SISTEMA®

Low Voltage Motor
IEC/GOST/NEMA all in one.

Products Catalogue

Corporate philosophy

- **Mission: Social Respected Company.**
- **Vision: The World's Trusted Motor Manufacturer and Service Provider.**
- **Core Values: Integrity And Responsibility.**
- **Spirit Of Enterprise: Establish Good Moral Standing, Produce Perfect Products**

CONTENT

Main Applications of Motor

Building water supply

Floor grinding equipment

Animal husbandry circulation fan

Crane

Spraying equipment

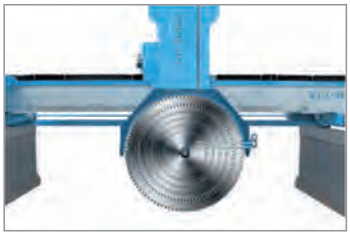
Hydraulic equipment

Textile machinery

Gear reducer

Vacuum pump

Wind power generation



Stone machinery

Air compressor

IEC/GB General Information About Motor Selection

Reference standards

Standard title	IEC标准 IEC standard	相关GB标准 Relative GB standard
General regulations for rotation and electrical machines–Part 1: Rating and performance	IEC60034–1	GB/T755
Rotating electrical machines–Part 1:Standard methods for determining losses and efficiency from tests (excluding machines for traction vehicles)	IEC60034–2	GB/T 1032
Degrees of protection for rotating	IEC60034–5	GB/T 4942.1
Cooling methods for rotation electrical machines	IEC60034–6	GB/T 1993
Rotating electrical machines – Classification of types of construction, mounting arrangements and terminal box position for(IM Code)	IEC60034–7	GB/T 997
Terminal markings and direction rotation of rotating electrical machines	IEC60034–8	GB/T 1971
Rotating electrical machines–Part 9:Noise limits	IEC60034–9	GB/T10069.3
Rotation electrical machines–Part 12: Starting performance of single–speed three phase cage induction motors	IEC60034–12	GB/T 21210
Mechanical vibrations of rotating electrical machines	IEC60034–14	GB/T 10068
Rotating electrical machines–Part 30–1: Efficiency classes of line operated AC motors (IE code)	IEC60034–30	GB18613
AC induction motors for general use with standardized dimensions and power	IEC60072–1	GB/T 4772.1
Electrical insulation–Thermal classification	IEC60085	GB/T 11021
IEC standard voltage	IEC60038	GB/T 156
YE3 series (IP55) three phase induction motor technical specification (Frame size 63~355)		GB/T28575
YE4 series (IP55) three phase induction motor technical specification (Frame size 80~450)		JB/T13299
Safety requirements of small and medium size rotating electrical machines		GB/T14711

Mechanical characteristics

Connection box & cable entry

The connection box is located on the top of motor housing as standard. It is allowed to rotated by 4x90° for easy connection from each direction. Normally, there are 2 cable entries in connection box. One is sealed by a cable gland, the another is not used or sealed by screwed plug.

Besides the standard position, the connection box can be also placed on the left and right side of motor housing.

Bearing

Bearing type

Standard series of motors are supplied with ball bearing. These are either of the sealed or opened bearings. The open bearings will be used with re-greasable type of end shields together.

Bearing lubrication

Power	Recommended re-greasing time interval (hours)		
	2P	4P	6P
7.5~22	4200	7000	8500
30~45	3100	6500	8500
55	2000	6000	7000
75~90	2000	6000	6500
110~200	1500	5500	6500
250~355	1000	4000	5000

The lubrication interval of re-greasable bearings depends on the running speed of the motor and the bearing temperature. The table below shows the recommended lubrication intervals for 70°C as a working temperature of the bearings of each pole of motor.

Smaller motors usually have greased, sealed-for-life bearings.

- **Bearing nominal lifetime**

Generally, the bearing lifetime is defined by the bearing size, the bearing load, the operating condition, the speed and the grease lifetime.

The bearing lifetime of motors with horizontal type of construction, operated at 50Hz frequency is at least 40,000 hours theoretically if there is no additional axial loading at the coupling output and at least 20,000 hours with the maximum admissible loads.

When the motor operates outside of normal conditions, the bearing life will be reduced, such as the following conditions.

• When motor runs beyond the rated speed, the increase of motor vibration will result in the extra radial and axial force on bearing. This will reduce the life of bearing;

•When the motor vibration increase due to the environment or other equipment, the bearing also will reduce the life of bearing;

• If the coolant temperature is increased by 10℃, the grease lifetime and re-greasing interval is halved.

Bearing, shaft seal and gland type of normal motor

- **Aluminium housing**

Motor series	Frame size	Pole	DE Bearing	NDE Bearing	Oil-seal Drive end	Oil-seal Non-drive end	Gland Size
MS/MSE2/MSE3/MSE4	56	2/4/6/8	6201	6201	ϕ12xϕ22x5	ϕ12xϕ22x5	MG16x1.5
MS/MSE2/MSE3/MSE4	63	2/4/6/8			ϕ12xϕ24x6	ϕ12xϕ24x6	
MS/MSE2/MSE3/MSE4	71	2/4/6/8	6202	6202	ϕ15xϕ25x7	ϕ15xϕ25x7	
MS/MSE2/MSE3/MSE4	80	2/4/6/8	6204	6204	ϕ20xϕ30x7(B3) ϕ20xϕ34x7(B5)	ϕ20xϕ30x7	MG20x1.5
MS/MSE2/MSE3/MSE4	90	2/4/6/8	6205	6205	ϕ25xϕ37x7	ϕ25xϕ37x7	
MS/MSE2/MSE3/MSE4	100	2/4/6/8	6206	6206	ϕ30xϕ42x7	ϕ30xϕ42x7	
MS/MSE2/MSE3/MSE4	112	2/4/6/8	6306	6306			MG28x1.5
MS/MSE2/MSE3/MSE4	132	2/4/6/8	6308	6308	ϕ40xϕ58x8	ϕ40xϕ58x8	
MS/MSE2/MSE3/MSE4	160	2/4/6/8	6309	6209	ϕ45xϕ65x8	ϕ45xϕ65x8	MG30x1.5

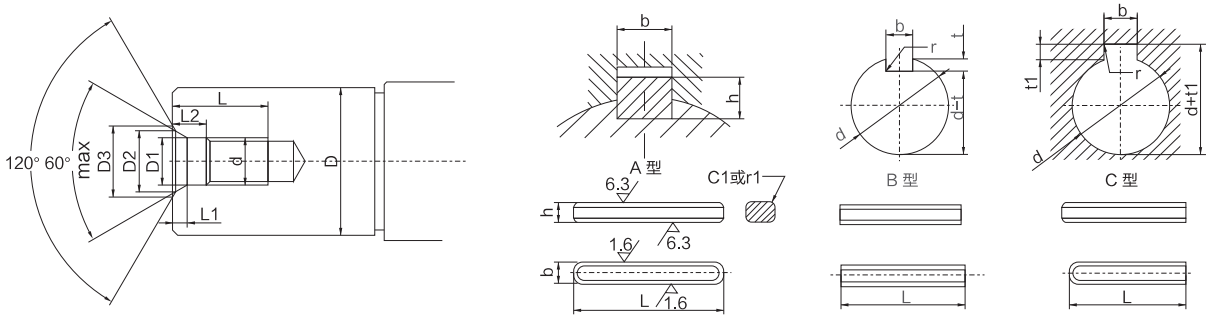
- Cast iron housing

Motor series	Frame size	Pole	DE Bearing	NDE Bearing	Oil-seal Drive end	Oil-seal Non-drive end	Gland Size
Y2/YE2/YE3/YE4	80	2/4/6/8	6204	6204	ϕ 20xϕ 30x7	ϕ 20xϕ30x7	MG25x1.5
Y2/YE2/YE3/YE4	90	2/4/6/8	6205	6205	ϕ 25xϕ 37x7	ϕ 25xϕ37x7	MG25x1.5
Y2/YE2/YE3/YE4	100	2/4/6/8	6206	6206	ϕ 30xϕ 42x7	ϕ 30xϕ42x7	MG25x1.5
Y2/YE2/YE3/YE4	112	2/4/6/8	6306	6306	ϕ 30xϕ 42x7	ϕ 30xϕ42x7	MG30x1.5
Y2/YE2/YE3/YE4	132	2/4/6/8	6308	6308	ϕ 40xϕ 52x7	ϕ 40xϕ52x7	MG30x1.5
Y2/YE2/YE3/YE4	160	2	6309	6309	ϕ45xϕ65x8	ϕ45xϕ65x8	MG36x1.5
Y2/YE2/YE3/YE4		4/6/8	6309				
Y2/YE2/YE3/YE4	180	2	6311	6311	ϕ72xϕ55x8	ϕ72xϕ55x8	MG36x1.5
Y2/YE2/YE3/YE4		4/6/8	6311				
Y2/YE2/YE3/YE4	200	2	6212	6212	ϕ75xϕ60x8	ϕ75xϕ60x8	MG50x1.5
Y2/YE2/YE3/YE4		4/6/8	6312		ϕ80xϕ60x8		
Y2/YE2/YE3/YE4	225	2	6312	6312	ϕ 80xϕ60x8	ϕ80xϕ60x8	MG50x1.5
Y2/YE2/YE3/YE4		4/6/8	6313	6313	ϕ 85xϕ65x8		
Y2/YE2/YE3/YE4	250	2	6313	6313	ϕ 85xϕ65x8	ϕ85xϕ65x8	MG63x1.5
Y2/YE2/YE3/YE4		4/6/8	6314	6314	ϕ 90xϕ70x12		
Y2/YE2/YE3/YE4	280	2	6314	6314	ϕ 90xϕ70x12	ϕ90xϕ70x12	MG63x1.5
Y2/YE2/YE3/YE4		4/6/8	6317	6317	ϕ100xϕ85x12	ϕ100xϕ85x12	
Y2/YE2/YE3/YE4	315	2	6317	6317	ϕ110xϕ85x12	ϕ110xϕ85x12	MG63x1.5
Y2/YE2/YE3/YE4		4/6/8	NU319	6319	ϕ120xϕ95x12	ϕ120xϕ95x12	
Y2/YE2/YE3/YE4	355	2	6319	6319	ϕ120xϕ95x12	ϕ120xϕ95x12	MG72x2
Y2/YE2/YE3/YE4		4/6/8	Nu322	6322	ϕ140xϕ110x12	ϕ140xϕ110x12	

Center hole and key slot dimensions of shaft extension

On shaft extension end, there are center hole and key slot for the connection with load through coupling. There are three types of slot, type A, B and C. Type A is adopted as key slot for standard motor.

The dimensions of center hole and key slot please refer to table below.



No	Frame size	Center hole	key slot width (mm)	key slot depth (mm)
1	56	M3*10	3	1.8
2	63	M4*15	4	2.5
3	71	M5*20	5	3
4	80	M6*25	6	3.5
5	90	M8*25	8	4
6	100	M10*30	8	4
7	112	M10*30	8	4
8	132	M12*35	10	5
9	160	M16*55	12	5
10	180	M16*55	14	5.5

No	Frame size	Center hole	key slot width (mm)	key slot depth (mm)
11	200	M20*42	16	6
12	225-2	M20*42	16	6
13	225-4.6.8	M20*42	18	7
14	250	M20*42	18	7
15	280-2	M20*42	18	7
16	280-4.6.8	M20*42	20	7.5
17	315-2	M20*42	18	7
18	315-4.6.8	M20*42	22	9
19	355-2	M24*50	20	7.5
20	355-4.6.8	M24*50	25	9

Notes: special requirements follow the agreement between both parties.

Protection degree

Standard motor adopts IP55 protection degree. The description of protection degree please refer to the graphic illustration.

- **Explanation of IP code**

Ingress protection	Protection degree of solid objects	Protection degree of liquid
IP	5	5

Protection degree of solid objects	
2	Motors protected against solid objects greater than 12mm
3	Motors protected against solid objects greater than 2.5mm
4	Motors protected against solid objects greater than 1mm
5	Dust–protected motors
6	Dust–tight motors

Protection degree of liquid	
3	Motors protected against spraying water
4	Motors protected against splashing water
5	Motors protected against water jects
6	Motors protected against heavy seas or water projected in powerful jet
7	Motors protected against the effects of immer sion
8	Motors protected against the effects of continuous submersion

Cooling and ventilation

The standard motors adopt IC411 (TEFC-totally enclosed fan cooling) method that in accordance with IEC 60034-6.

For VFD applications, while motors operate lower than 60%~70% of rate frequency, the self ventilation is not adequate, an optional external blower should be ordered. For example,

- While motor operating at low speed, the separately constant-speed fan is recommended to be used to guarantee the ventilation effect.
- While motor operating significantly higher than the synchronous speed, the separately fan is also recommended to be used. It is helpful to reduce the motor noise.

The fan is optional with power supply 220V/380V at 50Hz. Other options of power supply need a special request.

- **Explanation of the cooling code**

International cooling	Circuit arrangement	Primary coolant	Method of movement of primary coolant	Secondary coolant	Method of movement of secondary coolant
IC	4	(A)	1	(A)	6

4: Circuit arrangement
- 0: Free circulation
- 4: Housing surface

(A): Primary coolant
- A: For air (omitted for simplified designation)
- W: For water

1: Method of movement of primary coolant
- 0: Free convection
- 1: Self-circulation
- 6: Machine-mounted independent component

(A): Secondary coolant
- A: For air (omitted for simplified designation)
- W: For water

6: Method of movement of secondary coolant
- 0: Free convection
- 1: Self-circulation
- 6: Machine-mounted independent component
- 8: Relative displacement

Noise levels

- **The motor noise with no load of A-weighted sound power level**

Frame size	Synchronous speed (r/min)				
	3000	1500	1000	750	600
63	61	52	–	–	–
71	64	55	52	–	–
80	62	56	54	52	–
90	67	59	57	56	–
100	74	64	61	59	–
112	77	65	65	61	–
132	79	71	69	64	–
160	81	73	73	68	–
180	83	76	73	70	–
200	84	76	73	73	–
225	86	78	74	73	–
250	89	79	76	75	–
280	91	80	78	76	–
315	92	88	83	82	82
355	100	95	85	89	90

The noise level of totally enclosed fan cooling motors (cooling method: IC411) operating with no load at 50Hz refers to GB/T 28575-2020 "YE3 series(IP55)three phase induction motor technical specification, frame size 63~355".

The table shows the mean value of A-weighted sound power level specified in dB(A).

- **The allowable increment of motor noise with full load of A-weighted sound power level**

Frame size	Synchronous speed (r/min)				
	3000	1500	1000	750	600
63≤H≤160	2	5	7	8	–
180≤H≤200	2	4	6	7	–
225≤H≤280	2	3	6	7	–
H =315	2	3	5	6	7
H =355	2	2	4	5	6

The table shows the allowable increment of motor noise operating with full load specified as A-weighted sound power level refer to standard GB/T 28575-2020 "YE3 series (IP55) three phase motor technical specification (frame size 63~355)".

- **Vibration**

Frame size	63 ≤H≤132		H>132	
Mounting arrangement	Displacement μm	Speed mm/s	Displacement μm	Speed mm/s
Free Suspension	45	2.8	45	2.8
Rigid mounting	-	-	37	2.3

Theeffectivevibrationofmotorrunningatnoloadshouldnotexceed thevalueintablebelow.

Motor surface treatment

- It is recommended to use RAL, or Pantone color for motor surface paint.
- It is recommended to select one from the following four colors that commonly used for standard motor.

  RAL 5010 Blue glossy lacquer

  RAL 9005 Black flat lacquer

  RAL 9006 Aluminum color

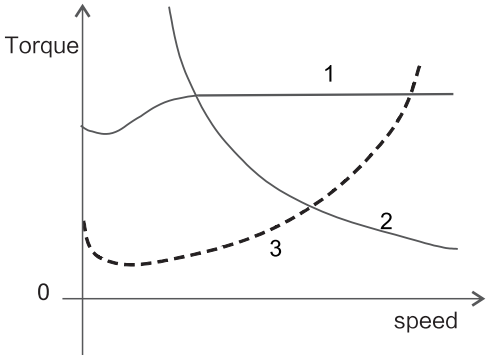
  Haineng Green

  Special color of paint could be negotiated by both parties.
- Anti-corrosion grade

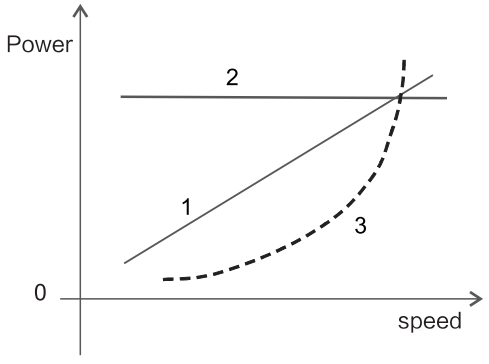
  The anti-corrosion grade of normal motor paint is C2. It can be reached up to C5H per customer's special requirements.

Electrical characeristics

- **Load torque characteristics**



Torque-speed characteristic



Torque-speed characteristic

1. Torque almost constant, power proportional to speed. For example, conveyor, mixer, extruding machine, crane, and elevator, etc.

2. Power constant, torque decreases in inverse proportional to the speed. For example, turning lathe, rolling mill, paper machine, wire drawing machine and recoiling machine, etc.;

3. Torque increases proportionally with the square of the speed, power proportional to the cube of the speed. For example, a variety of fan, water pump, oil pump and other fluid load, etc.

- **Rated output**

The rated output power refers to continuous duty (S1) in accordance with IEC 60034−1 when operated at −15℃~ +40℃ ambient temperature, and at site altitudes less than 1000m over sea.

Environmental conditions

- **The operation environmental conditions of standard motor are as follow.**

Ambient or coolant temperature	Altitude above sea level				
	1000m	1500m	2000m	2500m	3000m
30℃	100%	100%	100%	98%	95%
35℃	100%	100%	97%	94%	91%
40℃	100%	97%	93%	90%	87%
45℃	95%	92%	88%	85%	83%
50℃	90%	87%	84%	81%	78%
55℃	85%	82%	80%	77%	74%
60℃	80%	78%	76%	73%	70%

Notes: the value gives the percentage of rated output of motor running under standard environment conditions.

