	M25×1.5	390	124
90L	140	36	180	190	165	125	160	56	24	50	32	8	20	7	90	12.5	260	10	M25×1.5	415	124
100L	160	40	200	215	170	140	182	63	28	60	40	8	24	7	100	14	275	12	M25×1.5	445	140
112M	190	45	230	236	195	140	195	70	28	60	40	8	24	7	112	14	310	12	M32×1.5	475	145
132S	216	52	265	275	215	140	205	89	38	80	56	10	33	8	132	16	350	12	M32×1.5	550	169
132M	216	52	265	275	215	178	245	89	38	80	56	10	33	8	132	16	350	12	M32×1.5	590	169
160M	254	65	320	330	265	210	260	108	42	110	80	12	37	8	160	19	425	14.5	M40×1.5	715	270
160L	254	65	320	330	265	254	305	108	42	110	80	12	37	8	160	19	425	14.5	M40×1.5	760	270
180M	279	70	350	380	280	241	285	121	48	110	80	14	42.5	9	180	22	440	14.5	M40×1.5	790	277
180L	279	70	350	380	280	279	325	121	48	110	80	14	42.5	9	180	22	440	14.5	M40×1.5	830	277
200L	318	80	390	420	315	305	355	133	55	110	80	16	49	10	200	25	505	18.5	M50×1.5	895	298
225S(4-8P)	356	75	435	465	335	286	350	149	60	140	100	18	53	11	225	28	550	18.5	M50×1.5	970	340
225M(2P)	356	75	435	465	335	311	375	149	55	110	80	16	49	10	225	28	550	18.5	M50×1.5	965	310
225M(4-8P)	356	75	435	465	335	311	375	149	60	140	100	18	53	11	225	28	550	18.5	M50×1.5	995	340
250M(2P)	406	100	485	520	375	349	450	168	60	140	100	18	53	11	250	33	635	24	M63×1.5	1075	357
250M(4-8P)	406	100	485	520	375	349	450	168	65	140	100	18	58	11	250	33	635	24	M63×1.5	1075	357
280S(2P)	457	105	550	570	405	368	490	190	65	140	100	18	58	11	280	35	695	24	M63×1.5	1135	350
280S(4-8P)	457	105	550	570	405	368	490	190	75	140	100	20	67.5	12	280	35	695	24	M63×1.5	1155	350
280M(2P)	457	105	550	570	405	419	540	190	65	140	100	18	58	11	280	35	695	24	M63×1.5	1190	350
280M(4-8P)	457	105	550	570	405	419	540	190	75	140	100	20	67.5	12	280	35	695	24	M63×1.5	1210	350
315S(2P)	508	125	630	650	500	406	515	216	65	140	100	18	58	11	315	45	810	28	M63×1.5	1335	387
315M(2P)	508	125	630	650	500	457	625	216	65	140	100	18	58	11	315	45	810	28	M63×1.5	1445	387
315L(2P)	508	125	630	650	500	508	625	216	65	140	100	18	58	11	315	45	810	28	M63×1.5	1445	387
315S(4-8P)	508	125	630	650	500	406	515	216	80	170	130	22	71	14	315	45	810	28	M63×1.5	1365	417
315M(4-8P)	508	125	630	650	500	457	625	216	80	170	130	22	71	14	315	45	810	28	M63×1.5	1475	417
315L(4-8P)	508	120	630	650	500	508	625	216	80	170	130	22	71	14	315	45	810	28	M63×1.5	1475	417
355M(2P)	610	125	735	735	645	560	850	254	75	140	110	20	67.5	12	355	49	1000	28	M63×1.5	1850	420
355L(2P)	610	125	735	735	645	630	850	254	75	140	110	20	67.5	12	355	49	1000	28	M63×1.5	1850	420
355M(4-8P)	610	125	735	735	645	560	850	254	95	170	140	25	86	14	355	49	1000	28	M63×1.5	1880	450
355L(4-8P)	610	125	735	735	645	630	850	254	95	170	140	25	86	14	355	49	1000	28	M63×1.5	1880	450

Note : R=0

DIMENSIONS MOUNT B35

YEJ80-132



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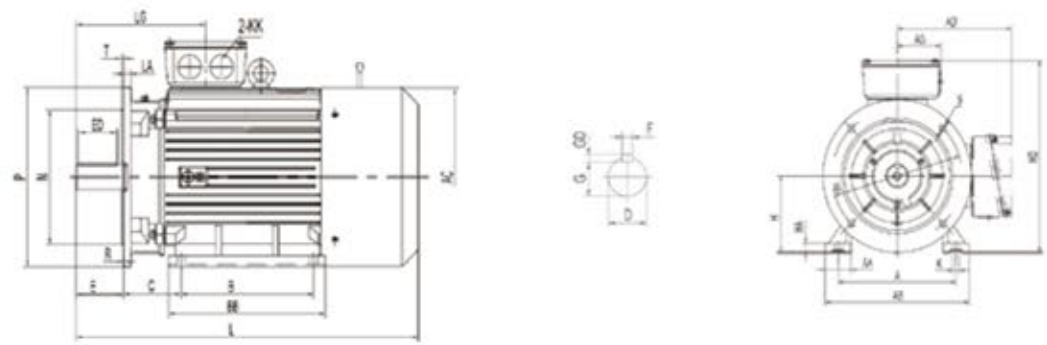

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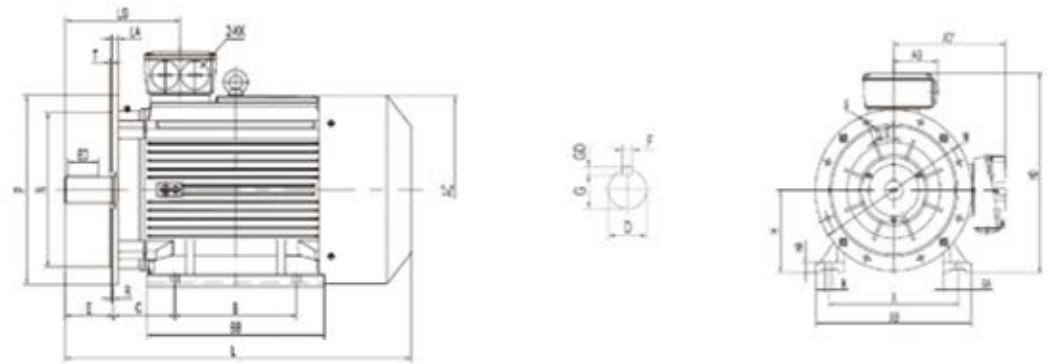

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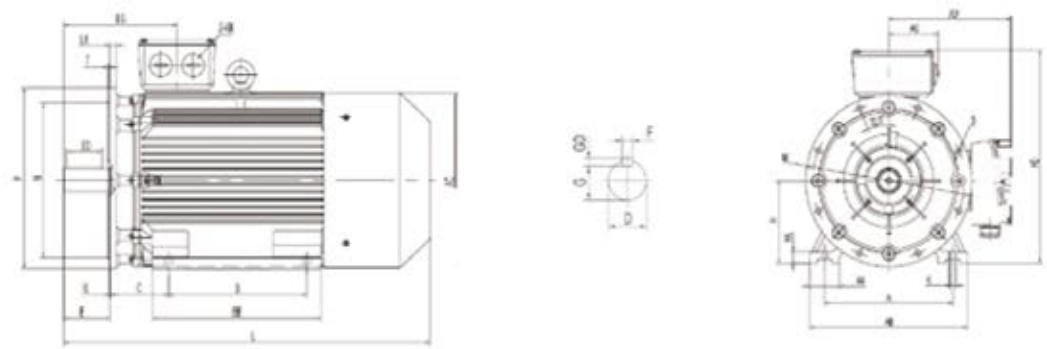


YEJ

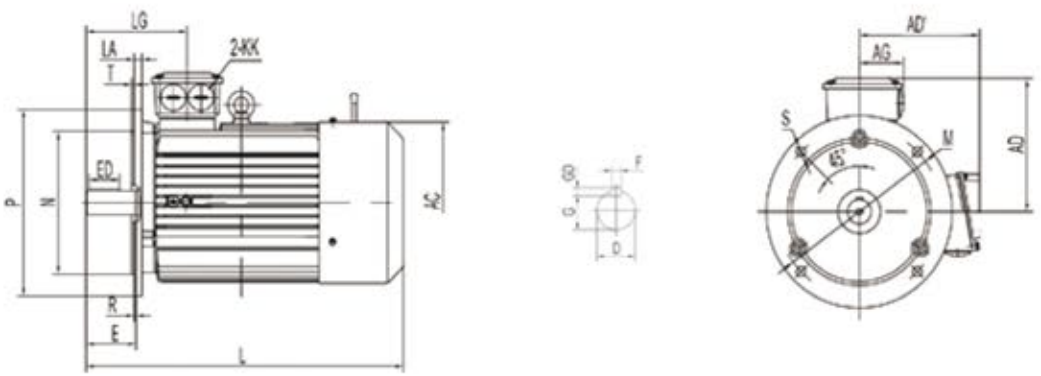
DIMENSIONS MOUNT B35

Frame	A	AA	AB	AC	AD'	B	BB	C	D	E	ED	F	G	GD	H	HA	HD	K	KK	L	LG	LA	M	N	P	S	T
80M	125	34	160	175	150	100	130	50	19	40	22	6	15.5	6	80	10	230	10	M25x1.5	350	106	12	165	130	200	12	3.5
90S	140	36	180	190	165	100	135	56	24	50	32	8	20	7	90	12.5	260	10	M25x1.5	390	124	12	165	130	200	12	3.5
90L	140	36	180	190	165	125	160	56	24	50	32	8	20	7	90	12.5	260	10	M25x1.5	415	124	12	165	130	200	12	3.5
100L	160	40	200	215	170	140	182	63	28	60	40	8	24	7	100	14	275	12	M25x1.5	445	140	14	215	180	250	14.5	4
112M	190	45	230	236	195	140	195	70	28	60	40	8	24	7	112	14	310	12	M32x1.5	475	145	14	215	180	250	14.5	4
132S	216	52	265	275	215	140	205	89	38	80	56	10	33	8	132	16	350	12	M32x1.5	550	169	14	265	230	300	14.5	4
132M	216	52	265	275	215	178	245	89	38	80	56	10	33	8	132	16	350	12	M32x1.5	590	169	14	265	230	300	14.5	4
160M	254	65	320	330	265	210	260	108	42	110	80	12	37	8	160	19	425	14.5	M40x1.5	715	270	15	300	250	350	18.5	5
160L	254	65	320	330	265	254	305	108	42	110	80	12	37	8	160	19	425	14.5	M40x1.5	760	270	15	300	250	350	18.5	5
180M	279	70	350	380	280	241	285	121	48	110	80	14	42.5	9	180	22	440	14.5	M40x1.5	790	277	15	300	250	350	18.5	5
180L	279	70	350	380	280	279	325	121	48	110	80	14	42.5	9	180	22	440	14.5	M40x1.5	830	277	15	300	250	350	18.5	5
200L	318	80	395	420	315	305	355	133	55	110	80	16	49	10	200	25	505	18.5	M50x1.5	895	298	17	350	300	400	18.5	5
225S(4-8P)	356	75	436	465	335	286	350	149	60	140	100	18	53	11	225	28	550	18.5	M50x1.5	970	340	20	400	350	450	18.5	5
225M(2P)	356	75	436	465	335	311	375	149	55	110	80	16	49	10	225	28	550	18.5	M50x1.5	965	310	20	400	350	450	18.5	5
225M(4-8P)	356	75	436	465	335	311	375	149	60	140	100	18	53	11	225	28	550	18.5	M50x1.5	995	340	20	400	350	450	18.5	5
250M(2P)	406	100	495	520	375	349	450	168	60	140	100	18	53	11	250	33	635	24	M63x1.5	1075	357	20	500	450	550	18.5	5
250M(4-8P)	406	100	495	520	375	349	450	168	65	140	100	18	58	11	250	33	635	24	M63x1.5	1075	357	20	500	450	550	18.5	5
280S(2P)	457	105	550	570	405	368	490	190	65	140	100	18	58	11	280	35	695	24	M63x1.5	1135	350	22	500	450	550	18.5	5
280S(4-8P)	457	105	550	570	405	368	490	190	75	140	100	20	67.5	12	280	35	695	24	M63x1.5	1155	350	22	500	450	550	18.5	5
280M(2P)	457	105	550	570	405	419	540	190	65	140	100	18	58	11	280	35	695	24	M63x1.5	1190	350	22	500	450	550	18.5	5
280M(4-8P)	457	105	550	570	405	419	540	190	75	140	100	20	67.5	12	280	35	695	24	M63x1.5	1210	350	22	500	450	550	18.5	5
315S(2P)	508	125	630	650	500	406	515	216	65	140	100	18	58	11	315	45	810	28	M63x1.5	1335	387	24	600	550	660	24	6
315M(2P)	508	125	630	650	500	457	625	216	65	140	100	18	58	11	315	45	810	28	M63x1.5	1445	387	24	600	550	660	24	6
315L(2P)	508	125	630	650	500	508	625	216	65	140	100	18	58	11	315	45	810	28	M63x1.5	1445	387	24	600	550	660	24	6
315S(4-8P)	508	125	630	650	500	406	515	216	80	170	130	22	71	14	315	45	810	28	M63x1.5	1365	417	24	600	550	660	24	6
315M(4-8P)	508	125	630	650	500	457	625	216	80	170	130	22	71	14	315	45	810	28	M63x1.5	1475	417	24	600	550	660	24	6
315L(4-8P)	508	125	630	650	500	508	625	216	80	170	130	22	71	14	315	45	810	28	M63x1.5	1475	417	24	600	550	660	24	6
355M(2P)	610	125	735	735	645	560	850	254	75	140	110	20	67.5	12	355	49	1000	28	M63x1.5	1850	420	25	740	680	800	24	6
355L(2P)	610	125	735	735	645	630	850	254	75	140	110	20	67.5	12	355	49	1000	28	M63x1.5	1850	420	25	740	680	800	24	6
355M(4-8P)	610	125	735	735	645	560	850	254	95	170	140	25	86	14	355	49	1000	28	M63x1.5	1880	450	25	740	680	800	24	6
355L(4-8P)	610	125	735	735	645	630	850	254	95	170	140	25	86	14	355	49	1000	28	M63x1.5	1880	450	25	740	680	800	24	6