- Protection degree: IP55
- Cooling method: IC411
- The standard motor would not be used over 1000m above sea level
- Allowed ambient temperature: −15℃~+40℃
- The output should be adjusted in case of motor operating environment conditions changed.
- The value in table below shows the output of motor operating above 1000m, and higher ambient temperature.

Standard 60034-1	Category A	Category B
Voltage deviation	±5 %	±10 %
Frequency deviation	±2 %	3%/−5%

According to standard, longer operation is not recommended for Category B.

According to IEC 60034−1, it is classified into Category A (combination of voltage deviation ±5 % and freuency deviation ±2 %) and Category B (combination of voltage deviation ±10% and frequency deviation +3%/−5%) for voltage and frequency fluctuations. The motors can supply their rated torque in both Category A and B. In Category A, the temperature rise is approximately 10K higher than during normal operation.

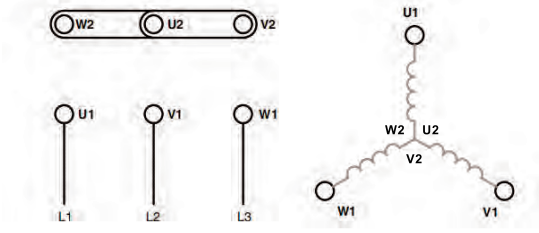
Allowance of electrical data

- Efficiency η
  Pn≤150kW: −15% x (1− η)
  Pn>150kW: −10% x (1− η)
- Power factor: (1−cos ϕ)/6
  Minimum absolute value: 0.02
  Maximum absolute value: 0.07
- Slip: ±20%
  (for motor Pn<1kW, ±30% is admissible)
- Locked rotor current: ±20%
- Locked rotor torque: −15%~+25%
- Breakdown torque: −15%

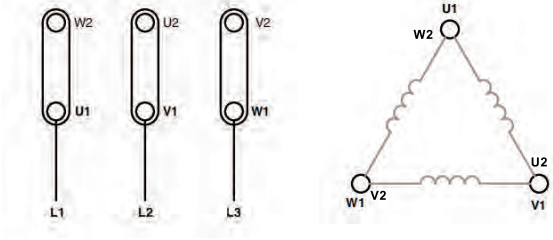
Cable connection

Generally, there are 6 leads from motor. The connection method is as follow, for example, an order with the rated voltage 380V.

- When Pn≤3kW, motor was connected in Y type (using 220/380V scheme);
- When Pn≥4kW, motor was connected in △ type (using 380/660V scheme).
- Other special connection could be negotiated.



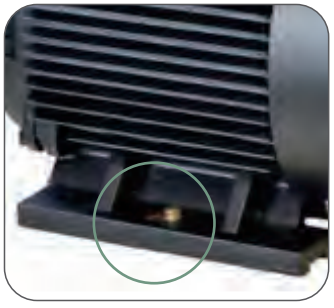
Y Star connection



△ Delta connection

Grounding

- Standard grounding method: use brass or galvanized steel screw for grounding inside connection box.
- Optional: use brass screw on foot, or end shield for grounding.

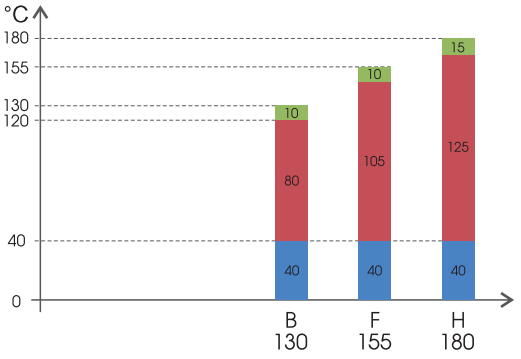


Insulation class

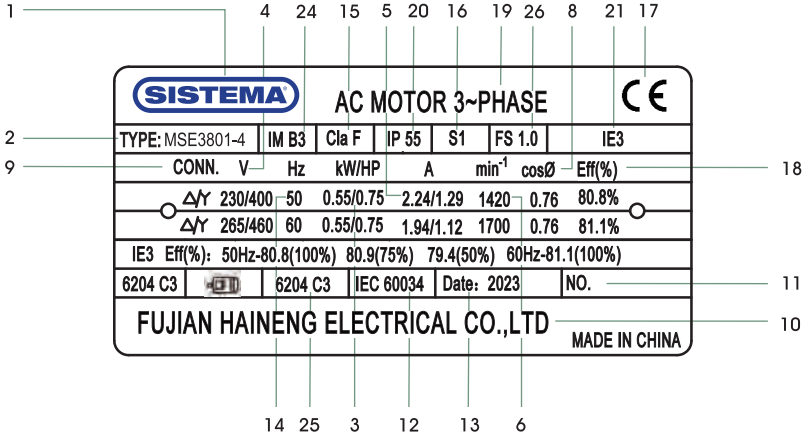
- Generally, it adopts class F insulation system with class B temperature rise for standard motor. It gives more safety margin that could extend the insulation life.
- The ambient temperature is calculated by 40°C according to standard, and leave 10K as margin.

Common insulation class	B	F	H
(℃) Max permissible working temperature	130	155	180
(℃) Ambient temperature	40	40	40
(K) Temperature rise limit	80	105	125

The temperature rise limits of commonly used insulation class are as follow.

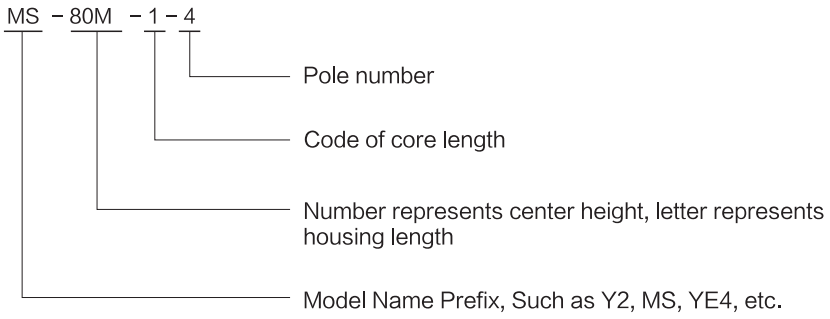


Nameplate



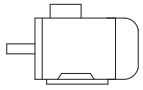
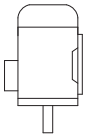
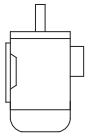
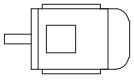
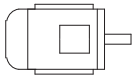
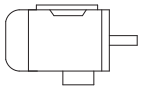
1 Trade mark/Logo
2 Product model
3 Rated output (kW)
4 Rated voltage (V)
5 Rated current (A)
6 Rated speed (r/min)
7 Weight (Kg)
8 Power factor
9 Connection method
10 Company name
11 Series number of production
12 Product Standard
13 Production date
14 Frequency
15 Insulation class
16 Duty
17 Product certification
18 Efficiency value
19 Description of motor type
20 Protection grade
21 Efficiency grade
22 Energy saving certification (Option)
23 certification number(Option)
24 mounting type
25 Bearing type
26 SF

Description of product model

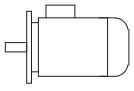
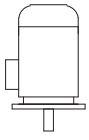
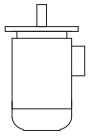
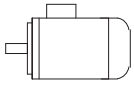
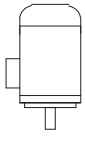
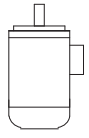


Mounting arrangements

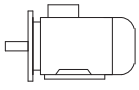
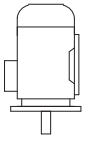
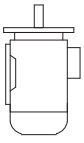
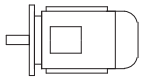
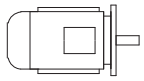
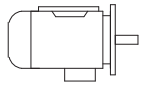
Foot mounted motor

					
IM B3	IM V5	IM V6	IM B6	IM B7	IM B8
IM 1001	IM 1011	IM 1031	IM 1051	IM 1061	IM 1071

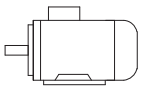
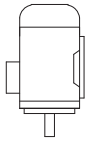
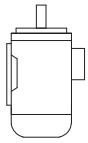
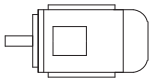
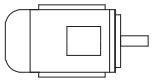
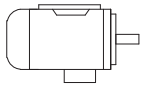
Large flange mounted motor | **Small flange mounted motor**

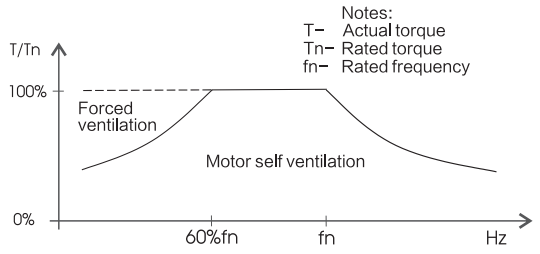
					
IM B5	IM V1	IM V3	IM B14	IM V18	IM V19
IM 3001	IM 3011	IM 3031	IM 3601	IM 3611	IM 3631

Foot and large flange mounted motor with feet

					
IM B35	IM V15	IM V36	*	*	*
IM 2001	IM 2011	IM 2031	IM 2051	IM 2061	IM 2071

Foot and small flange mounted motor with feet

					
IM B34	IM V17	*	*	*	*
IM 2101	IM 2111	IM 2131	IM 2151	IM 2161	IM 2171



Admissible load torque depend of motor frequency

Converter-fed operation

- While motor were fed with frequency converter with rated output, It is necessary to consider the negative effects of sharp impulse voltage, harmonic wave loss and shaft current on motor insulation, temperature rise and bearing electro-corrosion.
- While motor rated power Pn≧100KW,it is recommended to use insulated bearing, or insulated end shields. The filter could be added at power supply end if necessary.
- While motor operates under admissible torque, it can be operated with self-fan.
- While motor operates over the admissible torque, the forced ventilation is needed.
- At operating speeds above rated speed, the noise and vibration levels will be increased and the bearing lifetime reduced. Attention should be paid to the re-greasing intervals and the grease service life.

Motor protection

- PTC thermistors protection

  The thermistors is installed in motor winding. It should be used with PTC protection module together. When PTC reaches limiting temperature, the protection module will cut the auxiliary circuit to protect motor from damage.

  It is recommended to use it while motor with heavy duty starting, frequently starting, high ambient temperature, wide load variation and fluctuating supply system.

- PTO thermal switch protection

  PTO is functionally similar to PTC. It is installed in motor winding. For small motor, it could be connected with winding in series, or connected into control circuit either. When PTC reaches limiting temperature, the protection module will cut the auxiliary circuit to protect motor from damage.

- PT100/PT1000 resistance thermal-meter protection

  PT100/PT1000 thermal-meter is a high precision, high sensitivity senor. Its resistance is linear with temperature.

  It is normally used in some demanding application as bearing overheat protection.

- Anti-condensation heater

  Motors whose winding are at risk of condensation due to the climate conditions, e.g. inactive motors in humid atmospheres or motors that are subjected to widely fluctuating temperature can be equipped with anti-condensation heaters.

- Humid climate and marine climate protection

  While motor operates in humid climate and marine climate, it necessary to do anti-moisture, anti-mildew and anti-salt fog treatment to motor winding and paint.

Y2/YE2 (IE1&IE2)

Series Cast Iron Three Phase Induction Motor

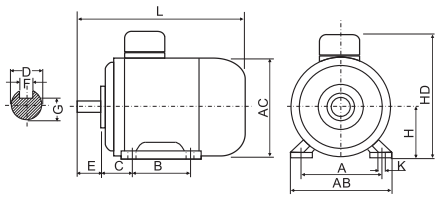
General Informations

Y2 serials are 3 phase asynchronous motors with totally enclosed fan cooled. It is according with standard IEC, GB, etc.

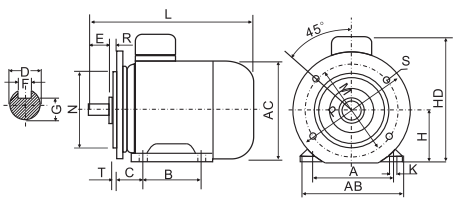
Features

- Frame Size Range: H80~H355
- Rated Power Range: 0.55KW~315KW (50Hz)
- Housing Material: Frame, flange and bracket - grey cast iron; conduit box-steel (grey cast iron is available)
- Standard Color: Haineng green
- Standard Mounting Construction: IEC60034-7
- Protect Enclosed Class: IP55 (IEC60034-5)
- Cooling Method: IC411 (IEC60034-6)
- Y2/YE2-2P, 4P, 6P motors meet with Efficiency Grade 2 according to Standard GB18613-2012.
- Motors H80~H132 adopt skeleton type oil seal on the driving end, (the oil seal is available as request). Motor ≥ H160 adopt skeleton type oil seal to seal on the driving end as standard.
- The special winding design can work for multi-voltages (50Hz or 60Hz)
- Can withstand 1.5 times of the rated current for 2 minutes (IEC60034-1)
- Anti-condensation heater is available. (space heater)
- PTC or Pt100 thermistor are available to protect the winding and bearing.

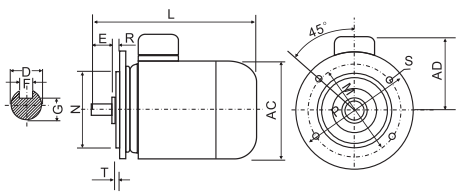
IMB3



IMB35



IMB5



Outline & Installation Dimensions

Frame Size	Mounting Dimensions (mm)																			Overall Dimensions(mm)					
	A	B	C	D		E		F		G		H	K	M	N	P	R	S	T	AB	AC	AD	HD	L	
				2P	4,6,8,10P	2P	4,6,8,10P	2P	4,6,8,10P	2P	4,6,8,10P													2P	4,6,8,10P
63	100	80	40		11		23		4		8.5	63	7	115	95	140	0	10	3	135	130	70	180		230
71	112	90	45		14		30		5		11	71	7	130	110	160	0	10	3.5	150	145	80	195		255
80	125	100	50		19		40		6		15.5	80	10	165	130	200	0	12	3.5	165	175	145	220		295
90S	140	100	56		24		50		8		20	90	10	165	130	200	0	12	3.5	180	195	155	250		320
90L	140	125	56		24		50		8		20	90	10	165	130	200	0	12	3.5	180	195	155	250		345
100L	160	140	63		28		60		8		24	100	12	215	180	250	0	15	4	205	215	180	270		385
112M	190	140	70		28		60		8		24	112	12	215	180	250	0	15	4	230	240	190	300		400
132S	216	140	89		38		80		10		33	132	12	265	230	300	0	15	4	270	275	210	345		470
132M	216	178	89		38		80		10		33	132	12	265	230	300	0	15	4	270	275	210	345		510
160M	254	210	108		42		110		12		37	160	15	300	250	350	0	19	5	315	330	255	400		620
160L	254	254	108		42		110		12		37	160	15	300	250	350	0	19	5	315	330	255	400		665
180M	279	241	121		48		110		14		42.5	180	15	300	250	350	0	19	5	355	380	280	440		700
180L	279	279	121		48		110		14		42.5	180	15	300	250	350	0	19	5	355	380	280	440		740
200L	318	305	133		55		110		16		49	200	19	350	300	400	0	19	5	410	420	305	500		776
225S	356	286	149	-	60	-	140	-	18	-	53	225	19	400	350	450	0	19	5	445	470	335	555	-	810
225M	356	311	149	55	60	110	140	16	18	49	53	225	19	400	350	450	0	19	5	445	470	335	550	805	835
250M	406	349	168	60	65	140	140	18	18	53	58	250	24	500	450	550	0	19	5	485	510	370	615		910
280S	457	368	190	65	75	140	140	18	20	58	67.5	280	24	500	450	550	0	19	5	550	580	410	660		980
280M	457	419	190	65	75	140	140	18	20	58	67.5	280	24	500	450	550	0	19	5	550	580	410	660		1030
315S	508	406	216	65	80	140	170	18	22	58	71	315	28	600	550	660	0	24	6	630	645	630	825	1180	1275
315M	508	457	216	65	80	140	170	18	22	58	71	315	28	600	550	660	0	24	6	630	645	630	830	1290	1320
315L	508	508	216	65	80	140	170	18	22	58	71	315	28	600	550	660	0	24	6	630	645	630	830	1290	1320
355M	610	560	254	75	95	140	170	20	25	67.5	86	355	28	740	680	800	0	24	6	730	710	655	1010	1510	1540
355L	610	630	254	75	95	140	170	20	25	67.5	86	355	28	740	680	800	0	24	6	730	710	655	1010	1510	1540

IE1

Technical Data

Model	Rated Power		Rated Current (A)									Speed	Tn	Eff.	P.F.	Tst/Tn	Tmax/Tn	Ist/In	N.G
	kW	HP	220V	380V	660V	230V	400V	690V	240V	415V	720V	rpm	N.m	η(%)	cosφ				kg
Y2-631-2	0.18	0.25	1.19	0.69	0.40	1.14	0.66	0.38	1.09	0.63	0.36	2760	0.62	52.8	0.75	3.0	3.2	5.0	7
Y2-632-2	0.25	0.33	1.45	0.84	0.48	1.38	0.79	0.46	1.32	0.77	0.44	2760	0.87	58.2	0.78	3.2	3.3	5.0	7.2
Y2-711-2	0.37	0.5	1.92	1.11	0.64	1.84	1.06	0.61	1.76	1.02	0.59	2800	1.26	63.9	0.79	2.8	3.0	5.0	9.7
Y2-712-2	0.55	0.75	2.65	1.53	0.88	2.53	1.46	0.84	2.42	1.40	0.81	2800	1.88	69.0	0.79	3.3	3.5	5.0	10.7
Y2-801-2	0.75	1	3.29	1.90	0.91	3.15	1.81	0.87	3.01	1.74	0.83	2825	2.48	72.1	0.83	2.8	3.8	7.0	16
Y2-802-2	1.1	1.5	4.58	2.65	1.28	4.38	2.52	1.23	4.20	2.43	1.18	2825	3.62	75.0	0.84	2.8	3.5	7.0	17
Y2-90S-2	1.5	2	6.07	3.51	1.70	5.81	3.34	1.63	5.56	3.22	1.56	2840	4.94	77.2	0.84	2.4	2.8	7.5	21
Y2-90L-2	2.2	3	8.52	4.93	2.41	8.15	4.69	2.31	7.81	4.52	2.21	2840	7.17	79.7	0.85	2.5	2.8	7.5	25
Y2-100L-2	3	4	11.1	6.43	3.22	10.6	6.11	3.08	10.1	5.89	2.95	2880	9.78	81.5	0.87	2.6	3.2	7.3	33
Y2-112M-2	4	5.5	14.3	8.30	4.21	13.7	7.90	4.03	13.1	7.61	3.86	2880	13.0	83.1	0.88	2.5	2.7	7.0	42
Y2-132S1-2	5.5	7.5	19.3	11.2	5.68	18.5	10.6	5.43	17.7	10.2	5.21	2900	17.9	84.7	0.88	2.6	3.0	7.8	64
Y2-132S2-2	7.5	10	26.0	15.0	7.63	24.8	14.3	7.30	23.8	13.7	6.99	2900	24.3	86.0	0.88	2.5	2.7	7.5	68
Y2-160M1-2	11	15	37.0	21.4	10.9	35.4	20.3	10.5	33.9	19.6	10.0	2930	35.6	87.6	0.89	2.7	3.0	7.8	106
Y2-160M2-2	15	20	49.8	28.8	14.7	47.7	27.4	14.1	45.7	26.4	13.5	2930	48.2	88.7	0.89	2.7	3.0	7.8	107
Y2-160L-2	18.5	25	60.4	34.9	18.1	57.7	33.2	17.3	55.3	32.0	16.6	2930	59.5	89.3	0.90	2.7	3.0	7.8	130
Y2-180M-2	22	30	71.3	41.3	21.4	68.2	39.2	20.4	65.4	37.8	19.6	2940	70.7	89.9	0.90	3.2	3.5	8.0	152
Y2-180L2-2	30	40	96.4	55.8	28.9	92.2	53.0	27.6	88.4	51.1	26.5	2950	96.5	90.7	0.90	3.2	3.5	8.0	195
Y2-200L1-2	30	40	96.4	55.8	28.9	92.2	53.0	27.6	88.4	51.1	26.5	2950	96.5	90.7	0.90	2.1	2.9	7.8	220
Y2-200L2-2	37	50	118	68.4	35.4	113	65.0	33.9	108	62.7	32.5	2950	118.6	91.2	0.90	2.2	2.9	7.8	230
Y2-200L3-2	45	60	143	82.8	42.9	136	78.7	41.0	131	75.8	39.3	2950	144.2	91.7	0.90	2.2	2.9	7.8	252
Y2-225M-2	45	60	143	82.8	42.9	136	78.7	41.0	131	75.8	39.3	2950	144.2	91.7	0.90	2.3	2.8	7.0	280
Y2-225M2-2	55	75	174	100	52.2	166	95.7	49.9	159	92.3	47.8	2950	176.3	92.1	0.90	2.3	2.8	7.0	310
Y2-250M-2	55	75	174	100	52.2	166	95.7	49.9	159	92.3	47.8	2950	176.3	92.1	0.90	2.2	2.8	7.5	366
Y2-250M2-2	75	100	235	136	70.7	225	129	67.7	216	125	64.8	2950	240.4	92.7	0.90	2.2	2.8	7.5	445
Y2-280S-2	75	100	235	136	70.7	225	129	67.7	216	125	64.8	2950	240.4	92.7	0.90	2.0	2.3	7.0	475
Y2-280M-2	90	120	279	161	84.6	266	153	80.9	255	147	77.6	2950	288.4	93.0	0.91	2.0	2.3	7.0	530
Y2-280M2-2	110	150	340	196	103	325	187	98.6	311	180	94.5	2950	352.5	93.3	0.91	2.0	2.3	7.0	600
Y2-315S-2	110	150	340	196	103	325	187	98.6	311	180	94.5	2980	352.5	93.3	0.91	2.0	2.3	6.8	850
Y2-315M-2	132	176	407	235	123	389	223	118	373	215	113	2980	423.0	93.5	0.91	2.0	2.3	6.8	930
Y2-315L1-2	160	216	486	281	149	465	267	142	446	257	136	2980	512.8	93.8	0.92	2.0	2.3	6.8	990
Y2-315L2-2	200	267	606	351	186	580	333	178	556	321	170	2980	640.9	94.0	0.92	2.0	2.3	6.8	1030
Y2-355M-2	250	333	758	439	232	725	417	222	695	402	213	2980	801.2	94.0	0.92	1.8	2.2	7.0	1650
Y2-355L-2	315	420	956	553.4	319	914	525	306	876	507	292	2980	1009.5	94.0	0.92	1.8	2.2	7.0	1750

Above data may vary by Haineng R&D,
Haineng Company Spareserves the right to modify this data at any time and without notice.

IE1

Technical Data

Model	Rated Power		Rated Current (A)									Speed	Tn	Eff.	P.F.	Tst/Tn	Tmax/Tn	Ist/In	N.G
	kW	HP	220V	380V	660V	230V	400V	690V	240V	415V	720V	rpm	N.m	η(%)	cosφ				kg
Y2-631-4	0.12	0.16	0.98	0.57	0.33	0.94	0.54	0.13	0.90	0.52	0.30	1350	0.85	50.0	0.64	2.2	2.2	4.5	7
Y2-632-4	0.18	0.25	1.28	0.74	0.43	1.22	0.70	0.41	1.17	0.68	0.39	1350	1.27	57.0	0.65	2.2	2.2	4.5	7.2
Y2-711-4	0.25	0.33	1.48	0.86	0.49	1.42	0.81	0.47	1.36	0.79	0.45	1370	1.74	61.5	0.72	2.4	2.8	4.5	8.4
Y2-712-4	0.37	0.5	1.99	1.15	0.66	1.90	1.09	0.63	1.82	1.05	0.61	1370	2.58	66.0	0.74	2.4	2.8	4.5	9.7
Y2-801-4	0.55	0.75	2.75	1.59	0.92	2.63	1.51	0.88	2.52	1.46	0.84	1400	3.75	70.0	0.75	2.4	2.6	5.0	16
Y2-802-4	0.75	1	3.59	2.08	0.91	3.44	1.98	0.87	3.29	1.90	0.83	1400	5.12	72.1	0.76	2.4	2.6	5.0	17
Y2-90S-4	1.1	1.5	5.00	2.89	1.28	4.78	2.75	1.23	4.58	2.65	1.18	1400	7.50	75.0	0.77	2.2	2.4	6.0	22
Y2-90L-4	1.5	2	6.45	3.74	1.70	6.17	3.55	1.63	5.92	3.42	1.56	1400	10.2	77.2	0.79	2.2	2.4	6.0	26
Y2-100L1-4	2.2	3	8.94	5.18	2.41	8.55	4.92	2.31	8.20	4.74	2.21	1420	14.8	79.7	0.81	2.2	2.3	7.0	33
Y2-100L2-4	3	4	11.7	6.82	3.22	11.2	6.48	3.08	10.8	6.25	2.95	1420	20.2	81.5	0.82	2.2	2.3	7.0	36
Y2-112M-4	4	5.5	15.4	8.92	4.21	14.7	8.47	4.03	14.1	8.17	3.86	1440	26.5	83.1	0.82	2.4	3.0	7.0	46
Y2-132S-4	5.5	7.5	20.5	11.8	5.68	19.6	11.2	5.43	18.8	10.8	5.21	1440	36.5	84.7	0.83	2.8	3.2	7.5	64
Y2-132M-4	7.5	10	27.2	15.7	7.63	26.0	14.9	7.30	24.9	14.4	6.99	1440	49.7	86.0	0.84	2.8	3.2	7.5	77
Y2-132M2-4	9.2	12.5	32.8	19.0	9.20	31.4	18.0	8.80	30.1	17.4	8.43	1460	60.2	87.5	0.84	2.8	3.2	7.5	76
Y2-160M-4	11	15	39.2	22.7	10.9	37.5	21.5	10.5	35.9	20.8	10.0	1460	72.0	87.6	0.84	2.4	3.5	7.5	106
Y2-160L-4	15	20	52.2	30.2	14.7	49.9	28.7	14.1	47.8	27.6	13.5	1460	98.1	88.7	0.85	2.4	3.5	7.5	126
Y2-180M-4	18.5	25	63.2	36.6	18.1	60.4	34.7	17.3	57.9	33.5	16.6	1470	120.2	89.3	0.86	2.3	2.8	7.5	154
Y2-180L-4	22	30	74.6	43.2	21.4	71.4	41.0	20.4	68.4	39.5	19.6	1470	142.9	89.9	0.86	2.3	3.0	8.0	175
Y2-180L2-4	30	40	100	58.4	28.9	96.5	55.5	27.6	92.5	53.5	26.5	1470	194.9	90.7	0.86	2.3	3.0	8.0	200
Y2-200L-4	30	40	100	58.4	28.9	96.5	55.5	27.6	92.5	53.5	26.5	1470	194.9	90.7	0.86	2.3	2.8	7.5	235
Y2-200L2-4	37	50	122	70.8	35.4	117	67.3	33.9	112	64.8	32.5	1480	238.8	91.2	0.87	2.3	2.8	7.5	250
Y2-225S-4	37	50	122	70.8	35.4	117	67.3	33.9	112	64.8	32.5	1480	238.8	91.2	0.87	2.3	2.6	7.5	295
Y2-225M-4	45	60	148	85.7	42.9	141	81.4	41.0	135	78.4	39.3	1480	290.4	91.7	0.87	2.3	2.6	7.5	306
Y2-225M2-4	55	75	180	104	52.2	172	99.0	49.9	165	95.4	47.8	1480	354.9	92.1	0.87	2.3	2.6	8.0	340
Y2-250M-4	55	75	180	104	52.2	172	99.0	49.9	165	95.4	47.8	1480	354.9	92.1	0.87	2.2	2.5	7.0	375
Y2-250M2-4	75	100	244	141	70.7	233	134	67.7	223	129	64.8	1480	484.0	92.7	0.87	2.2	2.5	7.0	490
Y2-280S-4	75	100	244	141	70.7	233	134	67.7	223	129	64.8	1480	484.0	92.7	0.87	2.3	2.8	7.0	533
Y2-280M-4	90	120	291	169	84.6	279	160	80.9	267	154	77.6	1480	580.7	93.0	0.87	2.3	2.8	7.0	575
Y2-280M2-4	110	150	351	203	103	336	193	98.6	322	186	94.5	1480	705.0	93.3	0.88	2.3	2.8	7.0	685
Y2-315S-4	110	150	351	203	103	336	193	98.6	322	186	94.5	1480	705.0	93.3	0.88	2.3	2.5	7.0	820
Y2-315M-4	132	176	421	243	123	402	231	118	385	223	113	1480	846.0	93.5	0.88	2.3	2.5	7.0	960
Y2-315L1-4	160	213	502	291	149	481	276	142	461	266	136	1480	1025.5	93.8	0.89	2.3	2.5	7.0	1000
Y2-315L2-4	200	267	627	363	186	600	345	178	575	332	170	1480	1281.9	94.0	0.89	2.3	2.5	7.0	1080
Y2-355M-4	250	333	775	448	232	741	426	222	710	411	213	1485	1607.7	94.0	0.90	2.3	2.5	6.8	1580
Y2-355L-4	315	420	977	566	326	935	537	312	896	518	299	1485	2025.8	94.0	0.90	2.2	2.5	6.9	1730

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Technical Data

Model	Rated Power		Rated Current (A)									Speed	Tn	Eff.	P.F.	Tst/Tn	Tmax/Tn	Ist/In	N.G
	kW	HP	220V	380V	660V	230V	400V	690V	240V	415V	720V	rpm	N.m	η(%)	cosφ				kg
Y2-711-6	0.18	0.25	1.57	0.91	0.52	1.50	0.86	0.50	1.44	0.83	0.48	880	1.95	45.5	0.66	2.3	2.5	3.5	8
Y2-712-6	0.25	0.33	1.88	1.09	0.63	1.80	1.03	0.60	1.72	0.99	0.57	880	2.71	52.1	0.67	2.3	2.5	3.5	8.4
Y2-801-6	0.37	0.5	2.36	1.36	0.78	2.25	1.30	0.75	2.16	1.25	0.72	900	3.93	59.7	0.69	2.2	2.4	4.0	17
Y2-802-6	0.55	0.75	3.05	1.76	1.02	2.91	1.68	0.97	2.79	1.62	0.93	900	5.84	65.8	0.72	2.2	2.4	4.0	19
Y2-90S-6	0.75	1	3.91	2.26	0.94	3.74	2.15	0.90	3.58	2.07	0.86	910	7.87	70.0	0.72	2.2	2.5	4.5	22
Y2-90L-6	1.1	1.5	5.42	3.14	1.32	5.19	2.98	1.26	4.97	2.88	1.21	910	11.5	72.9	0.73	2.2	2.5	4.5	24
Y2-100L-6	1.5	2	6.98	4.04	1.74	6.68	3.84	1.67	6.40	3.70	1.60	940	15.2	75.2	0.75	2.2	2.8	6.0	31
Y2-112M-6	2.2	3	9.78	5.66	2.48	9.35	5.38	2.37	8.96	5.18	2.27	940	22.4	77.7	0.76	2.2	2.5	6.0	42
Y2-132S-6	3	4	13.0	7.52	3.29	12.4	7.15	3.15	11.9	6.89	3.02	960	29.8	79.7	0.76	2.0	2.3	6.5	60
Y2-132M1-6	4	5.5	16.9	9.82	4.30	16.2	9.33	4.11	15.5	9.00	3.94	960	39.8	81.4	0.76	2.0	2.3	6.5	70
Y2-132M2-6	5.5	7.5	22.5	13.0	5.79	21.5	12.4	5.54	20.6	11.9	5.31	960	54.7	83.1	0.77	2.0	2.3	6.5	80
Y2-160M-6	7.5	10	30.1	17.4	7.75	28.8	16.6	7.41	27.6	16.0	7.10	970	73.8	84.7	0.77	2.3	2.6	6.5	114
Y2-160L-6	11	15	42.8	24.8	11.1	40.9	23.5	10.6	39.2	22.7	10.2	970	108.3	86.4	0.78	2.3	2.6	6.5	121
Y2-180L-6	15	20	55.4	32.0	14.9	53.0	30.4	14.3	50.8	29.3	13.7	970	147.7	87.7	0.81	2.0	2.5	7.0	162
Y2-200L1-6	18.5	25	67.6	39.1	18.2	64.7	37.2	17.4	62.0	35.8	16.7	970	182.1	88.6	0.81	2.1	2.8	6.5	209
Y2-200L2-6	22	30	77.9	45.1	21.5	74.5	42.8	20.6	71.4	41.3	19.7	970	216.6	89.2	0.83	2.1	2.8	6.5	226
Y2-225M-6	30	40	103	60.1	29.0	99.3	57.1	27.8	95.2	55.0	26.6	980	292.3	90.2	0.84	2.0	2.1	7.0	273
Y2-250M-6	37	50	124	71.9	35.6	118	68.3	34.1	113	65.9	32.6	980	360.6	90.8	0.86	2.0	2.1	7.0	360
Y2-280S-6	45	60	150	86.9	43.0	143	82.6	41.2	137	79.6	39.4	980	438.5	91.4	0.86	2.0	2.2	7.0	494
Y2-280M-6	55	75	182	105	52.3	174	100	50.0	167	96.8	47.9	980	536.0	91.9	0.86	2.0	2.2	7.0	517
Y2-315S-6	75	100	247	143	70.8	236	135	67.7	226	131	64.9	990	723.5	92.6	0.86	2.0	2.0	7.0	770
Y2-315M-6	90	120	295	171	84.7	282	162	81.0	270	156	77.6	990	868.2	92.9	0.86	2.0	2.0	7.0	840
Y2-315L1-6	110	150	359	208	103	344	197	98.6	329	190	94.5	990	1061.1	93.3	0.86	2.0	2.0	6.7	990
Y2-315L2-6	132	176	425	246	123	407	234	118	390	225	113	990	1273.3	93.5	0.87	2.0	2.0	6.7	1040
Y2-355M1-6	160	213	508	294	149	486	279	142	466	269	136	990	1543.4	93.8	0.88	1.9	2.0	6.7	1470
Y2-355M2-6	200	267	634	367	186	606	348	178	581	336	170	990	1929.3	94.0	0.88	1.9	2.0	6.7	1640
Y2-355L-6	250	333	793	459	232	758	436	222	727	420	213	990	2411.6	94.0	0.88	1.9	2.0	6.7	1740