Note : R=0

DIMENSIONS MOUNT B5 & V1

YEJ80-132



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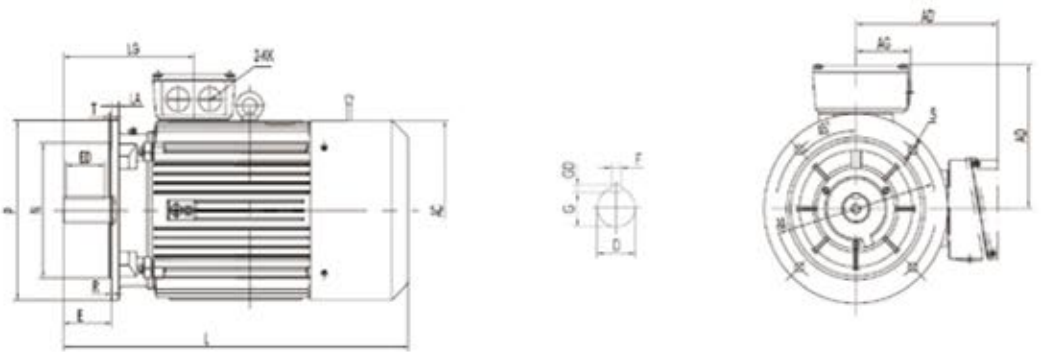

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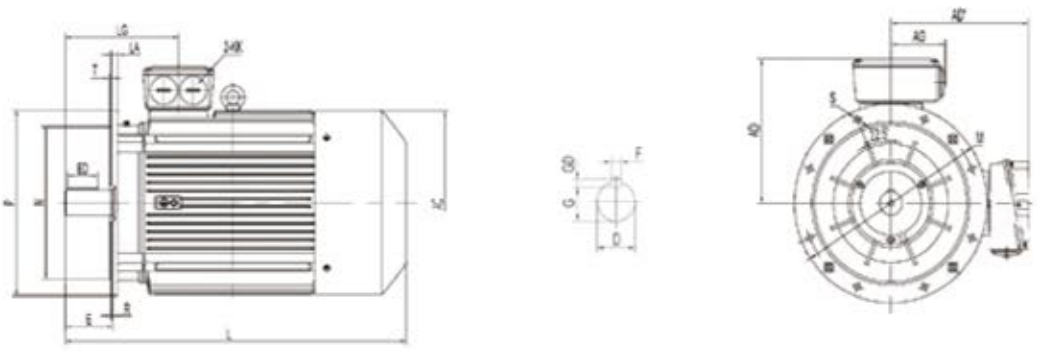

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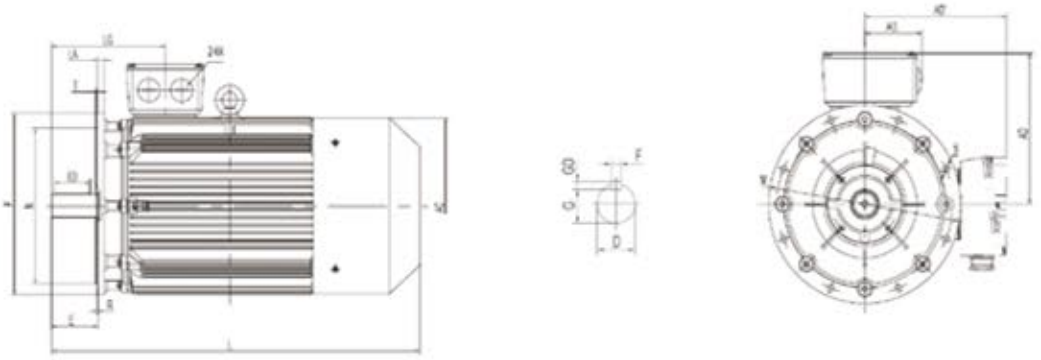

YEJ

DIMENSIONS MOUNT B5 & V1

FRAME	AC	AD'	D	E	ED	F	G	GD	KK	L	LM	LA	LG	M	N	P	S	T
80M	175	150	19	40	22	6	15.5	6	M25x1.5	350	390	12	106	165	130	200	12	3.5
90S	190	165	24	50	32	8	20	7	M25x1.5	390	430	12	124	165	130	200	12	3.5
90L	190	165	24	50	32	8	20	7	M25x1.5	415	455	12	124	165	130	200	12	3.5
100L	215	170	28	60	40	8	24	7	M25x1.5	445	495	14	140	215	180	250	14.5	4
112M	236	195	28	60	40	8	24	7	M32x1.5	475	525	14	145	215	180	250	14.5	4
132S	275	215	38	80	56	10	33	8	M32x1.5	550	600	14	169	265	230	300	14.5	4
132M	275	215	38	80	56	10	33	8	M32x1.5	590	640	14	169	265	230	300	14.5	4
160M	330	265	42	110	80	12	37	8	M40x1.5	715	770	15	270	300	250	350	18.5	5
160L	330	265	42	110	80	12	37	8	M40x1.5	760	815	15	270	300	250	350	18.5	5
180M	380	280	48	110	80	14	42.5	9	M40x1.5	790	860	15	277	300	250	350	18.5	5
180L	380	280	48	110	80	14	42.5	9	M40x1.5	830	900	15	277	300	250	350	18.5	5
200L	420	315	55	110	80	16	49	10	M50x1.5	895	965	17	300	350	300	400	18.5	5
225S(4-8P)	465	335	60	140	100	18	53	11	M50x1.5	970	1040	20	340	400	350	450	18.5	5
225M(2P)	465	335	55	110	80	16	49	10	M50x1.5	965	1035	20	310	400	350	450	18.5	5
225M(4-8P)	465	335	60	140	100	18	53	11	M50x1.5	995	1065	20	340	400	350	450	18.5	5
250M(2P)	520	375	60	140	100	18	53	11	M63x1.5	1075	1155	20	357	500	450	550	18.5	5
250M(4-8P)	520	375	65	140	100	18	58	11	M63x1.5	1075	1155	20	357	500	450	550	18.5	5
280S(2P)	570	405	65	140	100	18	58	11	M63x1.5	1135	1215	22	350	500	450	550	18.5	5
280S(4-8P)	570	405	75	140	100	20	67.5	12	M63x1.5	1155	1235	22	350	500	450	550	18.5	5
280M(2P)	570	405	65	140	100	18	58	11	M63x1.5	1190	1270	22	350	500	450	550	18.5	5
280M(4-8P)	570	405	75	140	100	20	67.5	12	M63x1.5	1210	1290	22	350	500	450	550	18.5	5
315S(2P)V1	650	500	65	140	100	18	58	11	M63x1.5	_	1435	24	387	600	550	660	24	6
315M(2P)V1	650	500	65	140	100	18	58	11	M63x1.5	_	1545	24	387	600	550	660	24	6
315L(2P)V1	650	500	65	140	100	18	58	11	M63x1.5	_	1545	24	387	600	550	660	24	6
315S(4-8P)V1	650	500	80	170	130	22	71	14	M63x1.5	_	1465	24	417	600	550	660	24	6
315M(4-8P)V1	650	500	80	170	130	22	71	14	M63x1.5	_	1575	24	417	600	550	660	24	6
315L(4-8P)V1	650	500	80	170	130	22	71	14	M63x1.5	_	1575	24	417	600	550	660	24	6
355M(2P)V1	735	645	75	140	110	20	67.5	12	M63x1.5	_	1950	25	420	740	680	800	24	6
355L(2P)V1	735	645	75	140	110	20	67.5	12	M63x1.5	_	1950	25	420	740	680	800	24	6
355M(4-8P)V1	735	645	95	170	140	25	86	14	M63x1.5	_	1980	25	450	740	680	800	24	6
355L(4-8P)V1	735	645	95	170	140	25	86	14	M63x1.5	_	1980	25	450	740	680	800	24	6

Note : R=0

PERFORMANCE PARAMETERS

Frame No.	Braking torque Nm	Braking power W	No-load brake lag time s	Energizing voltage V	Air gap mm
80	7.5	40	0.2	99	0.3
90	15	50	0.2	99	0.3
100	30	60	0.2	99	0.4
112	40	80	0.25	170	0.4
132	80	110	0.25	170	0.5
160	150	130	0.35	170	0.5
180	200	150	0.35	170	0.6
200	300	150	0.45	170	0.6
225	450	200	0.45	170	0.6
250	600	200	0.7	170	0.8

Note: Brake lag time of the DC power supply cut off is no-load brake lag time.

CONNECTION

<table>
<tr><th colspan="2">Energizing voltage 99V DC</th><th colspan="2">Energizing voltage 170V DC</th></tr>
<tr><th>Brake quickly</th><th>Brake slowly</th><th>Brake quickly</th><th>Brake slowly</th></tr>
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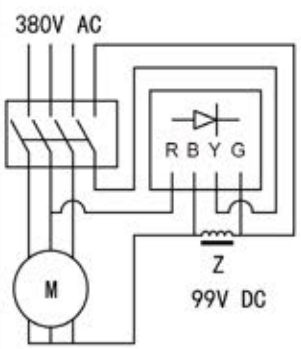
<td> 
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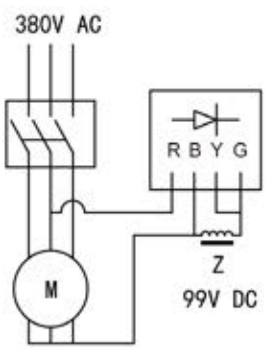
<td> 
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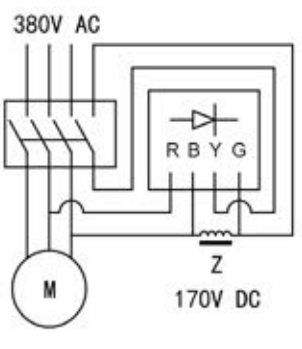
<td> 
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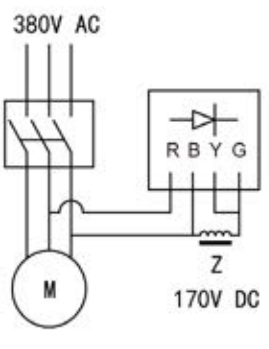
<td> 
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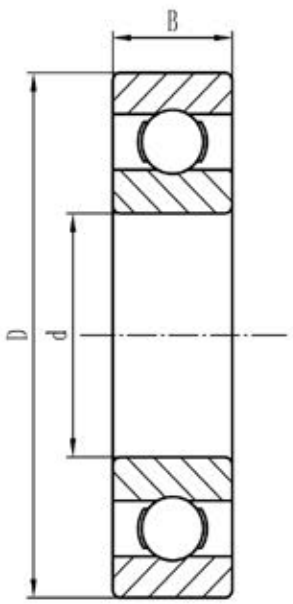
BEARING



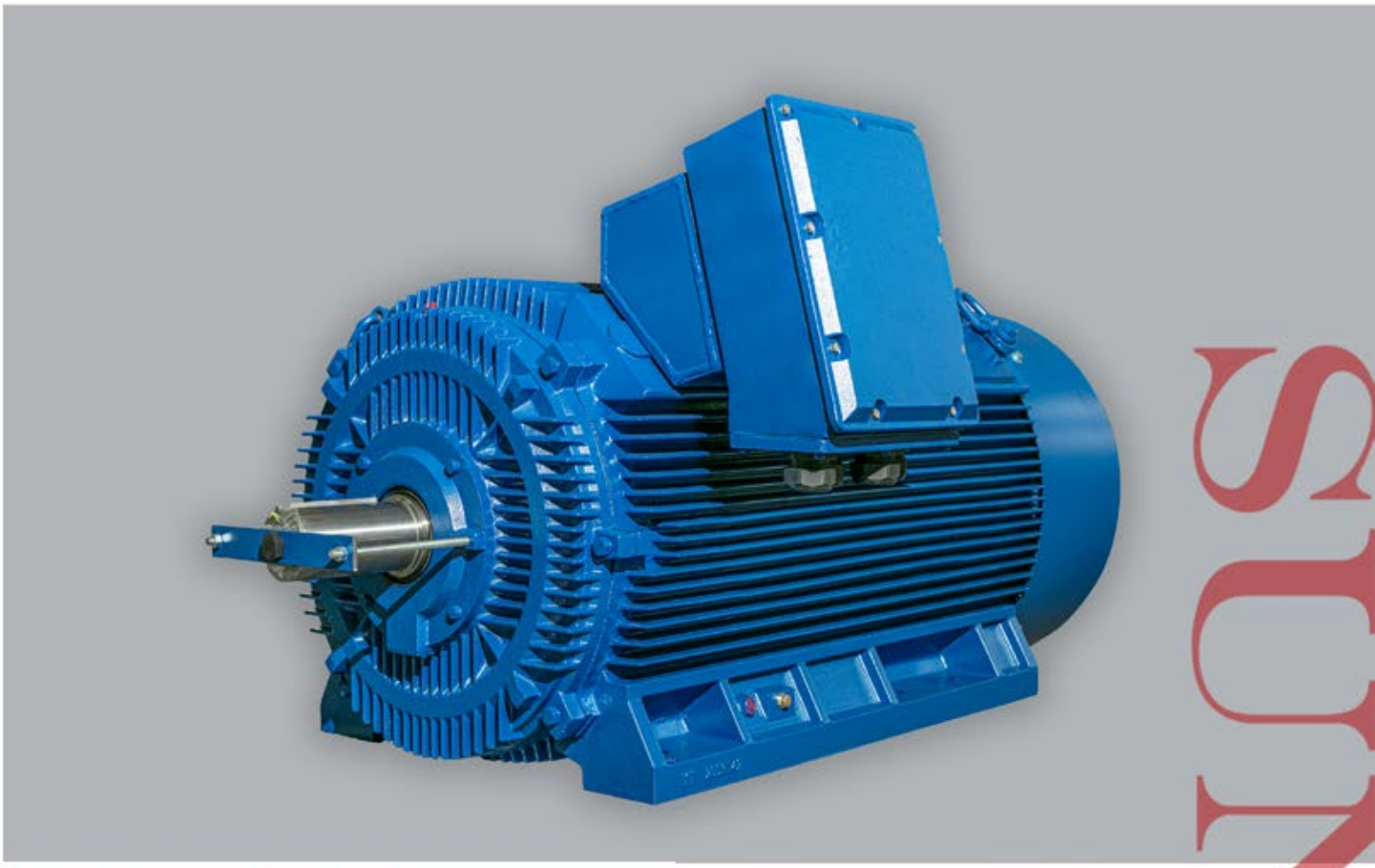
Frame	DE	NDE	d	D	B
80	6204 ZZ	6204 ZZ	20	47	14
90	6205 ZZ	6205 ZZ	25	52	15
100	6206 ZZ	6206 ZZ	30	62	16
112	6306 ZZ	6306 ZZ	30	72	19
132	6308 ZZ	6308 ZZ	40	90	23
160	6309	6309	45	100	25
180	6311	6311	55	120	29
200	6312	6312	60	130	31
225	6313	6313	65	140	33
250 (Horizontal)	6314	6314	70	150	35
250(Vertical)	6314	7314	70	150	35
280-2P (Horizontal)	6314	6314	70	150	35
280-2P(Vertical)	6314	7314	70	150	35
280-4-8P (Horizontal)	6317	6317	85	180	41
280-4-8P(Vertical)	6317	7317	85	180	41
315-2P (Horizontal)	6316	6316	80	170	39
315-2P(Vertical)	6316	7316	80	170	39
315-4-10P (Horizontal)	6319	6319	95	200	45
315-4-10P(Vertical)	6319	7319	95	200	45
355-2P (Horizontal)	6319	6319	95	200	45
355-2P(Vertical)	6319	7319	95	200	45
355-4-10P (Horizontal)	6322	6322	110	240	50
355-4-10P(Vertical)	6322	7322	110	240	50
355L3-4P,L2-6P (Horizontal)	NU324	6324	120	260	55
355L3-4P,L2-6P(Vertical)	NU324	7324	120	260	55