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Technical Data

Model	Rated Power		Rated Current (A)									Speed	Tn	Eff.	P.F.	Tst/Tn	Tmax/Tn	Ist/In	N.G
	kW	HP	220V	380V	660V	230V	400V	690V	240V	415V	720V	rpm	N.m	η(%)	cosφ				kg
Y2-801-8	0.18	0.25	2.04	1.18	0.68	1.95	1.12	0.65	1.87	1.08	0.62	680	2.53	38.0	0.61	1.8	2.0	3.3	17
Y2-802-8	0.25	0.33	2.48	1.43	0.83	2.37	1.36	0.79	2.27	1.31	0.76	680	3.51	43.4	0.61	1.8	2.0	3.3	19
Y2-90S-8	0.37	0.5	3.10	1.80	1.03	2.97	1.71	0.99	2.84	1.64	0.95	680	5.20	49.7	0.63	1.9	2.0	4.0	23
Y2-90L-8	0.55	0.75	3.96	2.29	1.32	3.79	2.18	1.26	3.63	2.10	1.21	700	7.50	56.1	0.65	1.9	2.1	4.0	25
Y2-100L1-8	0.75	1	4.80	2.78	1.60	4.59	2.64	1.53	4.40	2.54	1.47	700	10.2	61.2	0.67	1.9	2.1	4.0	33
Y2-100L2-8	1.1	1.5	6.38	3.69	2.13	6.11	3.51	2.03	5.85	3.38	1.95	700	15.0	66.5	0.68	1.9	2.1	5.0	38
Y2-112M-8	1.5	2	8.12	4.70	2.71	7.77	4.47	2.59	7.45	4.31	2.48	700	20.5	70.2	0.69	1.9	2.1	5.0	50
Y2-132S-8	2.2	3	10.9	6.34	3.65	10.5	6.02	3.49	10.0	5.80	3.35	710	29.6	74.2	0.71	2.0	2.1	6.0	60
Y2-132M-8	3	4	14.0	8.11	4.67	13.4	7.70	4.46	12.8	7.42	4.28	710	40.4	77.0	0.73	2.0	2.1	6.0	76
Y2-160M1-8	4	5.5	18.1	10.5	6.05	17.4	9.98	5.79	16.6	9.62	5.55	720	53.1	79.2	0.73	2.0	2.1	6.0	112
Y2-160M2-8	5.5	7.5	24.0	13.9	7.99	22.9	13.2	7.64	21.9	12.7	7.32	720	73.0	81.4	0.74	2.0	2.1	6.0	113
Y2-160L-8	7.5	10	31.5	18.3	10.5	30.2	17.4	10.1	28.9	16.7	9.65	720	99.5	83.1	0.75	2.0	2.1	6.0	140
Y2-180L-8	11	15	44.7	25.8	14.9	42.7	25.6	14.2	41.0	23.7	13.6	730	143.9	85.0	0.76	2.1	2.1	6.5	166
Y2-200L-8	15	20	60.1	34.8	20.0	57.5	33.0	19.2	55.1	31.8	18.4	730	196.2	86.2	0.76	2.0	2.1	6.5	214
Y2-225S-8	18.5	25	73.5	42.6	24.5	70.3	40.4	23.4	67.4	38.9	22.5	740	238.8	86.9	0.76	2.0	2.1	6.6	255
Y2-225M-8	22	30	84.7	49.0	28.2	81.0	46.6	27.0	77.6	44.9	25.8	740	283.9	87.4	0.78	2.0	2.1	6.6	284
Y2-250M-8	30	40	113	65.3	37.6	108	62.1	36.0	103	59.8	34.5	740	387.2	88.3	0.79	2.0	2.1	6.6	380
Y2-280S-8	37	50	138	80.1	46.1	132	76.1	44.1	127	73.4	42.3	740	477.5	88.8	0.79	1.9	2.1	6.6	496
Y2-280M-8	45	60	167	97.0	55.9	160	92.2	53.4	154	88.8	51.2	740	580.7	89.2	0.79	1.9	2.0	6.6	520
Y2-315S-8	55	75	199	115	66.2	190	109	63.3	182	105	60.7	740	709.8	89.7	0.81	1.9	2.0	6.6	900
Y2-315M-8	75	100	269	156	89.7	257	148	85.8	247	143	82.2	740	967.9	90.3	0.81	1.9	2.0	6.6	1000
Y2-315L1-8	90	120	317	184	106	304	175	101	291	168	97.0	740	1161.5	90.7	0.82	1.8	2.0	6.6	1060
Y2-315L2-8	110	150	386	224	129	370	212	123	354	205	118	740	1419.6	91.1	0.82	1.8	2.0	6.4	1130
Y2-355M1-8	132	176	462	267	154	442	254	147	423	245	141	740	1703.5	91.5	0.82	1.8	2.0	6.4	1500
Y2-355M2-8	160	213	558	323	186	534	307	178	511	296	170	740	2064.9	91.9	0.82	1.8	2.0	6.4	1600
Y2-355L-8	200	267	684	396	228	654	376	218	627	362	209	740	2581.1	92.5	0.83	1.8	2.0	6.4	1700
Y2-315S-10	45	60	172	99.6	43.0	164	94.6	41.1	157	91.2	39.4	590	728.4	91.5	0.75	1.5	2.0	6.2	852
Y2-315M-10	55	75	209	121	52.3	200	115	50.0	191	110	47.9	590	890.3	92.0	0.75	1.5	2.0	6.2	933
Y2-315L1-10	75	100	279	162	70.9	267	153	67.8	256	148	65.0	590	1214.0	92.5	0.76	1.5	2.0	6.2	1027
Y2-315L2-10	90	120	329	190	84.6	315	181	80.9	302	174	77.6	590	1456.8	93.0	0.77	1.5	2.0	6.2	1117
Y2-355M1-10	110	150	397	229	103	379	218	98.7	364	210	94.6	590	1780.5	93.2	0.78	1.3	2.0	6.0	2000
Y2-355M2-10	132	176	474	274	123	454	261	118	435	251	113	590	2136.6	93.5	0.78	1.3	2.0	6.0	2150
Y2-355L-10	160	213	575	333	149	550	316	143	527	305	137	590	2589.8	93.5	0.78	1.3	2.0	6.0	2220

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IE2

Technical Data

Model	Rated Power		Rated Current (A)									Speed	Eff. η(%)			P.F.	Tn	Tst/Tn	Tmax/Tn	Ist/In	N.G
	kW	HP	220V	380V	660V	230V	400V	690V	240V	415V	720V	rpm	100%	75%	50%	cosφ	N.m				kg
YE2-801-2	0.75	1	3.06	1.77	1.02	2.93	1.69	0.98	2.81	1.62	0.94	2875	77.4	77.2	74.7	0.83	2.49	2.5	3	5.3	14.8
YE2-802-2	1.1	1.5	4.37	2.53	1.46	4.18	2.40	1.39	4.01	2.32	1.34	2875	79.6	79.7	78.9	0.83	3.65	3.2	3.8	7.0	17
YE2-90S-2	1.5	2	5.76	3.34	1.92	5.51	3.17	1.84	5.28	3.06	1.76	2890	81.3	81.4	80.7	0.84	4.96	2.7	3.5	7.1	22.5
YE2-90L-2	2.2	3	8.16	4.73	2.72	7.81	4.49	2.60	7.48	4.33	2.49	2890	83.2	82.9	82.2	0.85	7.27	2.4	3	6.9	25
YE2-100L-2	3	4	10.7	6.19	3.57	10.2	5.88	3.41	9.81	5.67	3.27	2891	84.6	84.5	82.8	0.87	9.91	3.2	4	8.0	34.5
YE2-112M-2	4	5.5	13.9	8.05	4.63	13.3	7.65	4.43	12.7	7.37	4.25	2914	85.8	86.1	85.4	0.88	13.1	2.5	3	7.5	45
YE2-132S1-2	5.5	7.5	18.9	10.9	6.28	18.0	10.4	6.01	17.3	10.0	5.76	2937	87.0	86.7	84.8	0.88	17.9	2.7	3.5	7.5	72
YE2-132S2-2	7.5	10	25.1	14.5	8.37	24.0	13.8	8.00	23.0	13.3	7.67	2940	88.1	88.4	87.8	0.89	24.4	2.4	3.3	7.5	80
YE2-160M1-2	11	15	36.3	21.0	12.1	34.7	20.0	11.6	33.3	19.2	11.1	2930	89.4	88.9	87.4	0.89	35.9	2.2	2.9	7.6	108
YE2-160M2-2	15	20	49.0	28.4	16.3	46.9	26.9	15.6	44.9	26.0	15.0	2930	90.3	89.9	88.1	0.89	48.9	2.3	3	7.6	117
YE2-160L-2	18.5	25	60.0	34.7	20.0	57.4	33.0	19.1	55.0	31.8	18.3	2937	90.9	90.6	89.1	0.89	60.2	2.3	3.1	7.4	135
YE2-180M-2	22	30	71.1	41.1	23.7	68.0	39.1	22.7	65.1	37.7	21.7	2940	91.3	91.0	89.4	0.89	71.5	2.8	3.2	7.8	183
YE2-200L1-2	30	40	96.2	55.7	32.1	92.0	52.9	30.7	88.1	51.0	29.4	2950	92.0	91.8	90.2	0.89	97.1	2.6	3	7.8	227
YE2-200L2-2	37	50	117	68.3	39.3	112	64.9	37.6	108	62.5	36.0	2950	92.5	92.4	90.7	0.89	119.8	2.6	3	7.7	246
YE2-225M-2	45	60	142	82.7	47.6	136	78.6	45.5	130	75.7	43.6	2960	92.9	92.8	91.3	0.89	145.2	2.4	2.6	7.5	297
YE2-250M-2	55	75	174	100	58.0	166	95.7	55.5	159	92.2	53.2	2965	93.2	93.3	91.5	0.89	177.2	2.3	2.8	7.1	379
YE2-280S-2	75	100	235	136	78.6	225	129	75.2	216	125	72.0	2970	93.8	93.8	91.9	0.89	241.2	2.5	2.8	7.4	519
YE2-280M-2	90	120	282	163	94.0	269	155	89.9	258	149	86.2	2970	94.1	94.0	92.2	0.89	289.4	2.8	2.8	7.6	580
YE2-315S-2	110	150	340	196	113	325	187	108	311	180	103	2975	94.3	94.2	92.4	0.9	353.1	2.4	2.8	6.9	948
YE2-315M-2	132	176	406	235	135	389	223	129	373	215	124	2975	94.6	94.6	92.7	0.9	423.7	2.6	2.9	7.1	1009
YE2-315L1-2	160	213	486	281	162	465	267	155	446	258	148	2975	94.8	94.9	93.1	0.91	513.6	2.5	2.9	7.1	1111
YE2-315L2-2	200	267	607	351	202	580	333	193	556	321	185	2975	95.0	95.1	93.3	0.91	642.0	2.5	2.8	6.9	1142
YE2-355M-2	250	333	758	439	253	725	417	242	695	402	231	2980	95.0	95.0	93.4	0.91	801.2	2.5	2.8	7.0	1908
YE2-355L-2	315	420	956	553	318	914	525	304	876	506	292	2980	95.0	95.1	93.4	0.91	1009.5	2.5	2.9	7.0	2346
YE2-802-4	0.75	1	3.30	1.91	1.10	3.15	1.81	1.05	3.02	1.75	1.01	1400	79.6	79.3	78.4	0.75	5.12	2.4	2.9	5	18
YE2-90S-4	1.1	1.5	4.73	2.74	1.58	4.52	2.60	1.51	4.33	2.51	1.44	1400	81.4	81.1	77.6	0.75	7.30	3	3.5	6	22
YE2-90L-4	1.5	2	6.34	3.67	2.11	6.06	3.49	2.02	5.81	3.36	1.94	1445	82.8	82.5	77.5	0.75	9.91	3.2	3.8	6.8	26.5
YE2-100L1-4	2.2	3	8.46	4.90	2.82	8.09	4.65	2.70	7.75	4.48	2.58	1440	84.3	84.4	83.7	0.81	14.6	3	3.5	7	35
YE2-100L2-4	3	4	11.2	6.50	3.74	10.7	6.18	3.58	10.3	5.95	3.43	1440	85.5	85.3	83.9	0.82	19.9	2.6	3.3	7	41.5
YE2-112M-4	4	5.5	14.8	8.56	4.93	14.1	8.13	4.71	13.6	7.84	4.52	1445	86.6	86.9	86.9	0.82	26.4	3.5	4	7.5	49
YE2-132S-4	5.5	7.5	20.1	11.6	6.69	19.2	11.0	6.40	18.4	10.6	6.13	1455	87.7	87.4	86.9	0.82	36.1	2.2	2.8	6.4	77
YE2-132M-4	7.5	10	26.7	15.5	8.91	25.6	14.7	8.52	24.5	14.2	8.17	1455	88.7	88.5	88.3	0.83	49.2	2.4	3	7	87
YE2-160M-4	11	15	37.8	21.9	12.6	36.2	20.8	12.1	34.7	20.0	11.6	1460	89.8	89.7	88.6	0.85	71.9	2.5	2.9	6.9	110
YE2-160L-4	15	20	50.5	29.2	16.8	48.3	27.8	16.1	46.3	26.8	15.4	1460	90.6	90.7	89.7	0.86	98.1	2.5	3	7.5	132
YE2-180M-4	18.5	25	61.9	35.8	20.6	59.2	34.0	19.7	56.7	32.8	18.9	1465	91.2	91.1	90.5	0.86	120.2	2.6	3.1	7.8	172
YE2-180L-4	22	30	73.3	42.4	24.4	70.1	40.3	23.4	67.2	38.9	22.4	1465	91.6	91.7	90.9	0.86	142.9	2.6	3.1	7.5	180
YE2-200L-4	30	40	99.2	57.4	33.1	94.9	54.6	31.6	90.9	52.6	30.3	1475	92.3	92.2	91.3	0.86	194.9	2.4	2.9	7.1	247
YE2-225S-4	37	50	121	70.5	40.6	116	67.0	38.8	111	64.6	37.2	1480	92.7	92.8	91.7	0.86	238.8	2.5	2.7	7.5	297
YE2-225M-4	45	60	147	85.4	49.2	141	81.1	47.0	135	78.2	45.1	1480	93.1	93.2	92.1	0.86	290.4	2.5	2.8	7.6	322

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IE2

Technical Data

Model	Rated Power		Rated Current (A)									Speed	Eff. η(%)			P.F.	Tn	Tst/Tn	Tmax/Tn	Ist/In	N.G
	kW	HP	220V	380V	660V	230V	400V	690V	240V	415V	720V	rpm	100%	75%	50%	cosφ	N.m				kg
YE2-250M-4	55	75	179	103	59.8	171	98.7	57.2	164	95.2	54.8	1485	93.5	93.4	92.4	0.86	354.9	2.6	2.7	7.3	413
YE2-280S-4	75	100	237	137	79.3	227	130	75.9	218	126	72.7	1480	94.0	94.1	92.8	0.88	484.0	2.7	2.7	7.6	558
YE2-280M-4	90	120	284	165	95.0	272	156	90.8	261	151	87.1	1485	94.2	94.2	93.1	0.88	580.7	2.7	2.7	7.5	632
YE2-315S-4	110	150	347	201	115	332	190	110	318	184	106	1480	94.5	94.4	93.3	0.88	707.4	2.7	2.9	7.1	826
YE2-315M-4	132	176	415	240	138	397	228	132	381	220	127	1480	94.7	94.8	93.7	0.88	88.9	2.7	2.9	7.3	1037
YE2-315L1-4	160	213	497	287	165	475	273	158	455	263	151	1480	94.9	94.8	93.8	0.89	1029.0	3	3	7.4	1107
YE2-315L2-4	200	267	620	359	206	593	341	197	568	328	189	1480	95.1	95.1	94.0	0.89	1286.0	3	3	7.6	1156
YE2-355M-4	250	333	766	443	255	733	421	244	702	406	234	1490	95.1	95.1	94.0	0.90	1602.0	2.8	2.9	7.5	1734
YE2-355L-4	315	420	965	559	321	923	531	307	885	512	295	1490	95.1	95.1	94.0	0.90	2019.0	2.6	2.8	7.4	1940
YE2-90S-6	0.75	1	3.60	2.09	1.20	3.45	1.98	1.15	3.30	1.91	1.10	934	75.9	76.1	75.1	0.72	7.67	2.2	2.4	4.5	23
YE2-90L-6	1.1	1.5	5.06	2.93	1.69	4.84	2.78	1.61	4.64	2.68	1.55	945	78.1	77.9	77.8	0.73	11.1	2.4	2.6	4.5	25
YE2-100L-6	1.5	2	6.67	3.86	2.22	6.38	3.67	2.13	6.11	3.53	2.04	945	79.8	80.1	78.5	0.74	15.2	1.8	2.2	4.2	33
YE2-112M-6	2.2	3	9.54	5.52	3.18	9.12	5.25	3.04	8.74	5.06	2.91	960	81.8	81.9	81.5	0.74	21.9	2.3	2.8	4.5	51
YE2-132S-6	3	4	12.8	7.39	4.26	12.2	7.02	4.07	11.7	6.77	3.90	964	83.3	83.6	82.3	0.74	29.7	1.8	2.4	4.5	75
YE2-132M1-6	4	5.5	16.8	9.71	5.59	16.0	9.22	5.35	15.4	8.89	5.12	965	84.6	84.5	82.4	0.74	39.6	2.3	2.7	5	82
YE2-132M2-6	5.5	7.5	22.4	13.0	7.46	21.4	12.3	7.13	20.5	11.9	6.84	965	86.0	85.9	84.7	0.75	54.4	1.9	2.8	5.5	94
YE2-160M-6	7.5	10.0	28.9	16.8	9.65	27.7	15.9	9.23	26.5	15.3	8.84	975	87.2	87	84.9	0.78	73.8	2	3	6.5	130
YE2-160L-6	11	15.0	41.2	23.9	13.7	39.4	22.7	13.1	37.8	21.8	12.6	970	88.7	88.4	86.1	0.79	108.3	2.4	3.3	7.5	156
YE2-180L-6	15	20.0	54.2	31.4	18.1	51.8	29.8	17.3	49.7	28.7	16.6	980	89.7	89.8	88.7	0.81	146.9	2	2.7	6.4	183
YE2-200L1-6	18.5	25.0	66.3	38.4	22.1	63.4	36.5	21.1	60.8	35.1	20.3	980	90.4	90.4	89.5	0.81	180.3	2.3	3	7	220
YE2-200L2-6	22	30.0	77.5	44.8	25.8	74.1	42.6	24.7	71.0	41.1	23.7	980	90.9	90.9	89.9	0.82	214.4	2.3	2.8	7	240
YE2-225M-6	30	40.0	106	61.4	35.3	101	58.3	33.8	97.2	56.2	32.4	985	91.7	91.8	90.6	0.81	292.3	2.2	2.7	6.5	275
YE2-250M-6	37	50.0	125	72.6	41.8	119	69.0	40.0	114	66.5	38.3	985	92.2	92.3	91.1	0.84	360.6	2.5	2.7	6.9	385
YE2-280S-6	45	60.0	148	85.8	49.4	141	81.5	47.2	135	78.5	45.3	985	92.7	92.7	91.5	0.86	438.5	2.2	2.4	7	482
YE2-280M-6	55	75.0	180	104	60.1	172	99.2	57.5	165	95.6	55.1	985	93.1	93.2	92.0	0.86	536.0	2.4	2.5	7.1	559
YE2-315S-6	75	100	244	141	81.4	233	134	77.9	223	129	74.6	985	93.7	93.7	92.5	0.86	727.2	2.8	3	7.3	933
YE2-315M-6	90	120	292	169	97.4	279	160	93.2	267	154	89.3	985	94.0	93.9	92.6	0.86	872.6	2.7	2.9	7.1	1013
YE2-315L1-6	110	150	356	206	118	340	195	113	326	188	108	985	94.3	94.3	92.9	0.86	1066.0	2.9	2.9	7.4	1086
YE2-315L2-6	132	176	425	246	141	407	234	135	390	225	130	985	94.6	94.7	93.1	0.86	1280.0	3	3.1	7.6	1208
YE2-355M1-6	160	213	509	294	169	487	280	162	466	269	155	990	94.8	94.9	93.4	0.87	1543.0	3.1	3.1	7.6	1581
YE2-355M2-6	200	267	635	367	211	607	349	202	582	336	194	990	95.0	95.1	93.8	0.87	1929.0	3	3	7.8	1632
YE2-355L-6	250	333	793	459	264	759	436	253	727	420	242	990	95.0	95.0	93.9	0.87	2412.0	3.1	3	7.7	1734

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IE3

YE3 (IE3)

Cast Iron Three Phase Induction Motor

Product Introduction

This series of motor design conforms to IEC standard. It could be widely applied in the field with high requirement on quality and reliability, such as manufacturing, commerce, construction, water supply and agricultural irrigation, etc.

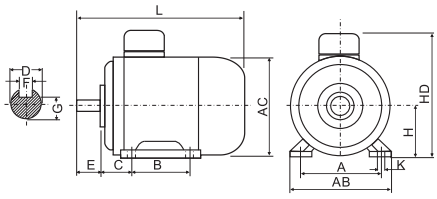
Product Features

- Output: 0.75-315kW
- Frame size: 80-355
- Rated voltage: according to customer's requirements
- Rated frequency: 50/60Hz
- Efficiency: IE3 (GB-grade 3)
- Insulation class: F
- Protection grade: IP55
- Cooling method: IC411
- Duty type: S1

Product Advantage

- Compact structure design
- Attractive appearance
- Low noise
- High starting torque
- Suitable for heavy duty application
- High efficiency and energy saving
- Easy installation and maintenance
- Reliable and durable

IMB3



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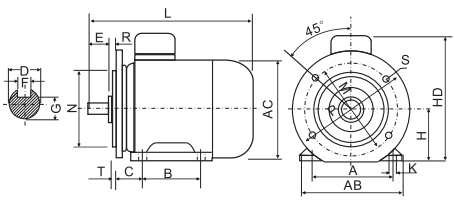

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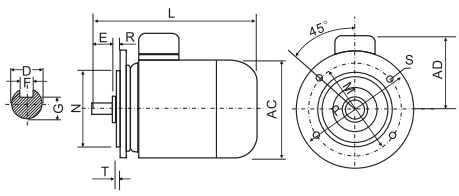

Outline & Installation Dimensions

Frame Size	Mounting Dimensions (mm)																		Overall Dimensions(mm)					
	A	B	C	D		E		F		G		H	K	M	N	P	R	S	T	AB	AC	AD	HD	L	
				2P	4,6,8,10P	2P	4,6,8,10P	2P	4,6,8,10P	2P	4,6,8,10P													2P	4,6,8,10P
80M	125	100	50		19		40		6		15.5	80	10	165	130	200	0	12	3.5	165	168	142	222		298
90S	140	100	56		24		50		8		20	90	10	165	130	200	0	12	3.5	176	181	150	240		350
90L	140	125	56		24		50		8		20	90	10	165	130	200	0	12	3.5	176	181	150	240		380
100L	160	140	63		28		60		8		24	100	12	215	180	250	0	15	4	200	206	181	281		428
112M	190	140	70		28		60		8		24	112	12	215	180	250	0	15	4	226	220	188	300	395	465
132S	216	140	89		38		80		10		33	132	12	265	230	300	0	15	4	262	259	208	340		463
132M	216	178	89		38		80		10		33	132	12	265	230	300	0	15	4	262	259	208	340		501
160M	254	210	108		42		110		12		37	160	15	300	250	350	0	4-19	5	314	314	264	424		610
160L	254	254	108		42		110		12		37	160	15	300	250	350	0	4-19	5	314	314	264	424		654
180M	279	241	121		48		110		14		42.5	180	15	300	250	350	0	4-19	5	349	354	283	463		686
180L	279	279	121		48		110		14		42.5	180	15	300	250	350	0	4-19	5	349	354	283	463		724
200L	318	305	133		55		110		16		49	200	19	350	300	400	0	4-19	5	388	396	312	512		769
225S	356	286	149	-	60	-	140	-	18	-	53	225	19	400	350	450	0	8-19	5	431	445	333	558	-	823
225M	356	311	149	55	60	110	140	16	18	49	53	225	19	400	350	450	0	8-19	5	431	445	333	558	818	848
250M	406	349	168	60	65		140		18	53	58	250	24	500	450	550	0	8-19	5	484	484	367	617		909
280S	457	368	190	65	75		140	18	20	58	67.5	280	24	500	450	550	0	8-19	5	542	546	396	676	959	979
280M	457	419	190	65	75		140	18	20	58	67.5	280	24	500	450	550	0	8-19	5	542	546	396	676	1010	1030
315S	508	406	216	65	80	140	170	18	22	58	71	315	28	600	550	660	0	8-24	6	628	620	540	855	1193	1223
315M	508	457	216	65	80	140	170	18	22	58	71	315	28	600	550	660	0	8-24	6	628	620	540	855	1303	1333
315L	508	508	216	65	80	140	170	18	22	58	71	315	28	600	550	660	0	8-24	6	628	620	540	855	1303	1333
355M	610	560	254	75	95	140	170	20	25	67.5	86	355	28	740	680	800	0	8-24	6	726	701	666	1021	1509	1539
355L	610	630	254	75	95	140	170	20	25	67.5	86	355	28	740	680	800	0	8-24	6	726	701	666	1021	1509	1539

IE3

Technical Data

Model	Rated Power		Rated Current (A)									Speed	Eff.	P.F.	Tn	Tst/Tn	Tmax /Tn	Ist/In	N.G
	kW	HP	220V	380V	660V	230V	400V	690V	240V	415V	720V	rpm	η%	cosφ	N.m				kg
YE3-801-2	0.75	1	3.0	1.7	1.0	2.8	1.6	0.9	2.7	1.6	0.9	2900	80.7	0.82	2.49	2.5	3.0	7.3	20
YE3-802-2	1.1	1.5	4.2	2.4	1.4	4.0	2.3	1.3	3.9	2.2	1.3	2910	82.7	0.83	3.65	2.8	3.5	8.7	21
YE3-90S-2	1.5	2	5.6	3.2	1.9	5.3	3.1	1.8	5.1	3.0	1.7	2920	84.2	0.84	4.95	2.4	3.2	8.5	26
YE3-90L-2	2.2	3	7.9	4.6	2.6	7.6	4.3	2.5	7.2	4.2	2.4	2915	85.9	0.85	7.26	2.6	3.5	8.5	29
YE3-100L-2	3	4	10.4	6.0	3.5	9.9	5.7	3.3	9.5	5.5	3.2	2910	87.1	0.87	9.90	3.2	3.5	8.5	43
YE3-112M-2	4	5.5	13.5	7.8	4.5	13.0	7.4	4.3	12.4	7.2	4.1	2920	88.1	0.88	13.1	2.6	3.0	8.6	51
YE3-132S1-2	5.5	7.5	18.4	10.6	6.1	17.6	10.1	5.9	16.9	9.7	5.6	2920	89.2	0.88	17.9	2.5	2.8	8.6	76
YE3-132S2-2	7.5	10	24.8	14.4	8.3	23.7	13.7	7.9	22.8	13.2	7.6	2925	90.1	0.88	24.4	2.5	3.0	8.5	84
YE3-132M1-2	9.2	12.5	30.3	17.5	10.1	29.0	16.7	9.7	27.8	16.1	9.3	2930	90.6	0.88	30.0	2.6	3.2	8.8	95
YE3-160M1-2	11	15	35.6	20.6	11.9	34.0	19.6	11.3	32.6	18.9	10.9	2940	91.2	0.89	35.7	2.7	3.6	8.8	122
YE3-160M2-2	15	20	48.1	27.9	16.0	46.0	26.5	15.3	44.1	25.5	14.7	2935	91.9	0.89	48.8	2.6	3.6	9.0	137
YE3-160L-2	18.5	25	59.0	34.2	19.7	56.5	32.5	18.8	54.1	31.3	18.0	2930	92.4	0.89	60.3	2.7	3.6	9.0	150
YE3-180M-2	22	30	70.0	40.5	23.3	66.9	38.5	22.3	64.1	37.1	21.4	2945	92.7	0.89	71.3	2.7	3.2	8.8	198
YE3-200L1-2	30	40	94.8	54.9	31.6	90.7	52.1	30.2	86.9	50.3	29.0	2950	93.3	0.89	97.1	2.0	2.7	8.2	244
YE3-200L2-2	37	50	116	67.4	38.8	111	64.0	37.1	107	61.7	35.6	2950	93.7	0.89	120	2.7	3.0	8.4	261
YE3-225M-2	45	60	141	81.7	47.1	135	77.6	45.0	129	74.8	43.1	2970	94.0	0.89	145	3.2	2.6	9.4	324
YE3-250M-2	55	75	172	100	57.3	165	95	54.8	158	91.2	52.5	2965	94.3	0.89	177	2.5	3.2	7.8	407
YE3-280S-2	75	100	234	135	77.8	223	128	74.5	214	124	71.4	2970	94.7	0.89	241	2.5	3.1	7.8	575
YE3-280M-2	90	120	279	162	93.1	267	154	89.1	256	148	85.4	2970	95.0	0.89	289	2.6	3.0	7.5	600
YE3-315S-2	110	150	337	195	112	322	185	107	309	179	103	2975	95.2	0.9	353	2.1	2.8	7.4	876
YE3-315M-2	132	176	403	234	134	386	222	129	370	214	123	2975	95.4	0.9	424	2.0	2.7	7.0	974
YE3-315L1-2	160	213	483	279	161	462	265	154	442	256	147	2975	95.6	0.91	514	1.9	2.7	6.4	1009
YE3-315L2-2	200	267	602	349	201	576	331	192	552	319	184	2975	95.8	0.91	642	2.1	2.8	8.6	1132
YE3-355M-2	250	333	753	436	251	720	414	240	690	399	230	2980	95.8	0.91	801	1.7	2.3	6.7	1643
YE3-355L-2	315	420	948	549	316	907	522	302	869	503	290	2980	95.8	0.91	1009	1.7	2.3	6.6	1800
YE3-802-4	0.75	1	3.2	1.8	1.1	3.0	1.7	1.0	2.9	1.7	1.0	1445	82.5	0.75	5.04	3.0	3.6	7.2	22
YE3-90S-4	1.1	1.5	4.5	2.6	1.5	4.3	2.5	1.4	4.1	2.4	1.4	1445	84.1	0.76	7.27	2.5	3.0	8.0	27
YE3-90L-4	1.5	2	6.0	3.5	2.0	5.7	3.3	1.9	5.5	3.2	1.8	1440	85.3	0.77	9.91	2.9	3.2	8.1	32
YE3-100L1-4	2.2	3	8.2	4.8	2.7	7.9	4.5	2.6	7.5	4.4	2.5	1455	86.7	0.81	14.6	3.1	3.7	8.1	44
YE3-100L2-4	3	4	10.9	6.3	3.6	10.5	6.0	3.5	10.0	5.8	3.3	1450	87.7	0.82	20.0	3.2	3.7	8.6	49
YE3-112M-4	4	5.5	14.4	8.4	4.8	13.8	7.9	4.6	13.2	7.7	4.4	1455	88.6	0.82	26.5	3.0	3.7	8.8	56
YE3-132S-4	5.5	7.5	19.4	11.2	6.5	18.6	10.7	6.2	17.8	10.3	5.9	1460	89.6	0.83	36.0	2.8	3.6	8.6	81
YE3-132M-4	7.5	10	25.9	15.0	8.6	24.8	14.3	8.3	23.8	13.7	7.9	1460	90.4	0.84	49.1	3.2	3.6	8.6	91
YE3-132M2-4	9.2	12.5	31.6	18.3	10.5	30.2	17.4	10.1	29.0	16.8	9.7	1460	90.9	0.84	60.2	3.2	3.6	8.6	101
YE3-160M-4	11	15	37.2	21.5	12.4	35.5	20.4	11.8	34.1	19.7	11.4	1460	91.4	0.85	72.0	3.5	3.8	8.8	122
YE3-160L-4	15	20	49.7	28.8	16.6	47.5	27.3	15.8	45.6	26.3	15.2	1460	92.1	0.86	98.1	3.5	3.8	8.8	144
YE3-180M-4	18.5	25	61.0	35.3	20.3	58.3	33.5	19.4	55.9	32.3	18.6	1465	92.6	0.86	121	2.5	3.4	7.8	182
YE3-180L-4	22	30	72.2	41.8	24.1	69.0	39.7	23.0	66.2	38.3	22.1	1465	93.0	0.86	143	2.6	2.7	8.0	209
YE3-200L-4	30	40	97.8	56.6	32.6	93.6	53.8	31.2	89.7	51.8	29.9	1475	93.6	0.86	194	3.0	3.7	8.6	280
YE3-225S-4	37	50	120	69.6	40.1	115	66.1	38.3	110	63.7	36.7	1480	93.9	0.86	239	3.4	3.3	9.4	308
YE3-225M-4	45	60	146	84.4	48.6	139	80.2	46.5	134	77.3	44.5	1480	94.2	0.86	290	3.2	3.5	9.0	343
YE3-250M-4	55	75	177	103	59.1	170	97.6	56.6	163	94.1	54.2	1485	94.6	0.86	354	3.0	3.1	8.5	456
YE3-280S-4	75	100	235	136	78.5	225	129	75.1	216	125	71.9	1480	95.0	0.88	484	2.7	2.8	8.0	565
YE3-280M-4	90	120	282	163	94.0	270	155	89.9	258	149	86.1	1485	95.2	0.88	579	2.7	2.8	8.0	657
YE3-315S-4	110	150	344	199	115	329	189	110	315	182	105	1480	95.4	0.88	710	2.6	2.7	8.2	876
YE3-315M-4	132	176	412	238	137	394	226	131	377	218	126	1480	95.6	0.88	852	2.5	2.8	8.1	994
YE3-315L1-4	160	213	492	285	164	471	271	157	451	261	150	1480	95.8	0.89	1032	2.3	2.7	7.8	1078
YE3-315L2-4	200	267	614	356	205	588	338	196	563	326	188	1480	96.0	0.89	1291	2.1	2.5	7.3	1238
YE3-355M-4	250	333	759	440	253	726	418	242	696	403	232	1490	96.0	0.9	1602	2.1	2.5	7.3	1719
YE3-355L-4	315	420	957	554	319	915	526	305	877	507	292	1490	96.0	0.9	2019	2.3	2.5	7.5	1823

IEC

GOST

NEMA

OTHER MOTOR

Above data may vary by Haineng R&D,
Haineng Company Spareserves the right to modify this data at any time and without notice.