BEARING TYPE AND LUBRICATION INTERVAL TABLE

Notes: Motor H80~132 with sealed bearings need not to grease, motors whose frames dimensions are greater than H160 are equipped with grease filling and draining devices.
For vertical motor, if unspecified, the interval is half of the above value. The above value is based on bearing temperature of 80 ℃ and environment temperature of +25 ℃ . The environment temperature changes will affect the bearing temperature. The interval shall be half every 15℃ increased of the bearing temperature, while double the interval every 15℃ reduced of bearing temperature.
The standard motor use HTHS grease. Please do not mix other brand and type of grease to avoid damage to the bearing which can be c aused by incompatible of different grease.

Frame size	Frame size		Grease amount g	Interval(hour)		
	DE	NDE		<3600rpm	<1800rpm	<1000rpm
160	6309	6309	30	3000	4000	5000
180	6311	6311	50	3000	4000	5000
200	6312	6312	60	3000	4000	5000
225	6313	6313	80	3000	4000	5000
250	6314	6314	80	2000	4000	5000
280-2P	6314	6314	80	2000	-	-
280-4-8P	6317	6317	120	-	4000	5000
315-2P	6316	6316	100	2000	-	-
315-4-10P	6319	6319	120	-	2000	4000
355-2P	6319	6319	120	1000	-	-
355-4-10P	6322	6322	220	-	2000	4000
355L3-4P,L2-6P	Nu324	6324	240		2000	4000

Y3
SERIES LOW VOLTAGE AND HIGH POWER THREE-PHASE INDUCTION MOTOR



PRODUCT INTRODUCTION

Y3 series motors are manufactured with new material, new process and new standard. The motors stand out for high efficiency, low noise and low vibration.This series motors can be widely use in various kinds of general use machinery like fans, pumps, machine tools, compressors, transportation equipment and so on, and can also be used in the hazardous areas like oil, chemical, steel paints, and mining industry.

SPECIFICATION

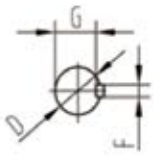
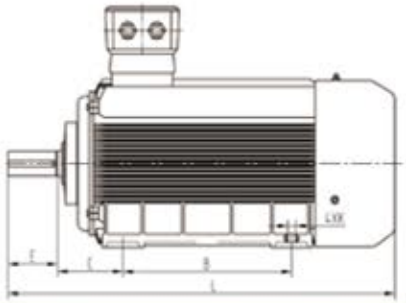
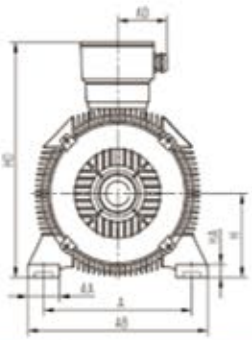
Standard: IEC60034
Frame size: H355-450mm
Rated power:355kW-1000kW
Voltage and frequency: 400V/ 50Hz
Degrees of protections: IP55
Degrees of insulation/Temperature rise: F/B
Installation Method: B3\ B5\B35\V1
Ambient temperature: -15℃~+40℃
Relative humidity should be less than 90%
Altitude should be lower than 1000 m above sea level
Cooling Method: IC411 、IC416、IC418、IC410

Y3

Motor Type	Rated Power (kW)	Rated Speed r/min	Rated Current A	Rated Eff. η %	Power Factor cosφ	Rated Torque Nm	Ist / In	Tst / Tn	Tmax / Tn	Tmin / Tn	LW dB(A) no load	LW dB(A) load	Net Weight kg
2-pole, 3000r/min synchonous													
Y3-355L1-2	355	2980	622	96.4	0.90	1138.0	6.5	1.3	2.5	0.7	104	106	2300
Y3-355L2-2	400	2875	701	96.4	0.90	1329.0	6.5	1.3	2.5	0.7	104	106	2350
Y3-355L3-2	450	2980	788	96.4	0.90	1443.0	6.5	1.3	2.5	0.7	108	110	2400
Y3-400L1-2	450	2980	788	96.4	0.90	1443.0	6.5	1.3	2.5	0.7	108	110	3200
Y3-400L2-2	500	2980	876	96.4	0.90	1603.0	6.5	1.3	2.5	0.7	108	110	3250
Y3-400L3-2	560	2980	969	96.5	0.91	1795.0	6.5	1.2	2.5	0.6	109	111	3300
Y3-450L1-2	560	2985	969	96.5	0.91	1792.0	6.5	1.2	2.5	0.6	109	111	3900
Y3-450L2-2	630	2985	1090	96.5	0.91	2016.0	6.5	1.2	2.5	0.6	109	111	4000
Y3-450L3-2	710	2985	1227	96.6	0.91	2273.0	6.5	1.2	2.5	0.6	109	111	4100
Y3-450L4-2	800	2985	1383	96.6	0.91	2561.0	6.5	1.2	2.5	0.6	109	111	4200
4-pole, 1500r/min synchonous													
Y3-355L1-4	355	1490	636	96.3	0.88	2276.0	6.5	1.6	2.5	0.8	102	105	2300
Y3-355L2-4	400	1490	717	96.3	0.88	2565.0	6.5	1.6	2.5	0.8	102	105	2350
Y3-355L3-4	450	1490	807	96.3	0.88	2885.0	6.5	1.6	2.5	0.7	105	108	2400
Y3-400L1-4	450	1490	807	96.3	0.88	2885	6.5	1.6	2.5	0.7	105	108	3100
Y3-400L2-4	500	1490	896	96.4	0.88	3206	6.5	1.4	2.5	0.7	105	108	3250
Y3-400L3-4	560	1490	992	96.4	0.89	3591	6.5	1.4	2.5	0.7	108	111	3350
Y3-400L4-4	630	1490	1115	96.5	0.89	4040	6.5	1.4	2.5	0.6	108	111	3450
Y3-450L1-4	630	1495	1115	96.5	0.89	4026	6.5	1.4	2.5	0.6	108	111	4100
Y3-450L2-4	710	1495	1256	96.5	0.89	4537	6.5	1.4	2.5	0.6	108	111	4200
Y3-450L3-4	800	1495	1398	96.6	0.90	5113	6.5	1.4	2.5	0.6	108	111	4300
Y3-450L4-4	900	1495	1573	96.6	0.90	5752	6.5	1.4	2.5	0.6	108	111	4400
6-pole, 1000r/min synchonous													
Y3-355L1-6	315	990	608	96.0	0.82	3040	6.5	1.8	2.5	0.8	98	102	2400
Y3-355L2-6	355	990	685	96.0	0.82	3426	6.5	1.8	2.5	0.8	98	102	2450

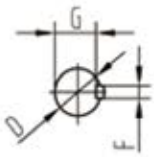
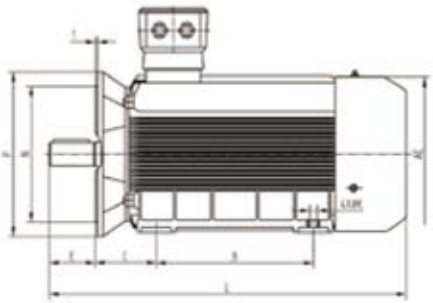
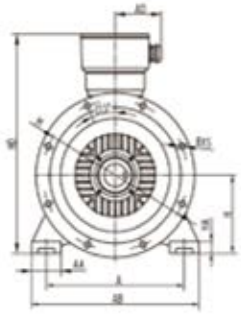
Motor Type	Rated Power (kW)	Rated Speed r/min	Rated Current A	Rated Eff. η %	Power Factor cosφ	Rated Torque Nm	Ist / In	Tst / Tn	Tmax / Tn	Tmin / Tn	LW dB(A) no load	LW dB(A) load	Net Weight kg
Y3-400L1-6	355	995	685	96.0	0.82	3409	6.5	1.8	2.4	0.8	98	102	3600
Y3-400L2-6	400	995	761	96.2	0.83	3841	6.5	1.6	2.4	0.8	98	102	3800
Y3-400L3-6	450	995	856	96.2	0.83	4321	6.5	1.6	2.4	0.8	102	106	3900
Y3-400L4-6	500	995	949	96.4	0.83	4801	6.5	1.6	2.4	0.8	102	106	4000
Y3-450L1-6	500	995	949	96.4	0.83	4801	6.5	1.6	2.4	0.8	102	106	4100
Y3-450L2-6	560	995	1063	96.4	0.83	5377	6.5	1.6	2.4	0.8	105	109	4200
Y3-450L3-6	630	995	1181	96.5	0.84	6049	6.5	1.6	2.4	0.7	105	109	4300
Y3-450L4-6	710	995	1331	96.5	0.84	6818	6.5	1.6	2.4	0.7	105	109	4400
8-pole, 750r/min synchonous													
Y3-355L1-8	250	740	499	95.2	0.80	3228	6.5	1.6	2.5	0.8	95	100	2400
Y3-355L2-8	315	740	628	95.2	0.80	4067	6.5	1.6	2.5	0.8	95	100	2500
Y3-400L1-8	315	745	628	95.2	0.80	4040	6.5	1.6	2.4	0.8	95	100	3150
Y3-400L2-8	355	745	705	95.6	0.80	4553	6.0	1.6	2.4	0.8	95	100	3200
Y3-400L3-8	400	745	795	95.6	0.80	5130	6.0	1.6	2.4	0.8	95	100	3250
Y3-450L1-8	400	745	775	95.6	0.82	5130	6.0	1.6	2.4	0.7	99	104	3800
Y3-450L2-8	450	745	869	95.9	0.82	5771	6.0	1.6	2.4	0.7	99	104	4100
Y3-450L3-8	500	745	963	96.2	0.82	6412	6.0	1.6	2.4	0.7	99	104	4200
Y3-450L4-8	560	745	1079	96.2	0.82	7182	6.0	1.6	2.4	0.7	102	107	4300
10-pole, 600r/min synchonous													
Y3-355L1-10	200	595	434	94.7	0.74	3211	6.0	1.4	2.5	0.8	96	101	2400
Y3-355L2-10	250	595	542	94.7	0.74	4014	6.0	1.4	2.5	0.8	99	104	2500
Y3-400L1-10	250	595	542	94.7	0.74	4014	6.0	1.4	2.5	0.8	99	104	3500
Y3-400L2-10	315	595	680	95.1	0.74	5058	6.0	1.4	2.5	0.8	99	104	3600
Y3-400L3-10	355	595	766	95.1	0.74	5700	6.0	1.3	2.5	0.7	99	104	3700
Y3-450L1-10	355	595	766	95.1	0.74	5700	6.0	1.3	2.5	0.7	99	104	4400
Y3-450L2-10	400	595	859	95.6	0.74	6423	6.0	1.3	2.5	0.7	99	104	4500
Y3-450L3-10	450	595	966	95.6	0.74	7226	6.0	1.3	2.5	0.7	99	104	4600

DIMENSIONS MOUNT B3

Frame	A	B	C	D	E	F	G	H	K	AB	AC	AD	HD	HA	AA	L
Y3-355-2	630	800	224	80	170	22	71	355	35	760	770	760	980	49	140	1870
Y3-355-4-10	630	800	224	110	210	28	100	355	35	760	770	760	980	49	140	1920
Y3-400-2	710	900	224	85	170	22	76	400	35	840	860	900	1060	50	145	1910
Y3-400-4-10	710	900	224	120	210	32	109	400	35	840	860	900	1060	50	145	1975
Y3-450-2	800	1000	250	95	170	25	86	450	42	990	960	940	1130	54	190	2070
Y3-450-4-10	800	1000	250	130	210	32	119	450	42	990	960	940	1130	54	190	2110