IE3

Technical Data

Model	Rated Power		Rated Current (A)									Speed	Eff.	P.F.	Tn	Tst/Tn	Tmax /Tn	Ist/In	N.G
	kW	HP	220V	380V	660V	230V	400V	690V	240V	415V	720V	rpm	η%	cosφ	N.m				kg
YE3-90S-6	0.75	1	3.51	2.03	1.17	3.36	1.93	1.12	3.22	1.86	1.07	955	78.9	0.71	7.66	1.9	2.3	6.0	27
YE3-90L-6	1.1	1.5	4.88	2.83	1.63	4.67	2.69	1.56	4.48	2.59	1.49	955	81.0	0.73	11.1	2.6	3.0	6.0	29
YE3-100L-6	1.5	2	6.54	3.78	2.18	6.25	3.59	2.08	5.99	3.47	2.00	960	82.5	0.73	15.1	2.6	3.1	6.5	42
YE3-112M-6	2.2	3	9.26	5.36	3.09	8.85	5.09	2.95	8.48	4.91	2.83	965	84.3	0.74	22.0	2.2	3.0	6.6	53
YE3-132S-6	3	4	12.4	7.20	4.14	11.9	6.84	3.96	11.4	6.59	3.80	968	85.6	0.74	29.6	2.7	3.8	7.8	79
YE3-132M1-6	4	5.5	16.3	9.46	5.45	15.6	8.99	5.21	15.0	8.66	4.99	968	86.8	0.74	39.5	2.3	2.7	7.8	86
YE3-132M2-6	5.5	7.5	21.9	12.7	7.29	20.9	12.0	6.97	20.0	11.6	6.68	968	88.0	0.75	54.3	2.3	2.7	8.1	98
YE3-160M-6	7.5	10	28.3	16.4	9.44	27.1	15.6	9.03	26.0	15.0	8.65	975	89.1	0.78	73.5	2.4	3.1	7.8	120
YE3-160L-6	11	15	40.5	23.4	13.5	38.7	22.3	12.9	37.1	21.5	12.4	970	90.3	0.79	108	2.2	2.4	7.8	140
YE3-180L-6	15	20	53.3	30.9	17.8	51.0	29.3	17.0	48.8	28.2	16.3	980	91.2	0.81	146	2.2	2.6	6.0	186
YE3-200L1-6	18.5	25	65.4	37.8	21.8	62.5	35.9	20.8	59.9	34.7	20.0	980	91.7	0.81	180	2.2	2.5	6.5	235
YE3-200L2-6	22	30	76.4	44.2	25.5	73.0	42.0	24.3	70.0	40.5	23.3	980	92.2	0.82	214	2.4	2.8	7.0	253
YE3-225M-6	30	40	105	60.6	34.9	100	57.5	33.4	95.9	55.5	32.0	985	92.9	0.81	291	2.0	2.3	6.5	295
YE3-250M-6	37	50	124	71.7	41.3	119	68.1	39.5	114	65.7	37.9	985	93.3	0.84	359	2.1	2.3	6.8	398
YE3-280S-6	45	60	147	84.8	48.9	140	80.6	46.7	134	77.7	44.8	985	93.7	0.86	436	2.0	2.3	6.5	499
YE3-280M-6	55	75	178	103	59.5	171	98.1	56.9	163	94.6	54.5	985	94.1	0.86	533	2.0	2.3	6.0	576
YE3-315S-6	75	100	242	140	80.6	231	133	77.1	222	128	73.9	985	94.6	0.86	727	2.0	2.3	5.8	864
YE3-315M-6	90	120	289	168	96.5	277	159	92.3	265	153	88.4	985	94.9	0.86	873	1.9	2.2	5.7	970
YE3-315L1-6	110	150	353	204	118	338	194	113	324	187	108	985	95.1	0.86	1066	2.4	2.6	7.0	1064
YE3-315L2-6	132	176	422	244	141	404	232	135	387	224	129	985	95.4	0.86	1280	2.2	2.4	6.8	1174
YE3-355M1-6	160	213	505	292	168	483	278	161	463	268	154	990	95.6	0.87	1543	2.0	2.2	7.0	1565
YE3-355M2-6	200	267	630	365	210	602	346	201	577	334	192	990	95.8	0.87	1929	2.0	2.2	7.0	1720
YE3-355L-6	250	333	787	456	262	753	433	251	722	417	241	990	95.8	0.87	2412	2.0	2.2	7.0	1972
YE3-801-8	0.18	0.25	1.52	0.88	0.51	1.45	0.84	0.48	1.39	0.80	0.46	710	58.7	0.53	2.42	1.8	2.2	3.0	11.5
YE3-802-8	0.25	0.33	1.93	1.12	0.64	1.85	1.06	0.62	1.77	1.02	0.59	710	64.1	0.53	3.36	2.0	2.4	3.2	12.5
YE3-90S-8	0.37	0.5	2.42	1.40	0.81	2.31	1.33	0.77	2.21	1.28	0.74	710	69.3	0.58	4.98	1.9	2.5	4.0	15.5
YE3-90L-8	0.55	0.75	3.35	1.94	1.12	3.21	1.84	1.07	3.07	1.78	1.02	710	73.0	0.59	7.40	1.8	2.5	4.0	27.5
YE3-100L1-8	0.75	1	4.04	2.34	1.35	3.86	2.22	1.29	3.70	2.14	1.23	700	75.0	0.65	10.2	1.8	2.0	6.2	36
YE3-100L2-8	1.1	1.5	5.38	3.12	1.79	5.15	2.96	1.72	4.94	2.85	1.65	710	77.7	0.69	14.8	1.8	2.0	6.2	41.5
YE3-112M1-8	1.5	5.5	7.06	4.08	2.35	6.75	3.88	2.25	6.47	3.74	2.16	705	79.7	0.70	20.3	1.8	2.0	6.7	51
YE3-112M2-8	1.8	2.4	8.47	4.90	2.82	8.10	4.66	2.70	7.76	4.49	2.59	705	79.7	0.70	24.4	1.8	2.0	6.7	51
YE3-112M3-8	2	2.7	9.41	5.45	3.14	9.00	5.17	3.00	8.62	4.99	2.87	705	79.7	0.70	27.1	1.8	2.0	6.7	54
YE3-132S-8	2.2	3	9.93	5.75	3.31	9.50	5.46	3.17	9.10	5.26	3.03	705	81.9	0.71	29.8	1.8	2.0	6.7	56
YE3-132M-8	3	4	13.10	7.58	4.37	12.53	7.20	4.18	12.00	6.94	4.00	705	83.5	0.72	40.6	1.8	2.0	6.9	65.5
YE3-160M1-8	4	5	17.0	9.82	5.65	16.2	9.33	5.41	15.5	8.99	5.18	720	84.8	0.73	53.1	2.5	2.9	5.8	112
YE3-160M2-8	5.5	7.5	22.6	13.1	7.54	21.6	12.4	7.21	20.7	12.0	6.91	720	86.2	0.74	73.0	2.6	2.8	6.0	113
YE3-160L-8	7.5	10	30.1	17.4	10.0	28.8	16.5	9.58	27.6	15.9	9.19	720	87.3	0.75	98.9	2.7	2.9	6.5	140
YE3-180L-8	11	15	42.9	24.8	14.3	41.0	23.6	13.7	39.3	22.7	13.1	730	88.6	0.76	144.6	2.6	2.7	6.5	166
YE3-200L-8	15	20	57.8	33.5	19.3	55.3	31.8	18.4	53.0	30.6	17.7	730	89.6	0.76	195.8	2.6	2.7	6.7	214
YE3-225S-8	18.5	25	70.9	41.0	23.6	67.8	39.0	22.6	65.0	37.6	21.7	740	90.1	0.76	240.9	2.1	2.6	6.7	255
YE3-225M-8	22	30	81.7	47.3	27.2	78.1	44.9	26.0	74.9	43.3	25.0	740	90.6	0.78	286.5	2.2	2.6	7.0	284
YE3-250M-8	30	40	109	63.2	36.4	104	60.0	34.8	100	57.9	33.4	740	91.3	0.79	390.8	2.0	2.6	5.7	380
YE3-280S-8	37	50	134	77.5	44.6	128	73.6	42.7	123	71.0	40.9	740	91.8	0.79	480.2	2.2	2.4	5.8	496
YE3-280M-8	45	60	162	93.9	54.0	155	89.2	51.7	149	85.9	49.5	740	92.2	0.79	584.7	1.9	2.0	6.7	520
YE3-315S-8	55	75	193	112	64.2	184	106	61.4	177	102	58.9	740	92.5	0.81	714.6	1.8	2.0	6.8	900
YE3-315M-8	75	100	261	151	87.0	250	144	83.2	239	138	79.8	740	93.1	0.81	968.2	1.9	2.3	6.0	1000
YE3-315L1-8	90	120	308	179	103	295	170	98.3	283	163	94.2	740	93.4	0.82	1161.5	1.8	2.0	6.4	1060
YE3-315L2-8	110	150	376	218	125	359	207	120	344	199	115	740	93.7	0.82	1419.6	1.8	2.0	6.4	1130
YE3-355M1-8	132	176	449	260	150	430	247	143	412	238	137	740	94.0	0.82	1698.9	1.8	2.0	6.4	1500
YE3-355M2-8	160	213	543	314	181	519	299	173	498	288	166	740	94.3	0.82	2059.3	1.8	2.0	6.4	1600
YE3-355L-8	200	267	668	387	223	639	368	213	613	354	204	740	94.6	0.83	2563.8	1.8	2.0	6.4	1700

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IE4

YE4(IE4)

Cast lron Three Phase Induction Motor

Product Introduction

The motor design conforms to IEC standard. It could be widely applied in the field with high requirement on quality and reliability, such as manufacturing, commerce, construction, water supply and agricultural irrigation, etc.

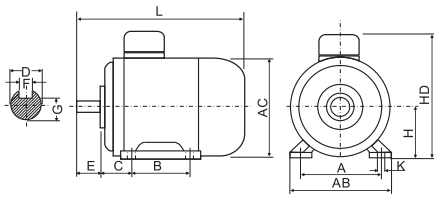
Product Features

- Output: 0.75-315kW
- Frame size: 80-355
- Efficiency: IE4(GB-grade 2)
- Voltage & frequency: multi-voltage & frequency available
- Cooling method: IC411 (standard),IC416 (optional);
- Bearing: Maintenance-free bearing
- Protection grade: IP55 (standard.), IP56 (optional);
- Insulation class: F
- Ambient temperature: -15~40℃
- Altitude: not exceeding 1000m

Product Advantage

- Compact structure design
- Attractive appearance
- Low noise
- High starting torque
- High efficiency and energy saving
- Easy installation and maintenance
- Reliable and durable

IMB3



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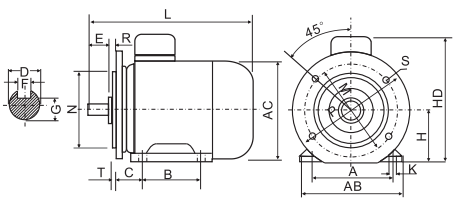

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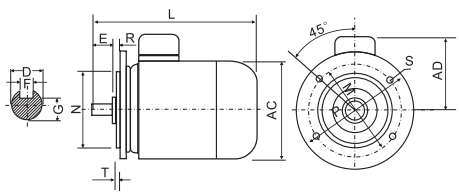


Outline & Installation Dimensions

Frame Size	Mounting Dimensions (mm)																		Overall Dimensions(mm)					
	A	B	C	D		E		F		G		H	K	M	N	P	R	S	T	AB	AC	AD	HD	L	
				2P	4,6,8,10P	2P	4,6,8,10P	2P	4,6,8,10P	2P	4,6,8,10P													2P	4,6,8,10P
80M	125	100	50	19		40		6		15.5		80	10	165	130	200	0	12	3.5	165	168	142	222		298
80M-4	125	100	50	19		40		6		15.5		80	10	165	130	200	0	12	3.5	165	168	142	222		322
90S	140	100	56	24		50		8		20		90	10	165	130	200	0	12	3.5	176	181	150	240		350
90S-4	140	100	56	24		50		8		20		90	10	165	130	200	0	12	3.5	180	205	150	240		374
90L	140	125	56	24		50		8		20		90	10	165	130	200	0	12	3.5	176	181	150	240	380	405
100L	160	140	63	28		60		8		24		100	12	215	180	250	0	15	4	200	206	181	281		428
112M-2	190	140	70	28		60		8		24		112	12	215	180	250	0	15	4	226	220	188	300	395	-
112M-4/6	190	140	70	28		60		8		24		112	12	215	180	250	0	15	4	226	235	193	305	-	448.5
132S-2	216	140	89	38		80		10		33		132	12	265	230	300	0	15	4	262	259	208	340	463	-
132S	216	140	89	38		80		10		33		132	12	265	230	300	0	15	4	262	296	228	360	-	524
132M-2	216	178	89	38		80		10		33		132	12	265	230	300	0	15	4	262	259	208	340	540	-
132M	216	178	89	38		80		10		33		132	12	265	230	300	0	15	4	262	296	228	360	-	554
160M	254	210	108	42		110		12		37		160	15	300	250	350	0	4-19	5	314	314	264	424		610
160L	254	254	108	42		110		12		37		160	15	300	250	350	0	4-19	5	314	314	264	424		654
180M	279	241	121	48		110		14		42.5		180	15	300	250	350	0	4-19	5	349	354	283	463		686
180L	279	279	121	48		110		14		42.5		180	15	300	250	350	0	4-19	5	349	354	283	463		724
200L	318	305	133	55		110		16		49		200	19	350	300	400	0	4-19	5	388	396	312	512		769
225S	356	286	149	-	60	-	140	-	18	-	53	225	19	400	350	450	0	8-19	5	431	445	333	558	–	823
225M	356	311	149	55	60	110	140	16	18	49	53	225	19	400	350	450	0	8-19	5	431	445	333	558	818	848
250M	406	349	168	60	65	140		18		53	58	250	24	500	450	550	0	8-19	5	484	484	367	617		909
280S	457	368	190	65	75	140		18	20	58	67.5	280	24	500	450	550	0	8-19	5	542	546	396	676	959	979
280M	457	419	190	65	75	140		18	20	58	67.5	280	24	500	450	550	0	8-19	5	542	546	396	676	1010	1030
315S	508	406	216	65	80	140	170	18	22	58	71	315	28	600	550	660	0	8-24	6	628	620	540	855	1193	1223
315M	508	457	216	65	80	140	170	18	22	58	71	315	28	600	550	660	0	8-24	6	628	620	540	855	1303	1333
315L	508	508	216	65	80	140	170	18	22	58	71	315	28	600	550	660	0	8-24	6	628	620	540	855	1303	1333
355M	610	560	254	75	95	140	170	20	25	67.5	86	355	28	740	680	800	0	8-24	6	726	701	666	1021	1509	1539
355L	610	630	254	75	95	140	170	20	25	67.5	86	355	28	740	680	800	0	8-24	6	726	701	666	1021	1509	1539

IE4

Technical Data

Model	Rated Power		Rated Current (A)									Speed	Eff.	P.F.	Tn	Tst/Tn	Tmax /Tn	Ist/In	N.G
	kW	HP	220V	380V	660V	230V	400V	690V	240V	415V	720V	rpm	η%	cosφ	N.m				kg
YE4-801-2	0.75	1	2.84	1.64	0.95	2.72	1.56	0.91	2.60	1.51	0.87	2900	83.5	0.83	2.47	2.6	3.0	8.5	21.5
YE4-802-2	1.1	1.5	4.08	2.36	1.36	3.90	2.25	1.30	3.74	2.16	1.25	2900	85.2	0.83	3.62	2.6	3.2	8.5	22.5
YE4-90S-2	1.5	2	5.35	3.10	1.78	5.12	2.94	1.71	4.91	2.84	1.64	2910	86.5	0.85	4.92	2.6	3.2	9.5	28
YE4-90L-2	2.2	3	7.63	4.42	2.54	7.30	4.20	2.43	6.99	4.04	2.33	2910	88.0	0.86	7.22	2.6	3.2	9.5	31
YE4-100L-2	3	4	10.2	5.88	3.39	9.71	5.59	3.24	9.31	5.38	3.10	2910	89.1	0.87	9.85	2.7	3.3	9.5	46
YE4-112M-2	4	5.5	13.3	7.67	4.42	12.7	7.29	4.23	12.1	7.03	4.05	2920	90.0	0.88	13.1	2.6	3.3	9.5	57
YE4-132S1-2	5.5	7.5	18.0	10.4	6.01	17.3	9.92	5.75	16.5	9.57	5.51	2920	90.9	0.88	18.0	2.5	3.3	9.5	67
YE4-132S2-2	7.5	10	24.1	14.0	8.04	23.1	13.3	7.69	22.1	12.8	7.37	2925	91.7	0.89	24.5	2.5	3.3	9.5	79
YE4-160M1-2	11	15	35.0	20.3	11.7	33.5	19.3	11.2	32.1	18.6	10.7	2950	92.6	0.89	35.6	2.7	3.3	9.5	118
YE4-160M2-2	15	20	47.4	27.4	15.8	45.3	26.1	15.1	43.5	25.1	14.5	2950	93.3	0.89	48.6	2.6	3.3	9.5	133
YE4-160L-2	18.5	25	58.2	33.7	19.4	55.7	32.0	18.6	53.4	30.9	17.8	2950	93.7	0.89	59.9	2.7	3.3	9.5	153
YE4-180M-2	22	30	69.0	40.0	23.0	66.0	38.0	22.0	63.3	36.6	21.1	2960	94.0	0.89	71.0	2.7	3.2	9.5	194
YE4-200L1-2	30	40	93.6	54.2	31.2	89.5	51.5	29.8	85.8	49.6	28.6	2970	94.5	0.89	96.5	2.3	2.7	9.0	241
YE4-200L2-2	37	50	115	66.6	38.4	110	63.3	36.7	105.5	61.0	35.2	2970	94.8	0.89	119	2.7	3.0	9.0	262
YE4-225M-2	45	60	140	80.9	46.6	134	76.8	44.5	128.0	74.0	42.7	2970	95.0	0.89	145	2.6	3.2	9.0	326
YE4-250M-2	55	75	170	98.5	56.7	163	93.6	54.3	156.0	90.2	52.0	2970	95.3	0.89	177	2.5	3.2	9.0	440
YE4-280S-2	75	100	231	134	77.1	221	127	74	212	123	70.7	2975	95.6	0.89	241	2.5	3.1	8.5	621
YE4-280M-2	90	120	277	160	92.3	265	152	88	254	147	84.6	2975	95.8	0.89	289	2.6	3.0	8.5	585
YE4-315S-2	110	150	338	196	113	323	186	108	310	179	103	2975	96.0	0.89	353	2.1	2.8	8.5	845
YE4-315M-2	132	176	405	234	135	387	223	129	371	214	124	2975	96.2	0.89	424	2.2	2.7	8.5	953
YE4-315L1-2	160	213	490	284	163	469	269	156	449	260	150	2975	96.3	0.89	514	1.9	2.7	8.5	1022
YE4-315L2-2	200	267	611	354	204	585	336	195	560	324	187	2975	96.5	0.89	642	2.0	2.8	8.5	1133
YE4-355M-2	250	333	747	433	249	715	411	238	685	396	228	2980	96.5	0.91	801	1.7	2.3	8.5	1692
YE4-355L-2	315	420	941	545	314	900	518	300	863	499	288	2980	96.5	0.91	1009	1.7	2.3	8.5	1854
YE4-802-4	0.75	1	3.10	1.80	1.03	2.97	1.71	0.99	2.84	1.65	0.95	1445	85.7	0.74	4.96	2.8	3.2	8.0	22
YE4-90S-4	1.1	1.5	4.41	2.56	1.47	4.22	2.43	1.41	4.05	2.34	1.35	1445	87.2	0.75	7.27	2.6	3.2	8.5	27
YE4-90L-4	1.5	2	5.87	3.40	1.96	5.62	3.23	1.87	5.38	3.11	1.79	1450	88.2	0.76	9.88	2.6	3.2	9.0	32
YE4-100L1-4	2.2	3	8.17	4.73	2.72	7.81	4.49	2.60	7.49	4.33	2.50	1455	89.5	0.79	14.4	2.7	3.3	9.0	46
YE4-100L2-4	3	4	10.9	6.30	3.63	10.4	5.99	3.47	10.0	5.77	3.33	1455	90.4	0.80	19.7	2.7	3.3	9.0	48
YE4-112M-4	4	5.5	14.4	8.34	4.80	13.8	7.92	4.59	13.2	7.64	4.40	1455	91.1	0.80	26.3	2.7	3.3	9.5	59
YE4-132S-4	5.5	7.5	19.6	11.4	6.54	18.8	10.8	6.26	18.0	10.4	6.00	1460	91.9	0.80	36.0	2.7	3.6	9.5	86
YE4-132M-4	7.5	10	26.2	15.2	8.75	25.1	14.4	8.37	24.1	13.9	8.02	1460	92.6	0.81	49.1	2.8	3.6	9.5	101
YE4-160M-4	11	15	37.3	21.6	12.4	35.7	20.5	11.9	34.2	19.8	11.4	1475	93.3	0.83	71.2	2.8	3.3	9.5	124
YE4-160L-4	15	20	49.9	28.9	16.6	47.7	27.4	15.9	45.7	26.5	15.2	1480	93.9	0.84	96.8	2.8	3.3	9.5	145
YE4-180M-4	18.5	25	60.6	35.1	20.2	58.0	33.3	19.3	55.6	32.1	18.5	1480	94.2	0.85	119	2.5	3.4	9.5	197
YE4-180L-4	22	30	71.9	41.6	24.0	68.8	39.5	22.9	65.9	38.1	22.0	1480	94.5	0.85	142	2.6	2.7	9.5	216
YE4-200L-4	30	40	97.6	56.5	32.5	93.4	53.7	31.1	89.5	51.7	29.8	1480	94.9	0.85	194	2.8	3.5	9.0	302
YE4-225S-4	37	50	120	69.5	40.0	115	66.0	38.3	110.0	63.6	36.7	1480	95.2	0.85	239	3.0	3.3	9.0	333
YE4-225M-4	45	60	146	84.3	48.5	139	80.1	46.4	133.5	77.2	44.5	1480	95.4	0.85	290	3.2	3.5	9.0	359
YE4-250M-4	55	75	175	102	58.5	168	96.5	55.9	160.8	93.0	53.6	1485	95.7	0.86	354	3.0	3.1	9.0	492
YE4-280S-4	75	100	236	136	78.6	225	130	75.1	216.0	125	72.0	1485	96.0	0.87	482	2.5	2.8	8.5	622
YE4-280M-4	90	120	279	162	93.1	267	154	89.1	256	148	85.3	1485	96.1	0.88	579	2.5	2.8	8.5	710
YE4-315S-4	110	150	337	195	112	322	185	107	309	179	103	1485	96.3	0.89	707	2.5	2.7	8.5	872
YE4-315M-4	132	176	404	234	135	386	222	129	370	214	123	1485	96.4	0.89	849	2.5	2.8	8.5	990
YE4-315L1-4	160	213	483	280	161	462	266	154	443	256	148	1485	96.6	0.90	1029	2.3	2.7	8.5	1074
YE4-315L2-4	200	267	603	349	201	577	332	192	553	320	184	1485	96.7	0.90	1286	2.1	2.5	8.5	1234
YE4-355M-4	250	333	754	436	251	721	415	240	691	400	230	1490	96.7	0.90	1602	2.1	2.5	8.5	1771
YE4-355L-4	315	420	950	550	317	909	522	303	871	504	290	1490	96.7	0.90	2019	2.3	2.5	8.5	1878

IE4

Technical Data

Model	Rated Power		Rated Current (A)									Speed	Eff.	P.F.	Tn	Tst/Tn	Tmax /Tn	Ist/In	N.G
	kW	HP	220V	380V	660V	230V	400V	690V	240V	415V	720V	rpm	η%	cosφ	N.m				kg
YE4-90S-6	0.75	1	3.40	1.97	1.13	3.25	1.87	1.08	3.12	1.80	1.04	955	82.7	0.70	7.50	2.1	2.4	6.0	27
YE4-90L-6	1.1	1.5	4.88	2.83	1.63	4.67	2.68	1.56	4.47	2.59	1.49	955	84.5	0.70	11.0	2.1	2.4	6.5	32
YE4-100L-6	1.5	2	6.45	3.74	2.15	6.17	3.55	2.06	5.92	3.42	1.97	960	85.9	0.71	14.9	2.2	2.6	6.5	41
YE4-112M-6	2.2	3	9.30	5.39	3.10	8.90	5.12	2.97	8.53	4.93	2.84	965	87.4	0.71	21.8	2.2	2.6	7.5	58
YE4-132S-6	3	4	12.5	7.25	4.17	12.0	6.88	3.99	11.5	6.63	3.82	968	88.6	0.71	29.6	2.5	3.0	7.8	73
YE4-132M1-6	4	5.5	16.3	9.43	5.43	15.6	8.96	5.19	14.9	8.64	4.98	968	89.5	0.72	39.5	2.3	2.6	8.0	82
YE4-132M2-6	5.5	7.5	22.2	12.8	7.38	21.2	12.2	7.06	20.3	11.7	6.77	968	90.5	0.72	54.3	2.3	2.6	9.0	99
YE4-160M-6	7.5	10	28.4	16.4	9.46	27.1	15.6	9.04	26.0	15.0	8.67	975	91.3	0.76	73.5	2.4	3.0	8.0	134
YE4-160L-6	11	15	40.6	23.5	13.5	38.9	22.3	13.0	37.2	21.5	12.4	980	92.3	0.77	107	2.2	2.5	8.5	157
YE4-180L-6	15	20	53.0	30.7	17.7	50.7	29.1	16.9	48.6	28.1	16.2	980	92.9	0.80	146	2.2	2.6	8.5	189
YE4-200L1-6	18.5	25	65.0	37.6	21.7	62.2	35.7	20.7	59.6	34.4	19.9	980	93.4	0.80	180	2.2	2.5	8.5	254
YE4-200L2-6	22	30	76.1	44.0	25.4	72.8	41.8	24.3	69.7	40.3	23.2	980	93.7	0.81	214	2.4	2.8	8.5	273
YE4-225M-6	30	40	102	59.0	34.0	97.5	56.1	32.5	93.4	54.0	31.1	985	94.2	0.82	291	2.4	2.6	8.3	310
YE4-250M-6	37	50	124	71.7	41.3	118	68.1	39.5	113	65.6	37.8	985	94.5	0.83	359	2.1	2.3	8.3	430
YE4-280S-6	45	60	150	86.9	50.0	144	82.6	47.9	138	79.6	45.9	985	94.8	0.83	436	2.0	2.3	8.5	502
YE4-280M-6	55	75	181	105	60.2	173	99.4	57.6	166	95.8	55.2	985	95.1	0.84	533	2.0	2.3	8.5	558
YE4-315S-6	75	100	246	142	81.9	235	135	78.3	225	130	75.1	985	95.4	0.84	727	2.0	2.3	8.0	890
YE4-315M-6	90	120	291	168	97	278	160	92.7	266	154	88.8	985	95.6	0.85	873	2.0	2.2	8.0	999
YE4-315L1-6	110	150	355	205	118	339	195	113	325	188	108	985	95.8	0.85	1066	2.2	2.6	8.0	1096
YE4-315L2-6	132	176	420	243	140	401	231	134	385	222	128	985	96.0	0.86	1280	2.2	2.4	8.0	1209
YE4-355M1-6	160	213	508	294	169	485	279	162	465	269	155	990	96.2	0.86	1543	2.0	2.2	8.0	1612
YE4-355M2-6	200	267	634	367	211	606	349	202	581	336	194	990	96.3	0.86	1929	2.0	2.2	8.0	1772
YE4-355L-6	250	333	791	458	264	756	435	252	725	419	242	990	96.5	0.86	2412	2.0	2.2	8.0	2031
YE4-100L1-8	0.75	1	3.80	2.20	1.27	3.64	2.09	1.21	3.49	2.02	1.16	710	78.4	0.66	10.1	2.0	2.0	7.0	41
YE4-100L2-8	1.1	1.5	5.33	3.09	1.78	5.10	2.93	1.70	4.89	2.83	1.63	710	80.8	0.67	14.8	2.0	2.0	7.0	45
YE4-112M-8	1.5	2	6.91	4.00	2.30	6.61	3.80	2.20	6.33	3.66	2.11	710	82.6	0.69	20.2	2.0	2.0	7.0	58
YE4-132S-8	2.2	3	9.76	5.65	3.25	9.34	5.37	3.11	8.95	5.17	2.98	720	84.5	0.70	29.2	1.8	2.0	7.5	69
YE4-132M-8	3	4	13.1	7.58	4.36	12.5	7.20	4.17	12.0	6.94	4.00	720	85.9	0.70	39.8	1.8	2.0	7.8	81
YE4-160M1-8	4	5.5	17.0	9.83	5.66	16.2	9.34	5.41	15.6	9.00	5.19	720	87.1	0.71	53.1	1.8	2.0	7.9	134
YE4-160M2-8	5.5	7.5	22.7	13.1	7.57	21.7	12.5	7.24	20.8	12.0	6.94	720	88.3	0.72	73.0	1.8	2.0	8.1	147
YE4-160L-8	7.5	10	29.8	17.2	9.93	28.5	16.4	9.50	27.3	15.8	9.10	720	89.3	0.74	99.5	1.8	2.0	7.8	170
YE4-180L-8	11	15	43.2	25.0	14.4	41.3	23.7	13.8	39.6	22.9	13.2	725	90.4	0.74	145	1.8	2.0	7.9	201
YE4-200L-8	15	20	57.6	33.3	19.2	55.1	31.7	18.4	52.8	30.5	17.6	730	91.2	0.75	196	1.8	2.0	8.0	273
YE4-225S-8	18.5	25	70.6	40.9	23.5	67.5	38.8	22.5	64.7	37.4	21.6	730	91.7	0.75	242	1.8	2.0	8.1	287
YE4-225M-8	22	30	82.5	47.8	27.5	78.9	45.4	26.3	75.6	43.7	25.2	730	92.1	0.76	288	1.8	2.0	8.3	319
YE4-250M-8	30	40	110	63.9	36.8	106	60.7	35.2	101	58.5	33.7	730	92.7	0.77	392	1.8	2.0	7.9	430
YE4-280S-8	37	50	134	77.4	44.6	128	73.5	42.6	123	70.9	40.9	735	93.1	0.78	481	1.8	2.0	7.9	539
YE4-280M-8	45	60	162	93.9	54.0	155	89.2	51.7	149	85.9	49.5	735	93.4	0.78	585	1.8	2.0	7.9	622
YE4-315S-8	55	75	193	111	64.2	184	106	61	177	102	58.8	735	93.7	0.80	715	1.6	2.0	8.2	890
YE4-315M-8	75	100	261	151	87.1	250	144	83	239	138	79.8	740	94.2	0.80	968	1.6	2.0	7.6	999
YE4-315L1-8	90	120	309	179	103	295	170	98	283	164	94.4	740	94.4	0.81	1161	1.6	2.0	7.7	1096
YE4-315L2-8	110	150	376	218	125	360	207	120	345	200	115	740	94.7	0.81	1420	1.6	2.0	7.7	1209
YE4-355M1-8	132	176	451	261	150	431	248	144	413	239	138	742	94.9	0.81	1699	1.6	2.0	7.7	1612
YE4-355M2-8	160	213	538	312	179	515	296	172	494	285	165	742	95.1	0.82	2059	1.6	2.0	7.7	1772
YE4-355L-8	200	267	671	388	224	642	369	214	615	356	205	745	95.4	0.82	2564	1.6	2.0	7.8	2031

Above data may vary by Haineng R&D,
Haineng Company Spareserves the right to modify this data at any time and without notice.

MS/MSE2 (IE1&IE2)

Series Aluminum Housing Three Phase Induction Motor

Product Introduction

Conform to IEC standard.
Widely applied in industries which have high requirement on quality and reliability, such as commerce, manufacturing, construction, water supply and agricultural irrigation industries.

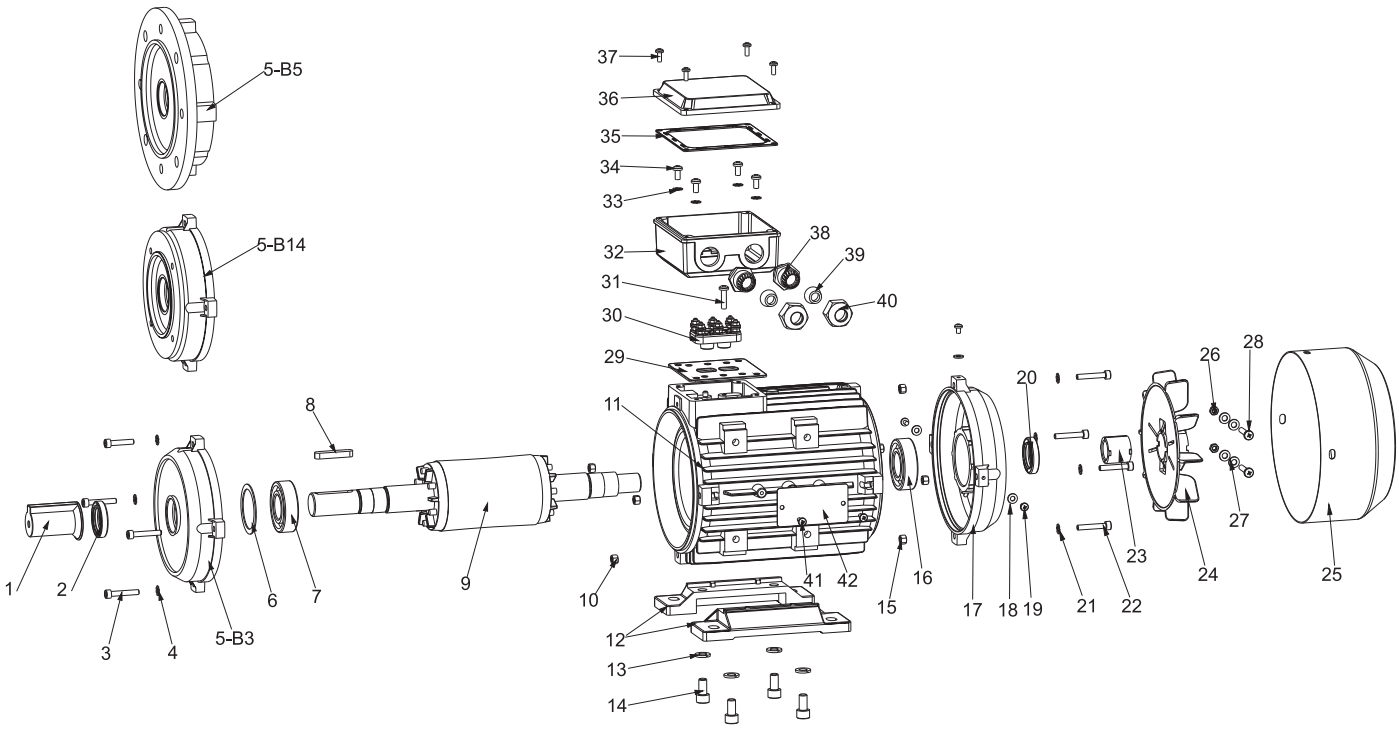
Product Features

- IP54/IP55
- Multiple feet locations
- Aluminium frame, end shields and base
- High strength cable gland
- Shaft key and protector supplied
- Superior paint finish
- Motors made to heavy duty service factors
- Can be made with stainless steel shaft
- Motors made for continuous S1 duty
- Grade F insulation
- High performance and efficiency

Product Advantage

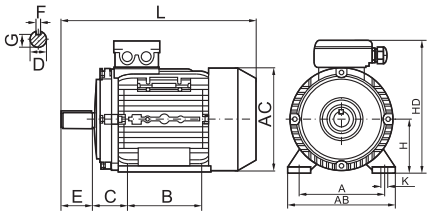
- Water, dust and vermin resistant
- Quiet operation
- Energy saving
- Easy installation (bolt on feet or brackets as required)
- Corrosion resistant
- Dependable
- Superior life
- Reliable in country, city or factory environments

Three-phase Asynchronous Motor

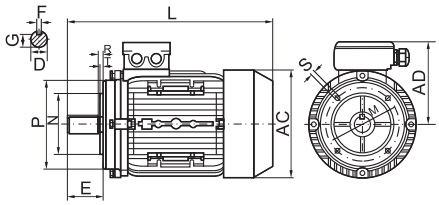


No.	Description.	No.	Description.	No.	Description.
1	Shaft Cover	15	Nut	29	Gasket
2	Rotary Sea	16	Ball Bearing	30	Terminal Block
3	Screw	17	Motor Rear Cover	31	Bolt
4	Washer	18	Washer	32	Terminal Box Base
5	Motor Fore Cover	19	Bolt	33	Washer
6	Adjusting Washer	20	Rotary Seal	34	Bolt
7	Ball Bearing	21	Washer	35	Gasket
8	Key	22	Screw	36	Terminal Box Cover
9	Rotor	23	Fan Tighten Sleeve	37	Bolt
10	Nut	24	Fan	38	Cable Gland-base
11	Stator With Frame	25	Fan Cover	39	Cable Gland-sea
12	(B3) Feet For IM B3	26	Nut	40	Cable Gland-nut
13	Spring Gasket	27	Washer	41	Bolt
14	Screw	28	Bolt	42	Nameplate

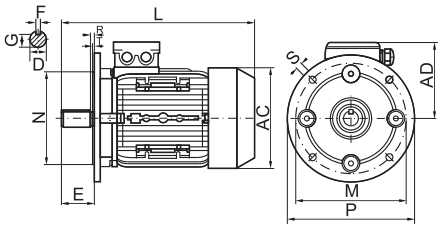
IMB3



IMB14



IMB5



Outline & Installation Dimensions

Frame Size	Installation Size (mm)									Installation Size (mm) IMB14					Installation Size (mm) IMB5					Outline Dimension (mm)				
	A	B	C	D	E	F	G	H	K	M	N	P	S	T	M	N	P	S	T	AB	AC	AD	HD	L
56	90	71	36	9	20	3	7.2	56	6	65	50	80	M5	2.5	98	80	120	7	3	110	120	110	155	195
63	100	80	40	11	23	4	8.5	63	7	75	60	90	M5	2.5	115	95	140	10	3	130	130	115	165	230
71	112	90	45	14	30	5	11	71	7	85	70	105	M6	2.5	130	110	160	10	3.5	145	145	125	185	255
80	125	100	50	19	40	6	15.5	80	10	100	80	120	M6	3	165	130	200	12	3.5	160	165	135	215	295
90S	140	100	56	24	50	8	20	90	10	115	95	140	M8	3	165	130	200	12	3.5	180	185	145	235	316
90M	140	100/125	56	24	50	8	20	90	10	115	95	140	M8	3	165	130	200	12	3.5	180	185	145	235	370
90L	140	125	56	24	50	8	20	90	10	115	95	140	M8	3	165	130	200	12	3.5	180	185	145	235	341
100L	160	140	63	28	60	8	24	100	12	130	110	160	M8	3.5	215	180	250	15	4	205	215	170	255	380
112M	190	140	70	28	60	8	24	112	12	130	110	160	M8	3.5	215	180	250	15	4	245	240	180	285	400
132S	216	140	89	38	80	10	33	132	12	165	130	200	M10	4.0	265	230	300	15	4	280	275	195	325	475
132M	216	178	89	38	80	10	33	132	12	165	130	200	M10	4.0	265	230	300	15	4	280	275	195	325	515
160M	254	210	108	42	110	12	37	160	15	215	180	250	M12	4.0	300	250	350	19	5	320	330	255	420	615
160L	254	254	108	42	110	12	37	160	15	215	180	250	M12	4.0	300	250	350	19	5	320	330	255	420	670