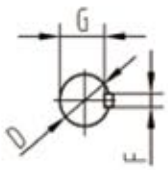
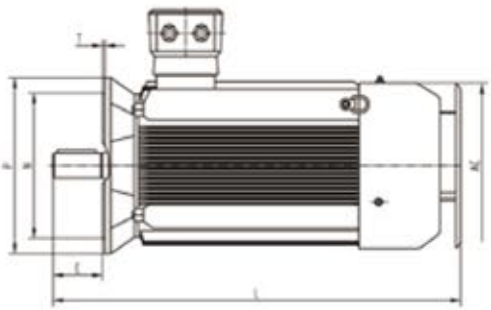
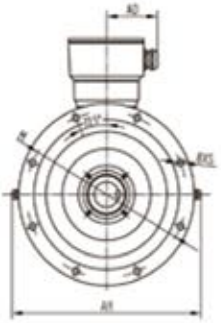
DIMENSIONS MOUNT B35

Frame	A	B	C	D	E	F	G	H	M	N	P	S	K	AB	AC	AD	HD	HA	AA	L	T
Y3-355-2	630	800	224	80	170	22	71	355	840	780	900	24	35	760	770	760	980	49	140	1870	6
Y3-355-4-10	630	800	224	110	210	28	100	355	840	780	900	24	35	760	770	760	980	49	140	1920	6
Y3-400-2	710	900	224	85	170	22	76	400	940	880	1000	28	35	840	860	900	1060	50	145	1910	6
Y3-400-4-10	710	900	224	120	210	32	109	400	940	880	1000	28	35	840	860	900	1060	50	145	1975	6
Y3-450-2	800	1000	250	95	170	25	86	450	1080	1000	1150	28	42	990	960	940	1130	54	190	2070	6
Y3-450-4-10	800	1000	250	130	210	32	119	450	1080	1000	1150	28	42	990	960	940	1130	54	190	2110	6

Note : R=0

DIMENSIONS MOUNT V1

Frame	AH	D	E	F	G	M	N	P	S	T	AC	AD	L
Y3-355-2	1220	80	170	22	71	840	780	900	24	6	760	760	1920
Y3-355-4-10	1220	110	210	28	100	840	780	900	24	6	760	760	1970
Y3-400-2	1255	85	170	22	76	940	880	1000	28	6	840	900	1960
Y3-400-4-10	1255	120	210	32	109	940	880	1000	28	6	840	900	2025
Y3-450-2	1500	95	170	25	86	1080	1000	1150	28	6	990	940	2120
Y3-450-4-10	1500	130	210	32	119	1080	1000	1150	28	6	990	940	2160

Note : R=0

YKK/YXKK
SERIES HIGH VOLTAGE MOTOR

PRODUCT INTRODUCTION

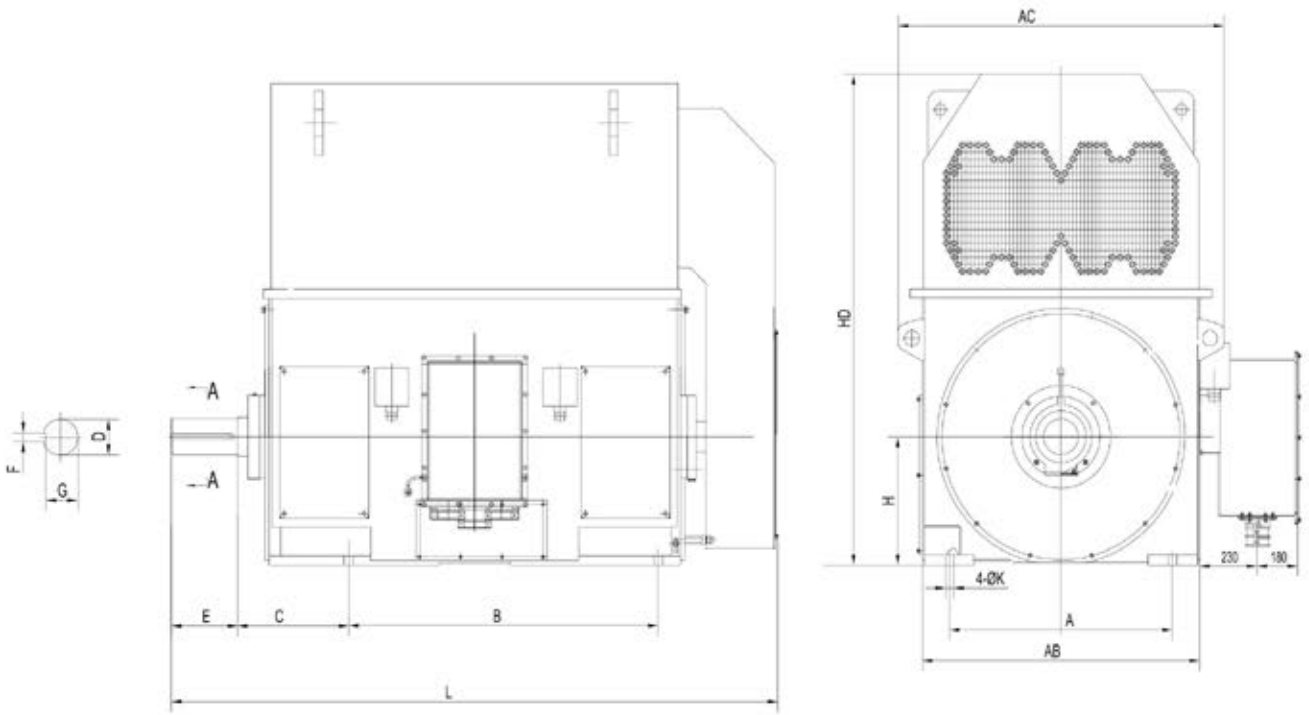
YKK/YXKK series motors stand out for high efficiency, high energy savings, low vibration, low weight, compact structure, reliable operation and convenient maintenance. The motors comply with the national standard GB755 "rotating electrical machines-rating and performance" and the relevant international standards, and suitable to drive compressors, fans, water pumps, industrial freezers, conveyor belts, crushers and other general machinery. Please specify the requirements in the order when motors are mounted on high moment of inertia equipment like blower, coal pulverizer, rolling mill, winch and belt conveyor.

The motor frame is welded by steel plate, and offer excellent rigidity and vibration resistance performance. They are manufactured with F insulation structure and VPI vacuum pressure impregnation process. The non-stop filling and discharging bearing system ensures a convenient maintenance.Special requirements on voltage, power, frequency and mounting dimension can be customized. YKS water cooling motors have the same power range, performance and dimension as Y series.

SPECIFICATION

Frame size: 355-630MM (6KV)、 400-630MM (10KV)Rated power: 0.718kW-315kW
Voltage and frequency: 220KW-1120KW (6KV) 、220KW-1120KW (10KV)
Degrees of protections: IP55
Degrees of insulation/Temperature rise: F
Installation Method: IMB3
Number of poles:2/4/6/8/10
Ambient temperature: -15℃~+40℃
Relative humidity should be less than 90%
Altitude should be lower than 1000 m above sea level
Cooling Method: IC611、IC616

YKK Series High Voltage Motor (6kv)



Frame	Pole	A	B	C	D	E	F	G	H	K	AB	AC	HD	L
355	2	630	900	315	80	170	22	71	355	28	800	994	1480	2150
355	4	630	900	315	100	210	28	90	355	28	800	994	1480	2150
400	2	710	1000	375	90	170	25	81	400	35	900	1094	1490	2290
400	4–8	710	1000	335	110	210	28	100	400	35	900	1094	1490	2290
450	2	800	1120	400	100	210	28	90	450	35	980	1174	1750	2430
450	4	800	1120	355	120	210	32	109	450	35	980	1174	1550	2385
450	6–12	800	1120	355	130	250	32	119	450	35	980	1174	1550	2425
500	2	900	1250	560	110	210	28	100	500	42	1120	1314	1980	2630
500	4	900	1250	475	130	250	32	119	500	42	1120	1314	1780	2600
500	6–12	900	1250	475	140	250	36	128	500	42	1120	1314	1780	2600
560	2	1000	1400	560	130	250	32	119	560	42	1220	1410	2100	2780
560	4	1000	1400	500	150	250	36	138	560	42	1220	1410	1900	2780
560	6–12	1000	1400	500	160	300	40	147	560	42	1220	1410	1900	2780
630	2	1120	1600	560	140	250	36	128	630	48	1360	1620	2250	3040
630	4	1120	1600	530	170	300	40	157	630	48	1360	1620	2250	2975
630	6–12	1120	1600	530	180	300	45	165	630	48	1360	1620	2250	2975
710	2	1400	1800	530	160	300	40	147	710	56	1600	1860	2250	3490
710	4–16	1400	1800	530	200	350	45	185	710	56	1600	1860	2300	3550

YKK

6kV PERFORMANCE PARAMETERS

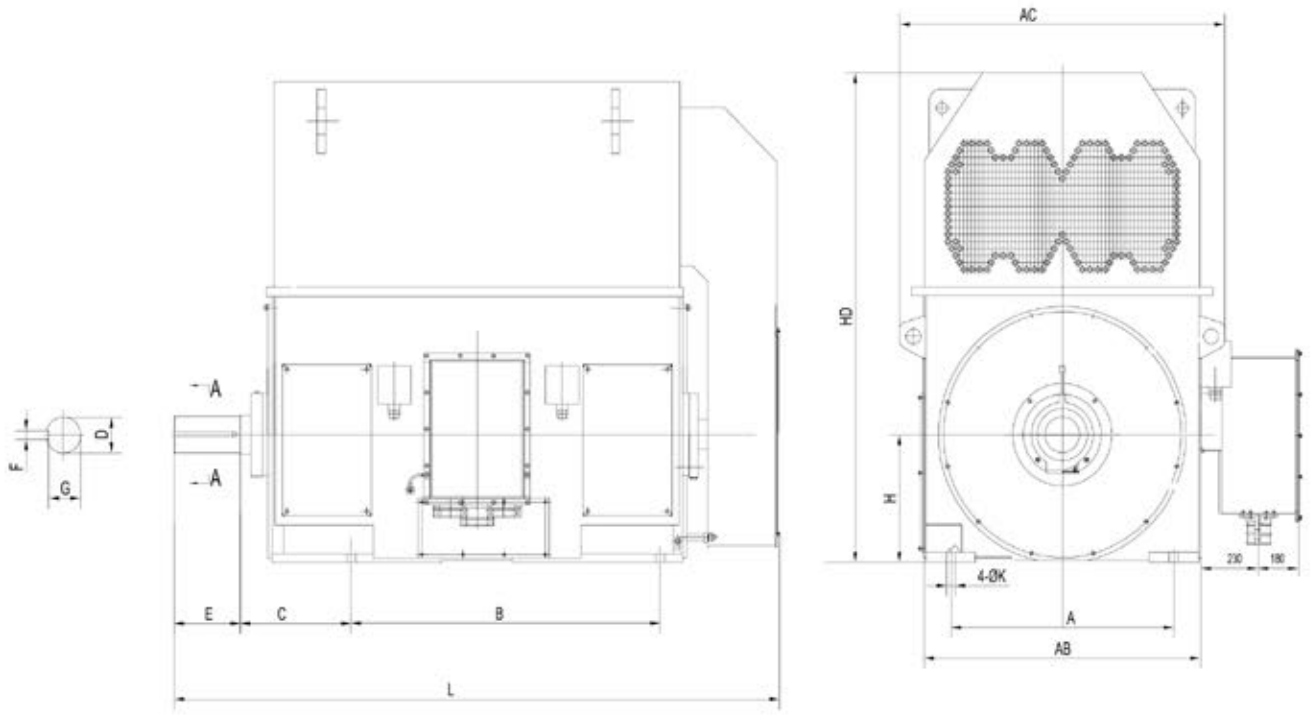
Type	kW	r/min	A	%	cos ϕ	Tst / Tn	Ist / In	Tmax / Tn	kg
YKK3551-2	220	2980	26.9	92.5	0.85	0.6	7.0	1.8	2470
YKK3552-2	250	2980	30.6	92.6	0.85	0.6	7.0	1.8	2700
YKK3553-2	280	2980	34.2	92.8	0.85	0.6	7.0	1.8	2730
YKK3554-2	315	2980	38.3	93.1	0.85	0.6	7.0	1.8	2750
YKK4002-2	355	2980	42.5	93.4	0.86	0.6	7.0	1.8	3540
YKK4003-2	400	2980	47.8	93.7	0.86	0.6	7.0	1.8	3570
YKK4004-2	450	2980	53.6	94.0	0.86	0.6	7.0	1.8	3590
YKK4005-2	500	2980	59.4	94.2	0.86	0.6	7.0	1.8	3620
YKK4502-2	560	2980	66.4	94.4	0.86	0.6	7.0	1.8	4325
YKK4503-2	630	2980	73.7	94.6	0.87	0.6	7.0	1.8	4300
YKK4504-2	710	2980	82.9	94.7	0.87	0.6	7.0	1.8	4365
YKK4505-2	800	2980	93.3	94.8	0.87	0.6	7.0	1.8	4430
YKK5001-2	900	2980	105	95.0	0.87	0.6	7.0	1.8	5310
YKK5002-2	1000	2980	116	95.1	0.87	0.6	7.0	1.8	5510
YKK5003-2	1120	2980	130	95.2	0.87	0.6	7.0	1.8	5710
YKK5004-2	1250	2980	145	95.3	0.87	0.6	7.0	1.8	5910
YKK5601-2	1400	2980	161	95.4	0.88	0.6	7.0	1.8	6700
YKK5602-2	1600	2980	183	95.5	0.88	0.6	7.0	1.8	7100
YKK5603-2	1800	2980	206	95.6	0.88	0.6	7.0	1.8	7500
YKK6301-2	2000	2980	229	95.7	0.88	0.6	7.0	1.8	9700
YKK6302-2	2240	2980	256	95.8	0.88	0.6	7.0	1.8	9800
YKK6303-2	2500	2980	285	95.9	0.88	0.6	7.0	1.8	10020
YKK7101-2	2800	2980	315	96.0	0.89	0.6	7.0	1.8	14370
YKK7102-2	3150	2980	354	96.1	0.89	0.6	7.0	1.8	14690
YKK7103-2	3550	2980	399	96.2	0.89	0.6	7.0	1.8	15230
YKK7104-2	4000	2980	449	96.3	0.89	0.6	7.0	1.8	15450
YKK3551-4	185	1490	22.6	92.8	0.85	0.7	6.5	1.8	2280
YKK3552-4	200	1490	24.4	92.9	0.85	0.7	6.5	1.8	2325
YKK3553-4	220	1490	26.8	93.0	0.85	0.7	6.5	1.8	2390
YKK3554-4	250	1490	30.4	93.1	0.85	0.7	6.5	1.8	2450
YKK4002-4	280	1490	33.6	93.2	0.86	0.7	6.5	1.8	3780
YKK4003-4	315	1490	37.8	93.3	0.86	0.7	6.5	1.8	3845
YKK4004-4	355	1490	42.5	93.5	0.86	0.7	6.5	1.8	3925
YKK4005-4	400	1490	47.8	93.7	0.86	0.7	6.5	1.8	4050
YKK4006-4	450	1490	53.6	93.9	0.86	0.7	6.5	1.8	4160
YKK4502-4	500	1490	59.5	94.0	0.86	0.7	6.5	1.8	4370
YKK4503-4	560	1490	66.5	94.2	0.86	0.7	6.5	1.8	4460
YKK4504-4	630	1490	74.7	94.4	0.86	0.7	6.5	1.8	4530
YKK4505-4	710	1490	84.0	94.6	0.86	0.7	6.5	1.8	4680
YKK5001-4	800	1490	93.3	94.8	0.87	0.7	6.5	1.8	5500
YKK5002-4	900	1490	105	94.9	0.87	0.7	6.5	1.8	5830
YKK5003-4	1000	1490	116	95.0	0.87	0.7	6.5	1.8	6025
YKK5004-4	1120	1490	130	95.1	0.87	0.7	6.5	1.8	6235
YKK5601-4	1250	1490	144	95.2	0.88	0.6	6.5	1.8	7150
YKK5602-4	1400	1490	161	95.3	0.88	0.6	6.5	1.8	8100
YKK5603-4	1600	1490	183	95.4	0.88	0.6	6.5	1.8	9050
YKK6301-4	1800	1490	206	95.5	0.88	0.6	6.5	1.8	11250

Type	kW	r/min	A	%	cos ϕ	Tst / Tn	Ist / In	Tmax / Tn	kg
YKK6302-4	2000	1490	228.8	95.6	0.88	0.6	6.5	1.8	12220
YKK6303-4	2240	1490	255.9	95.7	0.88	0.6	6.5	1.8	13100
YKK7101-4	2500	1490	291.1	96.1	0.86	0.5	7.0	1.8	14870
YKK7102-4	2800	1490	325.7	96.2	0.86	0.5	7.0	1.8	15300
YKK7103-4	3150	1490	361.8	96.3	0.87	0.5	7.0	1.8	15500
YKK7104-4	3550	1490	407.7	96.3	0.87	0.5	7.0	1.8	15970
YKK4001-6	185	990	23.5	92.4	0.82	0.7	6.0	1.8	2470
YKK4002-6	200	990	25.3	92.6	0.82	0.7	6.0	1.8	2520
YKK4003-6	220	990	27.8	92.8	0.82	0.7	6.0	1.8	3860
YKK4004-6	250	990	31.5	93.0	0.82	0.7	6.0	1.8	3900
YKK4005-6	280	990	35.2	93.3	0.82	0.7	6.0	1.8	3950
YKK4006-6	315	990	39.5	93.5	0.82	0.7	6.0	1.8	4060
YKK4502-6	355	990	43.9	93.7	0.83	0.7	6.0	1.8	4300
YKK4503-6	400	990	49.4	93.8	0.83	0.7	6.0	1.8	4350
YKK4504-6	450	990	55.4	94.1	0.83	0.7	6.0	1.8	4470
YKK4505-6	500	990	61.5	94.3	0.83	0.7	6.0	1.8	4600
YKK5001-6	560	990	68.0	94.4	0.84	0.7	6.0	1.8	5515
YKK5002-6	630	990	76.4	94.5	0.84	0.7	6.0	1.8	5590
YKK5003-6	710	990	85.8	94.8	0.84	0.7	6.0	1.8	5810
YKK5004-6	800	990	96.6	94.9	0.84	0.7	6.0	1.8	6010
YKK5601-6	900	990	107	95.0	0.85	0.7	6.5	1.8	7650
YKK5602-6	1000	990	119	95.1	0.85	0.7	6.5	1.8	7780
YKK5603-6	1120	990	133	95.2	0.85	0.7	6.5	1.8	7900
YKK6301-6	1250	990	147	95.3	0.86	0.7	6.5	1.8	8730
YKK6302-6	1400	990	164	95.4	0.86	0.7	6.5	1.8	11250
YKK6303-6	1600	990	188	95.5	0.86	0.7	6.5	1.8	10250
YKK7101-6	1800	990	213	95.8	0.85	0.5	7.0	1.8	14880
YKK7102-6	2000	990	236	95.9	0.85	0.5	7.0	1.8	15230
YKK7103-6	2240	990	264	96.0	0.85	0.5	7.0	1.8	15670
YKK7104-6	2500	990	295	96.1	0.85	0.5	7.0	1.8	15880
YKK4004-8	185	740	24.7	92.5	0.78	0.8	5.5	1.8	3830
YKK4005-8	200	740	26.6	92.7	0.78	0.8	5.5	1.8	3890
YKK4006-8	220	740	29.2	92.9	0.78	0.8	5.5	1.8	3940
YKK4502-8	250	740	32.7	93.0	0.79	0.8	5.5	1.8	4110
YKK4503-8	280	740	36.6	93.2	0.79	0.8	5.5	1.8	4200
YKK4504-8	315	740	41.1	93.4	0.79	0.8	5.5	1.8	4330
YKK4505-8	355	740	46.2	93.5	0.79	0.8	5.5	1.8	4460
YKK5001-8	400	740	51.3	93.7	0.80	0.8	5.5	1.8	5265
YKK5002-8	450	740	57.7	93.8	0.8	0.8	5.5	1.8	5425
YKK5003-8	500	740	63.8	94.2	0.8	0.8	5.5	1.8	5605
YKK5004-8	560	740	71.4	94.4	0.8	0.8	5.5	1.8	5775
YKK5601-8	630	740	78.2	94.5	0.82	0.7	6.0	1.8	6850
YKK5602-8	710	740	88.1	94.6	0.82	0.7	6.0	1.8	7050
YKK5603-8	800	740	99.1	94.7	0.82	0.7	6.0	1.8	7300
YKK6301-8	900	740	109	94.8	0.84	0.7	6.0	1.8	8270
YKK6302-8	1000	740	121	94.9	0.84	0.7	6.0	1.8	8675
YKK6303-8	1120	740	135	95.0	0.84	0.7	6.0	1.8	9080

YKK

Type	kW	r/min	A	%	cos ϕ	Tst/Tn	Ist/In	Tmax/Tn	kg
YKK6304-8	1250	740	150.6	95.1	0.84	0.7	6.0	1.8	9485
YKK7101-8	1400	740	168.5	95.2	0.84	0.6	7.0	1.8	14780
YKK7102-8	1600	740	192.3	95.3	0.84	0.6	7.0	1.8	15300
YKK7103-8	1800	740	216.1	95.4	0.84	0.6	7.0	1.8	15570
YKK4501-10	185	590	25.9	91.7	0.75	0.8	5.5	1.8	4080
YKK4502-10	200	590	27.9	91.9	0.75	0.8	5.5	1.8	4130
YKK4503-10	220	590	30.6	92.1	0.75	0.8	5.5	1.8	4210
YKK4504-10	250	590	34.8	92.3	0.75	0.8	5.5	1.8	4280
YKK4505-10	280	590	38.8	92.5	0.75	0.8	5.5	1.8	4520
YKK5001-10	315	590	43.0	92.8	0.76	0.8	5.5	1.8	5280
YKK5002-10	355	590	48.3	93.0	0.76	0.8	5.5	1.8	5375
YKK5003-10	400	590	54.3	93.3	0.76	0.8	5.5	1.8	5540
YKK5004-10	450	590	61.0	93.4	0.76	0.8	5.5	1.8	5700
YKK5601-10	500	590	65.9	93.6	0.78	0.7	6.0	1.8	5895
YKK5602-10	560	590	73.7	93.7	0.78	0.7	6.0	1.8	8100
YKK5603-10	630	590	82.9	93.8	0.78	0.7	6.0	1.8	8150
YKK5604-10	710	590	93.2	94.0	0.78	0.7	6.0	1.8	8300
YKK6301-10	800	590	102.2	94.2	0.80	0.7	6.0	1.8	9250
YKK6302-10	900	590	114.8	94.3	0.80	0.7	6.0	1.8	9550
YKK6303-10	1000	590	127.4	94.4	0.80	0.7	6.0	1.8	9850
YKK6304-10	1120	590	142.4	94.6	0.80	0.7	6.0	1.8	10400
YKK7101-10	1250	590	152.9	94.8	0.83	0.6	6.5	1.8	15350
YKK7102-10	1400	590	171	94.9	0.83	0.6	6.5	1.8	15780
YKK7103-10	1600	590	195	95.0	0.83	0.6	6.5	1.8	15890
YKK4504-12	185	495	27.7	91.8	0.70	0.8	5.5	1.8	4350
YKK4505-12	200	495	29.9	92.0	0.70	0.8	5.5	1.8	4370
YKK5001-12	220	495	31.9	92.2	0.72	0.8	5.5	1.8	5220
YKK5002-12	250	495	36.1	92.5	0.72	0.8	5.5	1.8	5395
YKK5003-12	280	495	40.4	92.7	0.72	0.8	5.5	1.8	5555
YKK5004-12	315	495	45.4	92.8	0.72	0.8	5.5	1.8	5815
YKK5601-12	355	495	49.6	93.0	0.74	0.7	6.0	1.8	6075
YKK5602-12	400	495	55.8	93.3	0.74	0.7	6.0	1.8	6200
YKK5603-12	450	495	62.7	93.4	0.74	0.7	6.0	1.8	7340
YKK5604-12	500	495	69.4	93.7	0.74	0.7	6.0	1.8	7620
YKK6301-12	560	495	75.6	93.8	0.76	0.7	6.0	1.8	7900
YKK6302-12	630	495	84.9	93.9	0.76	0.7	6.0	1.8	10700
YKK6303-12	710	495	95.6	94.0	0.76	0.7	6.0	1.8	10980
YKK6304-12	800	495	107.5	94.2	0.76	0.7	6.0	1.8	11260
YKK7101-12	900	495	116	94.4	0.79	0.6	6.5	1.8	15420
YKK7102-12	1000	495	129	94.4	0.79	0.6	6.5	1.8	15750
YKK7103-12	1120	495	144.4	94.5	0.79	0.6	6.5	1.8	15980
YKK7101-16	500	370	71.0	92.8	0.73	0.6	6.5	1.8	15350
YKK7102-16	560	370	79.5	92.9	0.73	0.6	6.5	1.8	15600
YKK7103-16	630	370	89.3	93.0	0.73	0.6	6.5	1.8	15800
YKK7104-16	710	370	100.4	93.2	0.73	0.6	6.5	1.8	16000

YKK Series High Voltage Motor (10kv)



Frame	Pole	A	B	C	D	E	F	G	H	K	AB	AC	HD	L
450	2	800	1120	400	90	170	25	81	450	35	980	1174	1630	2390
450	4	800	1120	355	110	210	28	100	450	35	980	1174	1630	2390
450	6	800	1120	355	110	210	28	100	450	35	980	1174	1550	2390
500	2	900	1250	560	100	210	28	90	500	42	1120	1314	1980	2645
500	4	900	1250	475	120	210	32	109	500	42	1120	1314	1980	2560
500	6–10	900	1250	475	130	250	32	119	500	42	1120	1314	1780	2600
560	2	1000	1400	560	130	250	32	119	560	42	1220	1410	2100	2780
560	4	1000	1400	500	150	250	36	138	560	42	1220	1410	2100	2780
560	6–12	1000	1400	500	160	300	40	147	560	42	1220	1410	1900	2780
630	2	1120	1600	560	140	250	36	128	630	48	1360	1620	2250	3040
630	4	1120	1600	530	170	300	40	157	630	48	1360	1620	2250	2975
630	6–12	1120	1600	530	180	300	45	165	630	48	1360	1620	2250	2975
710	2	1400	1800	530	160	300	40	147	710	56	1600	1860	2250	3490
710	4–16	1400	1800	530	200	350	45	185	710	56	1600	1860	2300	3550

YKK

10kV PERFORMANCE PARAMETERS

Type	kW	r/min	A	%	cos ϕ	Tst/Tn	Ist/In	Tmax/Tn	kg
YKK4501-2	220	2980	15.7	92.7	0.87	0.6	7.0	1.8	3100
YKK4502-2	250	2980	17.9	92.8	0.87	0.6	7.0	1.8	3300
YKK4503-2	280	2980	20.0	92.9	0.87	0.6	7.0	1.8	3500
YKK4504-2	315	2980	22.4	93.2	0.87	0.6	7.0	1.8	3800
YKK4505-2	355	2980	25.2	93.5	0.87	0.6	7.0	1.8	3850
YKK4506-2	400	2980	28.3	93.8	0.87	0.6	7.0	1.8	3950
YKK4507-2	450	2980	31.8	94.0	0.87	0.6	7.0	1.8	4050
YKK4508-2	500	2980	35.3	94.1	0.87	0.6	7.0	1.8	4300
YKK5004-2	560	2980	39.4	94.3	0.87	0.6	7.0	1.8	5770
YKK5005-2	630	2980	44.3	94.4	0.87	0.6	7.0	1.8	5910
YKK5006-2	710	2980	49.3	94.5	0.88	0.6	7.0	1.8	6050
YKK5007-2	800	2980	55.5	94.6	0.88	0.6	7.0	1.8	6300
YKK5008-2	900	2980	62.4	94.7	0.88	0.6	7.0	1.8	6450
YKK5601-2	1000	2980	69.2	94.8	0.88	0.6	7.0	1.8	7000
YKK5602-2	1120	2980	77.4	95.0	0.88	0.6	7.0	1.8	7200
YKK5603-2	1250	2980	85.2	95.2	0.89	0.6	7.0	1.8	7400
YKK6301-2	1400	2980	95.3	95.3	0.89	0.6	7.0	1.8	9200
YKK6302-2	1600	2980	108.8	95.4	0.89	0.6	7.0	1.8	9500
YKK6303-2	1800	2980	122.3	95.5	0.89	0.6	7.0	1.8	10000
YKK7101-2	2000	2980	135.6	95.7	0.89	0.6	7.0	1.8	11850
YKK7102-2	2240	2980	151.7	95.8	0.89	0.6	7.0	1.8	12350
YKK7103-2	2500	2980	169.1	95.9	0.89	0.6	7.0	1.8	12600
YKK4501-4	220	1490	16.0	92.5	0.86	0.7	7.0	1.8	3540
YKK4502-4	250	1490	18.1	92.6	0.86	0.7	7.0	1.8	3770
YKK4503-4	280	1490	20.3	92.7	0.86	0.7	7.0	1.8	3870
YKK4504-4	315	1490	22.8	92.9	0.86	0.7	7.0	1.8	3900
YKK4505-4	355	1490	25.6	93.1	0.86	0.7	7.0	1.8	4210
YKK4506-4	400	1490	28.8	93.3	0.86	0.7	7.0	1.8	4310
YKK4507-4	450	1490	32.2	93.7	0.86	0.7	7.0	1.8	4500
YKK4508-4	500	1490	35.8	93.8	0.86	0.7	7.0	1.8	4920
YKK5004-4	560	1490	40.0	94.0	0.86	0.7	7.0	1.8	5670
YKK5005-4	630	1490	44.9	94.2	0.86	0.7	7.0	1.8	5860
YKK5006-4	710	1490	49.7	94.8	0.87	0.7	7.0	1.8	6040
YKK5007-4	800	1490	55.9	94.9	0.87	0.7	7.0	1.8	6070
YKK5008-4	900	1490	62.2	95.0	0.88	0.7	7.0	1.8	6630
YKK5601-4	1000	1490	69.6	95.1	0.88	0.7	7.0	1.8	6900
YKK5602-4	1120	1490	77.2	95.2	0.88	0.7	7.0	1.8	7100
YKK5603-4	1250	1490	85.1	95.3	0.89	0.7	7.0	1.8	7300
YKK6301-4	1400	1490	95.1	95.5	0.89	0.6	7.0	1.8	10500

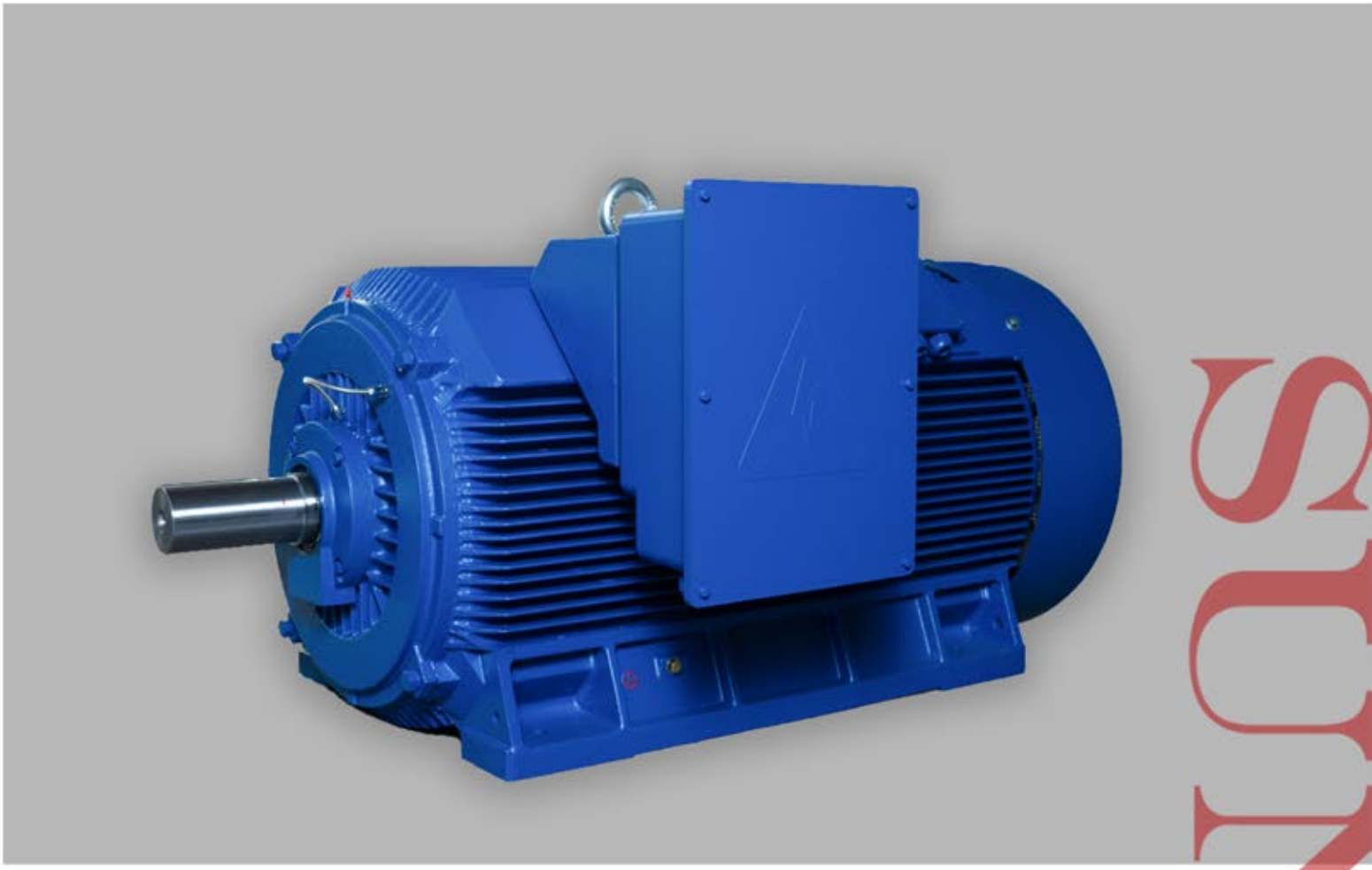
YKK

10kV PERFORMANCE PARAMETERS

Type	kW	r/min	A	%	cos ϕ	Tst/Tn	Ist/In	Tmax/Tn	kg
YKK6302-4	1600	1490	108.6	95.6	0.89	0.6	7.0	1.8	11000
YKK6303-4	1800	1490	122	95.7	0.89	0.6	7.0	1.8	12200
YKK7101-4	2000	1490	140.6	95.5	0.86	0.5	6.5	1.8	12850
YKK7102-4	2240	1490	157.3	95.6	0.86	0.5	6.5	1.8	13100
YKK7103-4	2500	1490	175.4	95.7	0.86	0.5	6.5	1.8	13640
YKK4504-6	220	990	16.8	92.1	0.82	0.7	6.0	1.8	4100
YKK4505-6	250	990	19.1	92.2	0.82	0.7	6.0	1.8	4220
YKK4506-6	280	990	21.3	92.4	0.82	0.7	6.0	1.8	4430
YKK4507-6	315	990	24.0	92.6	0.82	0.7	6.0	1.8	4570
YKK4508-6	355	990	26.6	92.9	0.83	0.7	6.0	1.8	4600
YKK5004-6	400	990	29.9	93.1	0.83	0.7	6.0	1.8	5450
YKK5005-6	450	990	33.6	93.3	0.83	0.7	6.0	1.8	5710
YKK5006-6	500	990	37.1	93.7	0.83	0.7	6.0	1.8	5890
YKK5007-6	560	990	41.0	93.9	0.84	0.7	6.0	1.8	6120
YKK5008-6	630	990	46.0	94.2	0.84	0.7	6.0	1.8	6680
YKK5601-6	710	990	51.7	94.4	0.84	0.7	6.5	1.8	6950
YKK5602-6	800	990	58.2	94.5	0.84	0.7	6.5	1.8	7300
YKK5603-6	900	990	64.6	94.7	0.85	0.7	6.5	1.8	7400
YKK5604-6	1000	990	71.6	94.9	0.85	0.7	6.5	1.8	7700
YKK6301-6	1120	990	80.0	95.1	0.85	0.6	6.5	1.8	9400
YKK6302-6	1250	990	88.2	95.2	0.86	0.6	6.5	1.8	10400
YKK6303-6	1400	990	98.4	95.5	0.86	0.6	6.5	1.8	16500
YKK7101-6	1600	990	119.2	94.5	0.82	0.6	6.5	1.8	13900
YKK7102-6	1800	990	134	94.6	0.82	0.6	6.5	1.8	14250
YKK7103-6	2000	990	148.7	94.7	0.82	0.6	6.5	1.8	15010
YKK5002-8	220	740	18.1	92.1	0.76	0.7	6.0	1.8	5250
YKK5003-8	250	740	20.6	92.2	0.76	0.7	6.0	1.8	5440
YKK5004-8	280	740	23.0	92.4	0.76	0.7	6.0	1.8	5670
YKK5005-8	315	740	25.5	92.6	0.77	0.7	6.0	1.8	5710
YKK5006-8	355	740	28.7	92.9	0.77	0.7	6.0	1.8	5770
YKK5007-8	400	740	31.8	93.0	0.78	0.7	6.0	1.8	5830
YKK5008-8	450	740	35.7	93.2	0.78	0.7	6.0	1.8	6370
YKK5601-8	500	740	39	93.6	0.79	0.7	6.0	1.8	7200
YKK5602-8	560	740	43.7	93.7	0.79	0.7	6.0	1.8	7300
YKK5603-8	630	740	47.1	94.2	0.82	0.7	6.0	1.8	7400
YKK5604-8	710	740	53.0	94.4	0.82	0.7	6.0	1.8	7500
YKK6301-8	800	740	59.6	94.5	0.82	0.7	6.0	1.8	9300
YKK6302-8	900	740	67.0	94.6	0.82	0.7	6.0	1.8	9800
YKK6303-8	1000	740	73.4	94.8	0.83	0.7	6.0	1.8	10000

Type	kW	r/min	A	%	cos ϕ	Tst/Tn	Ist/In	Tmax/Tn	kg
YKK7101-8	1120	740	86.1	93.9	0.80	0.6	6.5	1.8	14370
YKK7102-8	1250	740	96.0	94.0	0.80	0.6	6.5	1.8	15250
YKK7103-8	1400	740	107.4	94.1	0.80	0.6	6.5	1.8	15560
YKK7104-8	1600	740	122.6	94.2	0.8	0.6	6.5	1.8	15700
YKK5005-10	220	590	19.0	91.8	0.73	0.7	5.5	1.8	5770
YKK5006-10	250	590	21.5	92.0	0.73	0.7	5.5	1.8	5940
YKK5007-10	280	590	23.7	92.2	0.74	0.7	5.5	1.8	6130
YKK5008-10	315	590	26.6	92.4	0.74	0.7	5.5	1.8	6200
YKK5601-10	355	590	29.5	92.6	0.75	0.7	6.0	1.8	6700
YKK5602-10	400	590	33.2	92.8	0.75	0.7	6.0	1.8	6900
YKK5603-10	450	590	36.3	93.0	0.77	0.7	6.0	1.8	7100
YKK5604-10	500	590	40.2	93.2	0.77	0.7	6.0	1.8	7300
YKK5605-10	560	590	44.4	93.3	0.78	0.7	6.0	1.8	7500
YKK6301-10	630	590	49.9	93.5	0.78	0.7	6.0	1.8	9400
YKK6302-10	710	590	54.7	93.7	0.80	0.7	6.0	1.8	9650
YKK6303-10	800	590	61.4	94.1	0.80	0.7	6.0	1.8	9850
YKK6304-10	900	590	68.9	94.3	0.80	0.7	6.0	1.8	10500
YKK7101-10	1000	590	79.1	93.6	0.78	0.6	6.0	1.8	14780
YKK7102-10	1120	590	88.5	93.7	0.78	0.6	6.0	1.8	15320
YKK7103-10	1250	590	98.6	93.8	0.78	0.6	6.0	1.8	15650
YKK5601-12	220	495	19.8	91.6	0.70	0.7	6.0	1.8	6600
YKK5602-12	250	495	22.5	91.7	0.70	0.7	6.0	1.8	6700
YKK5603-12	280	495	24.4	91.9	0.72	0.7	6.0	1.8	6900
YKK5604-12	315	495	27.4	92.1	0.72	0.7	6.0	1.8	7100
YKK5605-12	355	495	30.8	92.3	0.72	0.7	6.0	1.8	7300
YKK5606-12	400	495	34.7	92.5	0.72	0.7	6.0	1.8	7500
YKK6301-12	450	495	38.4	92.7	0.73	0.7	6.0	1.8	9400
YKK6302-12	500	495	42.5	93.0	0.73	0.7	6.0	1.8	9650
YKK6303-12	560	495	47.5	93.3	0.73	0.7	6.0	1.8	9850
YKK6304-12	630	495	53.3	93.5	0.73	0.7	6.0	1.8	10500
YKK7101-12	710	495	60.4	93.0	0.73	0.6	6.0	1.8	14740
YKK7102-12	800	495	68.0	93.1	0.73	0.6	6.0	1.8	15150
YKK7103-12	900	495	76.4	93.2	0.73	0.6	6.0	1.8	15580
YKK7101-16	355	370	30.4	92.5	0.73	0.6	6.0	1.8	14930
YKK7102-16	400	370	34.2	92.6	0.73	0.6	6.0	1.8	14250
YKK7103-16	450	370	38.4	92.7	0.73	0.6	6.0	1.8	14840
YKK7104-16	500	370	42.6	92.8	0.73	0.6	6.0	1.8	15100

Y2
SERIES HIGH VOLTAGE THREE PHASE ASYNCHRONOUS INDUCTION MOTOR



PRODUCT INTRODUCTION

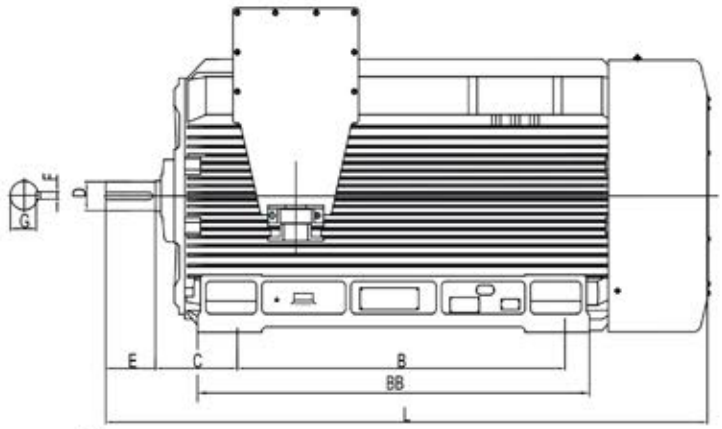
Y2 series high voltage motors are totally enclosed squirrel-cage motors. The motors are manufactured with protection class IP54, cooling method IC411,insulation class F, and mounting arrangement IMB3.The rated voltage is 6kv or 10KV.

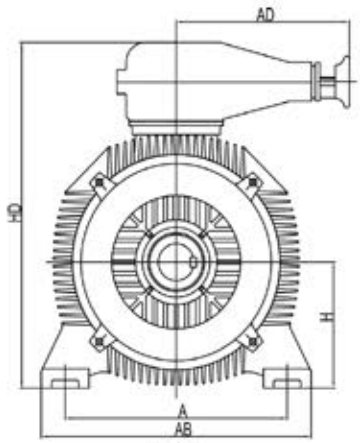
This series motors are designed with cast iron frame, which has small size and compact structure. The motors have good features of high efficiency, low noise, low vibration, reliable performance, easy installation and maintenance. It is widely applied to drive various machinery, such as compressor, ventilator, pump, and crusher. The motors can also be used as prime mover in petrochemical, medicine, mining fields and even in harsh environmental conditions.

SPECIFICATION

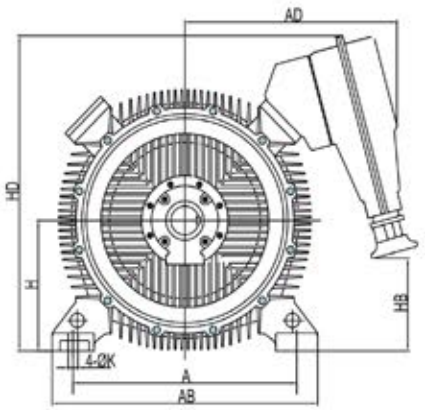
Frame size: H355-560mm（6kv） H450-560mm(10kv)
Rated power: 160kw-1600kw(6kv) 220kw-1400kw(10kv)
Voltage and frequency: 6kv/ 50Hz 10kv/50Hz
Degrees of protections: IP54
Degrees of insulation/Temperature rise: F
Installation Method: B3
Ambient temperature: -15℃~+40℃
Relative humidity should be less than 90%
Altitude should be lower than 1000 m above sea level
Cooling Method: IC411

Y2 Series High Voltage Three Phase Asynchronous Induction Motor(6kv)





H355-400



H450-560

Frame	Pole	A	B	C	D	E	F	G	H	K	AB	AD	BB	HB	HD	L
355	2	630	900	254	75	140	20	67.5	355	28	790	860	1110	210	1250	2000
355	4 6	630	900	254	100	210	28	90	355	28	790	860	1110	210	1250	2000
400	2	710	1000	280	85	170	22	76	400	35	870	860	1200	290	1340	2200
400	4 6 8	710	1000	280	110	210	28	100	400	35	870	860	1200	290	1340	2200
450	2	800	1120	280	95	170	25	86	450	35	950	930	1340	390	1340	2310
450	4	800	1120	280	120	210	32	109	450	35	950	930	1340	390	1340	2310
450	6 8	800	1120	280	130	250	32	119	450	35	950	930	1340	390	1340	2310
500	2	900	1250	315	110	210	28	100	500	42	1080	970	1490	470	1420	2610
500	4	900	1250	315	130	250	32	119	500	42	1080	970	1490	470	1420	2610
500	6 8	900	1250	315	140	250	36	128	500	42	1080	970	1490	470	1420	2610
560	2	1000	1400	355 (530)	130	250	32	119	560	42	1180	1030	1680	590	1480	2900
560	4	1000	1400	355	150	250	36	138	560	42	1180	1030	1680	590	1480	2900
560	6 8	1000	1400	355	160	300	40	147	560	42	1180	1030	1680	590	1480	2900

Note:C size of plain bearing motor is adopted(530)

Y2

6kV PERFORMANCE PARAMETERS

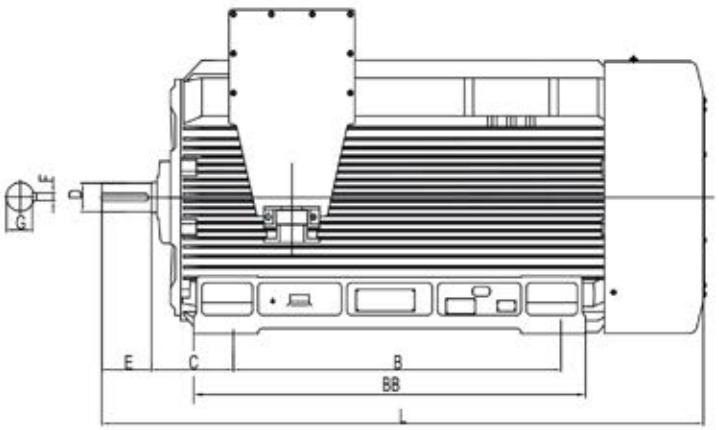
TYPE	kW	A	r/min	%	cos ϕ	Tst / Tn	Ist / In	Tmax / Tn	mm/s	dB(A)	G.m²	kg
Y2-3551-2	185	22.6	2985	93.9	0.84	0.7	7.0	2	2.8	109	8	2035
Y2-3552-2	200	24.4	2985	94.0	0.84	0.7	7.0	2	2.8	109	8.5	2075
Y2-3553-2	220	26.8	2985	94.2	0.84	0.7	7.0	2	2.8	109	9.5	2160
Y2-3554-2	250	30.3	2985	94.4	0.84	0.7	7.0	2	2.8	111	10	2215
Y2-3555-2	280	33.1	2985	94.6	0.86	0.7	7.0	2	2.8	111	11	2280
Y2-4001-2	315	37.2	2985	94.8	0.86	0.7	7.0	2	2.8	111	17	2630
Y2-4002-2	355	41.9	2985	94.9	0.86	0.7	7.0	2	2.8	111	18	2700
Y2-4003-2	400	47.1	2985	95.1	0.86	0.7	7.0	2	2.8	111	19.5	2830
Y2-4004-2	450	52.9	2985	95.2	0.86	0.7	7.0	2	2.8	111	21	2920
Y2-4501-2	500	58.0	2985	95.3	0.87	0.7	7.0	2	2.8	111	22	3200
Y2-4502-2	560	64.9	2985	95.4	0.87	0.7	7.0	2	2.8	112	24	3300
Y2-4503-2	630	73.0	2985	95.5	0.87	0.7	7.0	2	2.8	112	27	3500
Y2-4504-2	710	82.1	2985	95.7	0.87	0.7	7.0	2	2.8	112	30	3600
Y2-5001-2	800	91.5	2985	95.6	0.88	0.7	7.0	2	2.8	112	61	5360
Y2-5002-2	900	103	2985	95.7	0.88	0.7	7.0	2	2.8	112	65	5500
Y2-5003-2	1000	114	2985	95.9	0.88	0.7	7.0	2	2.8	112	69	5640
Y2-5004-2	1120	128	2985	96.0	0.88	0.7	7.0	2	2.8	113	75	5900
Y2-5601-2	1250	141	2985	96.1	0.89	0.7	7.0	2	2.8	113	111	5800
Y2-5602-2	1400	157	2985	96.3	0.89	0.7	7.0	2	2.8	113	119	5860
Y2-5603-2	1600	179	2985	96.5	0.89	0.7	7.0	2	2.8	113	127	5930
Y2-3551-4	185	22.6	1488	93.7	0.84	0.8	6.5	2	2.8	106	19	2120
Y2-3552-4	200	24.4	1488	93.9	0.84	0.8	6.5	2	2.8	106	21.5	2220
Y2-3553-4	220	26.8	1488	94.1	0.84	0.8	6.5	2	2.8	106	23	2290
Y2-3554-4	250	30.4	1488	94.3	0.84	0.8	6.5	2	2.8	108	24.5	2340
Y2-3555-4	280	33.9	1488	94.5	0.84	0.8	6.5	2	2.8	108	25.5	2400
Y2-4001-4	315	37.7	1488	94.6	0.85	0.8	6.5	2	2.8	108	32	2970
Y2-4002-4	355	42.4	1488	94.8	0.85	0.8	6.5	2	2.8	108	34	3080
Y2-4003-4	400	47.7	1488	95.0	0.85	0.8	6.5	2	2.8	108	37	3170
Y2-4004-4	450	53.5	1488	95.2	0.85	0.8	6.5	2	2.8	108	39	3250
Y2-4501-4	500	58.7	1488	95.3	0.86	0.8	6.5	2	2.8	108	52	3500
Y2-4502-4	560	65.7	1488	95.4	0.86	0.8	6.5	2	2.8	111	58	3700
Y2-4503-4	630	73.8	1488	95.5	0.86	0.8	6.5	2	2.8	111	65	3950
Y2-4504-4	710	83.1	1488	95.6	0.86	0.8	6.5	2	2.8	111	73	4200
Y2-5001-4	800	93.5	1488	95.7	0.86	0.8	6.5	2	2.8	111	130	5350
Y2-5002-4	900	105	1488	95.8	0.86	0.8	6.5	2	2.8	111	141	5540
Y2-5003-4	1000	117	1488	95.9	0.86	0.8	6.5	2	2.8	111	148	5700
Y2-5004-4	1120	131	1488	96.0	0.86	0.8	6.5	2	2.8	113	156	5800
Y2-5601-4	1250	144	1488	96.1	0.87	0.7	6.5	2	2.8	113	252	5900

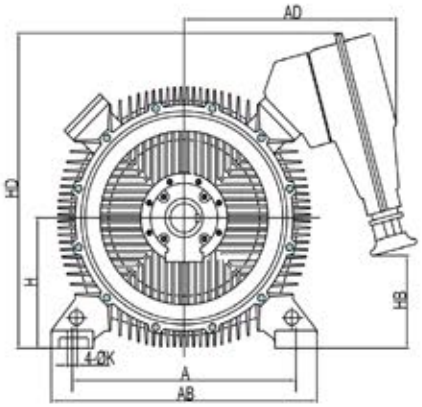
Y2

6kV PERFORMANCE PARAMETERS

TYPE	kW	A	r/min	%	cos ϕ	Tst / Tn	Ist / In	Tmax / Tn	mm/s	dB(A)	G.m²	kg
Y2-5602-4	1400	161	1488	96.2	0.87	0.7	6.5	2	2.8	113	272	5950
Y2-5603-4	1600	184	1488	96.4	0.87	0.7	6.5	2	2.8	113	305	6020
Y2-3553-6	160	20.6	987	96.4	0.80	0.8	6.0	2	2.8	102	26	2255
Y2-3554-6	185	23.8	987	93.5	0.80	0.8	6.0	2	2.8	102	28	2345
Y2-3555-6	200	25.7	987	93.6	0.80	0.8	6.0	2	2.8	102	31	2440
Y2-4001-6	220	27.5	987	93.8	0.82	0.8	6.0	2	2.8	102	47	3010
Y2-4002-6	250	31.2	987	93.9	0.82	0.8	6.0	2	2.8	105	50	3110
Y2-4003-6	280	34.9	987	94.1	0.82	0.8	6.0	2	2.8	105	53	3200
Y2-4004-6	315	39.2	987	94.3	0.82	0.8	6.0	2	2.8	105	57	3250
Y2-4501-6	355	43.6	987	94.5	0.83	0.8	6.0	2	2.8	105	64	3600
Y2-4502-6	400	49.0	987	94.6	0.83	0.8	6.0	2	2.8	105	73	3800
Y2-4503-6	450	55.1	987	94.7	0.83	0.8	6.0	2	2.8	105	81	4000
Y2-4504-6	500	61.1	987	94.9	0.83	0.8	6.0	2	2.8	105	90	4200
Y2-5001-6	560	68.3	987	95.1	0.83	0.8	6.0	2	2.8	108	177	5370
Y2-5002-6	630	76.7	987	95.2	0.83	0.8	6.0	2	2.8	108	184	5500
Y2-5003-6	710	86.4	987	95.3	0.83	0.8	6.0	2	2.8	108	191	5630
Y2-5004-6	800	97.2	987	95.4	0.83	0.8	6.0	2	2.8	108	202	5830
Y2-5601-6	900	108	987	95.6	0.84	0.7	6.0	2	2.8	108	388	5930
Y2-5602-6	1000	120	987	95.7	0.84	0.7	6.0	2	2.8	108	402	6020
Y2-5603-6	1120	134	987	95.8	0.84	0.7	6.0	2	2.8	110	423	6100
Y2-5604-6	1250	149	987	95.9	0.84	0.7	6.0	2	2.8	110	450	6150
Y2-4001-8	160	21.7	742	93.2	0.76	0.8	5.5	2	2.8	99	50	3020
Y2-4002-8	185	25.1	742	93.3	0.76	0.8	5.5	2	2.8	99	52	3090
Y2-4003-8	200	26.7	742	93.5	0.77	0.8	5.5	2	2.8	99	56	3150
Y2-4004-8	220	29.3	742	93.7	0.77	0.8	5.5	2	2.8	99	61	3260
Y2-4501-8	250	32.8	742	93.9	0.78	0.8	5.5	2	2.8	102	65	3600
Y2-4502-8	280	36.7	742	94.1	0.78	0.8	5.5	2	2.8	102	73	3800
Y2-4503-8	315	41.3	742	94.2	0.78	0.8	5.5	2	2.8	102	82	4000
Y2-4504-8	355	46.4	742	94.4	0.78	0.8	5.5	2	2.8	102	91	4200
Y2-5001-8	400	51.6	742	94.5	0.80	0.8	5.5	2	2.8	102	177	5380
Y2-5002-8	450	57.9	742	94.6	0.80	0.8	5.5	2	2.8	102	184	5510
Y2-5003-8	500	63.4	742	94.8	0.80	0.8	5.5	2	2.8	102	191	5640
Y2-5004-8	560	71.0	742	94.9	0.80	0.8	5.5	2	2.8	105	202	5850
Y2-5601-8	630	78.7	742	95.1	0.81	0.7	5.5	2	2.8	105	480	6200
Y2-5602-8	710	88.5	742	95.3	0.81	0.7	5.5	2	2.8	105	510	6240
Y2-5603-8	800	99.6	742	95.4	0.81	0.7	5.5	2	2.8	105	535	6320
Y2-5604-8	900	112	742	95.6	0.81	0.7	5.5	2	2.8	105	560	6400

Y2 Series High Voltage Three Phase Asynchronous Induction Motor(10kv)





H450-560

Frame	Pole	A	B	C	D	E	F	G	H	K	AB	AD	BB	HB	HD	L
450	2	800	1120	280	95	170	25	86	450	35	950	930	1340	390	1250	2310
450	4	800	1120	280	120	210	32	109	450	35	950	930	1340	390	1250	2310
450	6-8	800	1120	280	130	250	32	119	450	35	950	930	1340	390	1250	2310
500	2	900	1250	315	110	210	28	100	500	42	1080	970	1490	470	1320	2610
500	4	900	1250	315	130	250	32	119	500	42	1080	970	1490	470	1320	2610
500	6-8	900	1250	315	140	250	36	128	500	42	1080	970	1490	470	1320	2610
560	2	1000	1400	355 (530)	130	250	32	119	560	42	1180	1030	1680	590	1450	2900
560	4	1000	1400	355	150	250	36	138	560	42	1180	1030	1680	590	1450	2900
560	6-8	1000	1400	355	160	300	40	147	560	42	1180	1030	1680	590	1450	2900

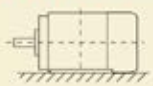
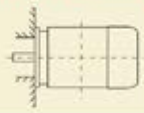
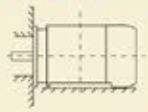
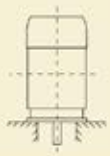
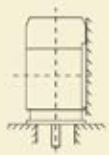
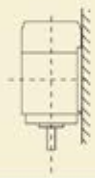
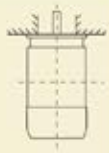
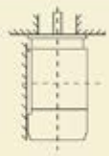
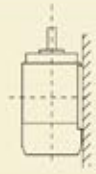
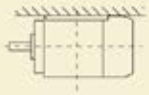
Note:C size of plain bearing motor is adopted(530)

Y2

10kV PERFORMANCE PARAMETERS

TYPE	kW	A	r/min	%	cos ϕ	Tst/Tn	Ist/In	Tmax/Tn	mm/s	dB(A)	G.m²	kg
Y2-4501-2	220	16.3	2985	92.8	0.84	0.7	7.0	2	2.8	111	17.0	2730
Y2-4502-2	250	18.5	2985	93.0	0.84	0.7	7.0	2	2.8	111	18.0	2800
Y2-4503-2	280	20.2	2985	93.1	0.86	0.7	7.0	2	2.8	111	19.5	2930
Y2-4504-2	315	22.7	2985	93.3	0.86	0.7	7.0	2	2.8	111	21.0	3120
Y2-4505-2	355	25.5	2985	93.5	0.86	0.7	7.0	2	2.8	111	22.0	3200
Y2-4506-2	400	28.6	2985	93.8	0.86	0.7	7.0	2	2.8	111	24.0	3300
Y2-4507-2	450	32.2	2985	93.9	0.86	0.7	7.0	2	2.8	111	27.0	3500
Y2-4508-2	500	35.3	2985	94.0	0.87	0.7	7.0	2	2.8	111	30.0	3600
Y2-5001-2	560	39.5	2985	94.2	0.87	0.7	7.0	2	2.8	112	48.0	5050
Y2-5002-2	630	44.3	2985	94.4	0.87	0.7	7.0	2	2.8	112	54.0	5200
Y2-5003-2	710	49.8	2985	94.6	0.87	0.7	7.0	2	2.8	112	61.0	5360
Y2-5004-2	800	55.4	2985	94.8	0.88	0.7	7.0	2	2.8	112	65.0	5500
Y2-5005-2	900	62.2	2985	95.0	0.88	0.7	7.0	2	2.8	112	69.0	5640
Y2-5601-2	1000	69.0	2985	95.1	0.88	0.7	7.0	2	2.8	112	75.0	5700
Y2-5602-2	1120	76.2	2985	95.3	0.89	0.7	7.0	2	2.8	112	111	5800
Y2-5603-2	1250	84.9	2985	95.5	0.89	0.7	7.0	2	2.8	112	119	5860
Y2-5604-2	1400	94.9	2985	95.7	0.89	0.7	7.0	2	2.8	112	127	5930
Y2-4501-4	220	16.3	1488	92.7	0.84	0.8	6.5	2	2.8	108	21.0	2810
Y2-4502-4	250	18.5	1488	92.9	0.84	0.8	6.5	2	2.8	108	34.0	3000
Y2-4503-4	280	20.7	1488	93.0	0.84	0.8	6.5	2	2.8	108	38.0	3160
Y2-4504-4	315	22.9	1488	93.3	0.85	0.8	6.5	2	2.8	108	43.0	3350
Y2-4505-4	355	25.8	1488	93.4	0.85	0.8	6.5	2	2.8	108	52.0	3500
Y2-4506-4	400	29.0	1488	93.6	0.85	0.8	6.5	2	2.8	108	58.0	3700
Y2-4507-4	450	32.6	1488	93.8	0.85	0.8	6.5	2	2.8	108	65.0	3950
Y2-4508-4	500	35.7	1488	94.0	0.86	0.8	6.5	2	2.8	108	73.0	4200
Y2-5001-4	560	40.0	1488	94.1	0.86	0.8	6.5	2	2.8	111	122	5130
Y2-5002-4	630	44.9	1488	94.3	0.86	0.8	6.5	2	2.8	111	130	5350
Y2-5003-4	710	50.4	1488	94.5	0.86	0.8	6.5	2	2.8	111	141	5540
Y2-5004-4	800	56.0	1488	94.8	0.87	0.8	6.5	2	2.8	111	148	5700
Y2-5005-4	900	62.9	1488	95.0	0.87	0.8	6.5	2	2.8	111	156	5800
Y2-5601-4	1000	69.8	1488	95.1	0.87	0.8	6.5	2	2.8	111	230	5850
Y2-5602-4	1120	77.2	1488	95.2	0.88	0.8	6.5	2	2.8	111	252	5900
Y2-5603-4	1250	86.0	1488	95.4	0.88	0.8	6.5	2	2.8	113	272	5950
Y2-5604-4	1400	96.1	1488	95.6	0.88	0.8	6.5	2	2.8	113	305	6020
Y2-4504-6	220	16.7	987	92.5	0.82	0.8	6.0	2	2.8	105	56.0	3400
Y2-4505-6	250	19.0	987	92.7	0.82	0.8	6.0	2	2.8	105	64.0	3600
Y2-4506-6	280	21.2	987	92.9	0.82	0.8	6.0	2	2.8	105	73.0	3800
Y2-4507-6	315	23.8	987	93.1	0.82	0.8	6.0	2	2.8	105	81.0	4000
Y2-4508-6	355	26.8	987	93.3	0.82	0.8	6.0	2	2.8	105	90.0	4200
Y2-5001-6	400	30.1	987	93.5	0.82	0.8	6.0	2	2.8	105	170	5250
Y2-5002-6	450	33.4	987	93.7	0.83	0.8	6.0	2	2.8	105	177	5370
Y2-5003-6	500	37.0	987	93.9	0.83	0.8	6.0	2	2.8	105	184	5500
Y2-5004-6	560	41.4	987	94.1	0.83	0.8	6.0	2	2.8	108	191	5630
Y2-5005-6	630	46.5	987	94.3	0.83	0.8	6.0	2	2.8	108	202	5830
Y2-5601-6	710	52.3	987	94.5	0.83	0.8	6.0	2	2.8	108	370	5840
Y2-5602-6	800	58.8	987	94.7	0.83	0.8	6.0	2	2.8	108	388	5930
Y2-5603-6	900	65.2	987	94.9	0.84	0.7	6.0	2	2.8	108	402	6020
Y2-5604-6	1000	72.3	987	95.1	0.84	0.7	6.0	2	2.8	108	423	6100
Y2-5605-6	1120	80.8	987	95.3	0.84	0.7	6.0	2	2.8	108	450	6150
Y2-4506-8	220	18.3	742	92.4	0.75	0.8	5.5	2	2.8	102	73.0	3800
Y2-4507-8	250	20.8	742	92.6	0.75	0.8	5.5	2	2.8	102	82.0	4000
Y2-4508-8	280	22.6	742	92.8	0.77	0.8	5.5	2	2.8	102	91.0	4200
Y2-5002-8	315	25.4	742	93.0	0.77	0.8	5.5	2	2.8	102	170	5250
Y2-5003-8	355	28.6	742	93.2	0.77	0.8	5.5	2	2.8	102	177	5380
Y2-5004-8	400	31.3	742	93.4	0.79	0.8	5.5	2	2.8	102	184	5510
Y2-5005-8	450	35.2	742	93.5	0.79	0.8	5.5	2	2.8	102	191	5640
Y2-5601-8	500	39.0	742	93.7	0.79	0.8	5.5	2	2.8	105	450	6100
Y2-5602-8	560	43.6	742	93.9	0.79	0.8	5.5	2	2.8	105	480	6200
Y2-5603-8	630	48.3	742	94.1	0.8	0.7	5.5	2	2.8	105	510	6240
Y2-5604-8	710	54.3	742	94.3	0.8	0.7	5.5	2	2.8	105	535	6320
Y2-5605-8	800	61.1	742	94.5	0.8	0.7	5.5	2	2.8	105	560	6400

MOUNTING TYPE

FOOT MTG HORIZ	FLANGE MTG	FOOT/FLANGE MTG	FOOT MTG VERT
B3 IM1001 H80 ~ 355 	B5 IM3001 H80 ~ 315 	B35 IM2001 H80 ~ 355 	
B6 IM1051 H80 ~ 160 	V1 IM3011 H80 ~ 355 	V15 IM2011 H80 ~ 160 	V5 IM1011 H80 ~ 160 
B7 IM1061 H80 ~ 160 	V3 IM3031 H80 ~ 160 	V36 IM2031 H80 ~ 160 	V6 IM1031 H80 ~ 160 
B8 IM1071 H80 ~ 160 			

LIMITS OF MAXIMUM VIBRATION WITH NO LOAD

Vibration grade	Shaft height mm	56<H ≤ 132			132<H ≤ 280			H>280		
	Mounting	Displac. μm	Vel. mm/s	Acc. m/s^2	Displac. μm	Vel. mm/s	Acc. m/s^2	Displac. μm	Vel. mm/s	Acc. m/s^2
A	Free suspension	25	1.6	2.5	35	2.2	3.5	45	2.8	4.4
	Rigid mounting	21	1.3	2	29	1.8	2.8	37	2.3	3.6
B	Free suspension	11	0.7	1.1	18	1.1	1.7	29	1.8	2.8
	Rigid mounting	—	—	—	14	0.9	1.4	24	1.5	2.4

Grade "A" applies to machines with no special vibration requirements.
Grade "B" applies to machines with special vibration requirements. Rigid mounting is not considered acceptable for machines with shaft heights less than 132 mm.
The interface frequencies for displacement/velocity and velocity/acceleration are 10 Hz and 250 Hz respectively.

NOTE :

1. The manufacturer and the purchaser should take into account that the instrumentation can have a measurement tolerance of ± 10 %.
2. The shaft height of a machine without feet, or a machine with raised feet, or any vertical machine is to be taken as the shaft height of a machine in the same basic frame, but of the horizontal shaft foot-mounting type.
3. A machine which is well-balanced in itself, may exhibit large vibrations when installed in-situ arising from various causes, such as unsuitable foundations, reaction of the driven machine, current ripple from the power supply, etc. Vibration may also be caused by driving elements with a natural oscillation frequency very close to the excitation due to the small residual unbalance of the rotating masses of the machine. In such cases, checks should be carried out not only on the machine, but also on each element of the installation. (See ISO 10816-3).

ORDERING INFORMATION :

• This catalogue is only a reference for users. Please forgive that if any change of products will not make additional specify in advance.

• Please note the rated data when ordering, such as the motor type, power, voltage, speed, insulation class, protection class, mounting type and so on.

• We can design and produce special motors as followed according to the requirement of customer:

1. special voltage, frequency and power;
2. special insulation class and protection class;
3. with terminal box on the left side, double shaft ends and special shaft;
4. high temperature motor or low temperature motor;
5. used on plateau or outdoor;
6. higher power or special service factor;
7. with heater, PT100 for bearings or winding, PTC and so on;
8. with encoder, insulated bearings, or insulated bearing structure;
9. with others requirement.

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