Technical Data

Model	Rated Power		Rated Current (A)									Speed	Tn	Eff.	P.F.	Tst/Tn	Tmax/Tn	Ist/In	N.G
	kW	HP	220V	380V	660V	230V	400V	690V	240V	415V	720V	rpm	N.m	η(%)	cosφ				kg
MS5612	0.09	0.12	0.77	0.45	0.26	0.74	0.42	0.25	0.71	0.41	0.24	2700	0.31	45.0	0.68	2.30	2.40	6.00	3.2
MS5622	0.12	0.16	0.98	0.57	0.33	0.94	0.54	0.31	0.90	0.52	0.30	2700	0.41	45.0	0.71	2.30	2.40	6.00	3.4
MS6312	0.18	0.25	1.19	0.69	0.40	1.14	0.66	0.38	1.09	0.63	0.36	2710	0.63	52.8	0.75	3.00	3.20	5.00	4
MS6322	0.25	0.33	1.45	0.84	0.48	1.38	0.79	0.46	1.32	0.77	0.44	2710	0.88	58.2	0.78	3.20	3.30	5.00	4.5
MS7112	0.37	0.5	1.92	1.11	0.64	1.84	1.06	0.61	1.76	1.02	0.59	2710	1.31	63.9	0.79	2.80	3.00	5.00	6
MS7122	0.55	0.75	2.65	1.53	0.88	2.53	1.46	0.84	2.42	1.40	0.81	2710	1.93	69.0	0.79	3.30	3.50	5.00	6.5
MS8012	0.75	1	3.29	1.90	1.10	3.15	1.81	1.05	3.01	1.74	1.00	2770	2.62	72.1	0.83	2.80	3.80	7.00	9.3
MS8022	1.1	1.5	4.58	2.65	1.53	4.38	2.52	1.46	4.20	2.43	1.40	2770	3.83	75.0	0.84	2.80	3.50	7.00	10
MS8032	1.5	2	6.07	3.51	2.02	5.81	3.34	1.94	5.56	3.22	1.85	2770	5.17	77.2	0.84	3.00	4.00	7.50	11.5
MS90S-2	1.5	2	6.07	3.51	2.02	5.81	3.34	1.94	5.56	3.22	1.85	2840	5.28	77.2	0.84	2.40	2.80	7.50	14
MS90L-2	2.2	3	8.52	4.93	2.84	8.15	4.69	2.72	7.81	4.52	2.60	2840	7.58	79.7	0.85	2.50	2.80	7.50	16
MS90L2-2	3	4	11.1	6.43	3.70	10.6	6.11	3.54	10.1	5.89	3.39	2840	10.2	81.5	0.87	3.00	3.20	7.50	18.5
MS100L-2	3	4	11.1	6.43	3.70	10.6	6.11	3.54	10.1	5.89	3.39	2840	10.0	81.5	0.87	2.60	3.20	7.30	21
MS100L2-2	4	5.5	14.4	8.31	4.78	13.7	7.90	4.58	13.1	7.61	4.39	2850	13.3	83.1	0.88	2.50	2.70	7.00	26

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IE1

Technical Data

Model	Rated Power		Rated Current (A)									Speed	Tn	Eff.	P.F.	Tst/Tn	Tmax/Tn	Ist/In	N.G
	kW	HP	220V	380V	660V	230V	400V	690V	240V	415V	720V	rpm	N.m	η(%)	cosφ				kg
MS112M-2	4	5.5	14.4	8.31	4.78	13.7	7.90	4.58	13.1	7.61	4.39	2880	13.2	83.1	0.88	2.50	2.70	7.00	27
MS112M2-2	5.5	7.5	19.4	11.2	6.45	18.5	10.6	6.17	17.7	10.2	5.92	2880	18.1	84.7	0.88	2.50	2.70	7.00	30
MS112M3-2	7.5	10	26.0	15.0	8.67	24.8	14.3	8.29	23.8	13.7	7.95	2880	24.7	86.0	0.88	2.50	2.70	7.50	38
MS132S1-2	5.5	7.5	19.4	11.2	6.45	18.5	10.6	6.17	17.7	10.2	5.92	2880	18.0	84.7	0.88	2.50	2.70	7.50	39
MS132S2-2	7.5	10	26.0	15.0	8.67	24.8	14.3	8.29	23.8	13.7	7.95	2900	24.7	86.0	0.88	2.50	2.70	7.50	44
MS132M1-2	9.2	12.5	31.0	17.9	10.3	29.6	17.0	9.87	28.4	16.4	9.46	2910	30.2	87.6	0.89	2.50	2.70	7.50	51
MS132M2-2	11	15	37.0	21.4	12.3	35.4	20.3	11.8	33.9	19.6	11.3	2920	36.0	87.6	0.89	2.50	2.70	7.50	55.5
MS132M3-2	15	20	49.9	28.8	16.6	47.7	27.4	15.9	45.7	26.4	15.2	2920	49.1	88.7	0.89	2.50	2.70	7.50	61
MS160M1-2	11	15	37.0	21.4	12.3	35.4	20.3	11.8	33.9	19.6	11.3	2940	35.6	87.6	0.89	2.70	3.00	7.80	86
MS160M2-2	15	20	49.9	28.8	16.6	47.7	27.4	15.9	45.7	26.4	15.2	2940	48.2	88.7	0.89	2.70	3.00	7.80	87
MS160L-2	18.5	25	60.4	34.9	20.1	57.7	33.2	19.2	55.3	32.0	18.4	2940	59.5	89.3	0.90	2.70	3.00	7.80	94
MS5614	0.06	0.08	0.50	0.29	0.17	0.48	0.28	0.16	0.46	0.27	0.15	1350	0.42	53.0	0.59	2.30	2.40	4.50	3
MS5624	0.09	0.12	0.70	0.41	0.23	0.67	0.39	0.22	0.65	0.37	0.22	1350	0.64	55.0	0.61	2.30	2.40	4.50	3.4
MS5634	0.12	0.16	0.98	0.57	0.33	0.94	0.54	0.31	0.90	0.52	0.30	1350	0.83	50.0	0.64	2.30	2.40	4.50	4
MS6314	0.12	0.16	0.98	0.57	0.33	0.94	0.54	0.31	0.90	0.52	0.30	1350	0.85	50.0	0.64	2.20	2.40	4.50	3.5
MS6324	0.18	0.25	1.28	0.74	0.43	1.22	0.70	0.41	1.17	0.68	0.39	1350	1.28	57.0	0.65	2.20	2.40	4.50	4.9
MS6334	0.25	0.33	1.48	0.86	0.49	1.42	0.81	0.47	1.36	0.79	0.45	1350	1.77	61.5	0.72	2.20	2.40	4.50	5.5
MS7114	0.25	0.33	1.48	0.86	0.49	1.42	0.81	0.47	1.36	0.79	0.45	1370	1.72	61.5	0.72	2.40	2.80	4.50	6
MS7124	0.37	0.5	1.99	1.15	0.66	1.90	1.09	0.63	1.82	1.05	0.61	1370	2.57	66.0	0.74	2.40	2.80	4.50	6.4
MS7134	0.55	0.75	2.75	1.59	0.92	2.63	1.51	0.88	2.52	1.46	0.84	1370	3.81	70.0	0.75	2.50	2.80	5.00	7.5
MS8014	0.55	0.75	2.75	1.59	0.92	2.63	15.1	0.88	2.52	1.46	0.84	1380	3.83	70.0	0.75	2.40	2.60	5.00	9
MS8024	0.75	1	3.59	2.08	1.20	3.44	1.98	1.15	3.29	1.90	1.10	1380	5.19	72.1	0.76	2.40	2.60	5.00	10.5
MS8034	1.1	1.5	5.00	2.89	1.67	4.78	2.75	1.59	4.58	2.65	1.53	1380	7.61	75.0	0.77	2.40	2.60	5.00	11.5
MS90S-4	1.1	1.5	5.00	2.89	1.67	4.78	2.75	1.59	4.58	2.65	1.53	1390	7.56	75.0	0.77	2.20	2.40	6.00	13.5
MS90L-4	1.5	2	6.45	3.74	2.15	6.17	3.55	2.06	5.92	3.42	1.97	1400	10.2	77.2	0.79	2.20	2.40	6.00	16
MS90L1-4	1.85	2.5	7.88	4.56	2.63	7.54	4.33	2.51	7.22	4.18	2.41	1400	12.6	78.0	0.79	2.20	2.40	6.00	17
MS90L2-4	2.2	3	8.94	5.18	2.98	8.55	4.92	2.85	8.20	4.74	2.73	1400	15.0	79.7	0.81	2.50	2.70	6.00	18
MS100L1-4	2.2	3	8.94	5.18	2.98	8.55	4.92	2.85	8.20	4.74	2.73	1430	14.7	79.7	0.81	2.20	2.30	7.00	20
MS100L2-4	3	4	11.8	6.82	3.93	11.2	6.48	3.76	10.8	6.25	3.60	1430	20.0	81.5	0.82	2.20	2.30	7.00	24
MS100L3-4	4	5.5	15.4	8.92	5.14	14.7	8.47	4.91	14.1	8.17	4.71	1420	26.9	83.1	0.82	2.50	2.70	7.00	29
MS112M-4	4	5.5	15.4	8.92	5.14	14.7	8.47	4.91	14.1	8.17	4.71	1430	26.7	83.1	0.82	2.40	3.00	7.00	30.5
MS112M2-4	5.5	7.5	20.5	11.8	6.84	19.6	11.2	6.55	18.8	10.8	6.27	1435	36.6	84.7	0.83	2.70	3.00	7.00	41
MS132S-4	5.5	7.5	20.5	11.8	6.84	19.6	11.2	6.55	18.8	10.8	6.27	1440	36.5	84.7	0.83	2.80	3.20	7.50	44
MS132M-4	7.5	10	27.2	15.7	9.08	26.0	14.9	8.69	24.9	14.4	8.33	1450	49.4	86.0	0.84	2.80	3.20	7.50	54.5
MS132M2-4	9.2	12.5	32.8	19.0	10.9	31.4	18.0	10.4	30.1	17.4	10.0	1460	60.2	87.5	0.84	2.80	3.20	7.50	62
MS132M3-4	11	15	39.2	22.7	13.0	37.5	21.5	12.5	35.9	20.8	11.9	1460	72.0	87.6	0.84	2.50	2.70	7.00	66
MS160M-4	11	15	39.2	22.7	13.0	37.5	21.5	12.5	35.9	20.8	11.9	1460	72.0	87.6	0.84	2.40	3.50	7.50	89
MS160L1-4	15	20	52.2	30.2	17.4	49.9	28.7	16.6	47.8	27.6	15.9	1460	98.1	88.7	0.85	2.40	3.50	7.50	108

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IE1

Technical Data

Model	Rated Power		Rated Current (A)									Speed	Tn	Eff.	P.F.	Tst/Tn	Tmax/Tn	Ist/In	N.G
	kW	HP	220V	380V	660V	230V	400V	690V	240V	415V	720V	rpm	N.m	η(%)	cosφ				kg
MS6316	0.09	0.12	1.01	0.58	0.34	0.97	0.56	0.32	0.93	0.54	0.31	830	1.04	50.0	0.61	2.20	2.40	3.50	4.5
MS6326	0.12	0.16	1.33	0.77	0.44	1.27	0.73	0.42	1.21	0.70	0.40	830	1.38	53.0	0.62	2.20	2.40	3.50	5
MS7116	0.18	0.25	1.57	0.91	0.52	1.50	0.86	0.50	1.44	0.83	0.48	880	1.95	56.0	0.66	2.30	2.50	3.50	5.9
MS7126	0.25	0.33	1.88	1.09	0.63	0.80	1.03	0.60	1.72	0.99	0.57	900	2.65	59.0	0.68	2.30	2.50	3.50	6.3
MS7136	0.37	0.5	2.36	1.36	0.78	2.25	1.30	0.75	2.16	1.25	0.72	900	3.93	62.0	0.70	2.30	2.50	3.50	7.5
MS8016	0.37	0.5	2.36	1.36	0.78	2.25	1.30	0.75	2.16	1.25	0.72	915	3.86	62.0	0.70	2.20	2.40	4.00	8.9
MS8026	0.55	0.75	3.05	1.76	1.02	2.91	1.68	0.97	2.79	1.62	0.93	920	5.71	65.0	0.72	2.20	2.40	4.00	9.3
MS90S-6	0.75	1	3.91	2.26	1.30	3.74	2.15	1.25	3.58	2.07	1.19	930	7.70	70.0	0.72	2.20	2.50	4.50	12
MS90L-6	1.1	1.5	5.42	3.14	1.81	5.19	2.98	1.73	4.97	2.88	1.66	930	11.3	72.9	0.73	2.20	2.50	4.50	16
MS90L2-6	2.2	3	9.78	5.66	3.26	9.35	5.38	3.12	8.96	5.18	2.99	930	22.6	77.7	0.76	2.20	2.50	5.00	18
MS100L-6	1.5	2	6.98	4.04	2.33	6.68	3.84	2.23	6.40	3.70	2.13	945	15.2	75.2	0.75	2.20	2.80	6.00	20
MS112M-6	2.2	3	9.78	5.66	3.26	9.35	5.38	3.12	8.96	5.18	2.99	945	22.2	77.7	0.76	2.20	2.50	6.00	26.5
MS112M1-6	3	4	13.0	7.52	4.33	12.4	7.15	4.14	11.9	6.89	3.97	945	30.3	79.7	0.76	2.20	2.50	6.00	40
MS132S-6	3	4	13.0	7.52	4.33	12.4	7.15	4.14	11.9	6.89	3.97	960	29.8	79.7	0.76	2.00	2.30	6.50	34
MS132M1-6	4	5.5	17.0	9.82	5.66	16.2	9.33	5.41	15.5	9.00	5.18	960	39.8	81.4	0.76	2.00	2.30	6.50	46.5
MS132M2-6	5.5	7.5	22.6	13.0	7.52	21.5	12.4	7.19	20.6	11.9	6.89	960	54.7	83.1	0.77	2.00	2.30	6.50	54
MS160M-6	7.5	10	30.2	17.4	10.0	28.8	16.6	9.62	27.6	16.0	9.22	970	73.8	84.7	0.77	2.30	2.60	6.50	80
MS160L-6	11	15	42.8	24.8	14.2	40.9	23.5	13.6	39.2	22.7	13.0	970	108.3	86.4	0.78	2.30	2.60	6.50	103
MS7118	0.09	0.12	1.36	0.78	0.45	1.30	0.75	0.75	1.24	0.72	0.41	680	1.26	31.0	0.56	1.90	2.10	3.50	5.9
MS7128	0.12	0.16	1.72	0.99	0.57	1.65	0.95	0.95	1.58	0.91	0.53	690	1.66	31.0	0.59	1.90	2.10	3.50	6.5
MS8018	0.18	0.25	2.04	1.18	0.68	1.95	1.12	1.12	1.87	1.08	0.62	680	2.53	38.0	0.61	1.80	2.00	3.30	9
MS8028	0.25	0.33	2.48	1.43	0.83	2.37	1.36	1.36	2.27	1.31	0.76	680	3.51	43.4	0.61	1.80	2.00	3.30	11
MS90S-8	0.37	0.5	3.10	1.80	1.03	2.97	1.71	1.71	2.84	1.64	0.95	680	5.20	49.7	0.63	1.90	2.00	4.00	14
MS90L-8	0.55	0.75	3.96	2.29	1.32	3.79	2.18	2.18	3.63	2.10	1.21	700	7.50	56.1	0.65	1.90	2.10	4.00	17
MS100L1-8	0.75	1	4.80	2.78	1.60	4.59	2.64	2.64	4.40	2.54	1.47	700	10.2	61.2	0.67	1.90	2.10	4.00	19
MS100L2-8	1.1	1.5	6.38	3.69	2.13	6.11	3.51	3.51	5.85	3.38	1.95	710	14.8	66.5	0.68	1.90	2.10	5.00	20
MS112M-8	1.5	2	8.12	4.70	2.71	7.77	4.47	4.47	7.45	4.31	2.48	710	20.2	70.2	0.69	1.90	2.10	5.00	27
MS132S-8	2.2	3	10.9	6.34	3.65	10.5	6.02	6.02	10.0	5.80	3.35	720	29.2	74.2	0.71	2.00	2.10	6.00	36
MS132M-8	3	4	14.0	8.11	4.67	13.4	7.70	7.70	12.8	7.42	4.28	720	39.8	77.0	0.73	2.00	2.10	6.00	43
MS160M1-8	4	5.5	18.1	10.5	6.05	17.4	9.98	9.98	16.6	9.62	5.55	720	53.1	79.2	0.73	2.00	2.10	6.00	61
MS160M2-8	5.5	7.5	24.0	13.9	7.99	22.9	13.2	13.2	21.9	12.7	7.32	720	73.0	81.4	0.74	2.00	2.10	6.00	80
MS160L-8	7.5	10	31.5	18.3	10.5	30.2	17.4	17.4	28.9	16.7	9.65	720	99.5	83.1	0.75	2.00	2.10	6.00	102

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IE2

Technical Data

Model	Rated Power		Rated Current (A)									Speed	Eff. η(%)			P.F.	Tn	N.G
	kW	HP	220V	380V	660V	230V	400V	690V	240V	415V	720V	rpm	100%	75%	50%	cosφ	N.m	kg
MSE2-801-2	0.75	1	3.06	1.77	1.02	2.93	1.69	0.98	2.81	1.62	0.94	2875	77.4	77.2	74.7	0.83	2.49	8.2
MSE2-802-2	1.1	1.5	4.37	2.53	1.46	4.18	2.40	1.39	4.01	2.32	1.34	2875	79.6	79.7	78.9	0.83	3.65	9.2
MSE2-90S-2	1.5	2	5.76	3.34	1.92	5.51	3.17	1.84	5.28	3.06	1.76	2890	81.3	81.4	80.7	0.84	4.96	13.1
MSE2-90L-2	2.2	3	8.16	4.73	2.72	7.81	4.49	2.60	7.48	4.33	2.49	2890	83.2	82.9	82.2	0.85	7.27	16
MSE2-100L-2	3	4	10.7	6.19	3.57	10.2	5.88	3.41	9.81	5.67	3.27	2891	84.6	84.5	82.8	0.87	9.91	22.3
MSE2-112M-2	4	5.5	13.9	8.05	4.63	13.3	7.65	4.43	12.7	7.37	4.25	2914	85.8	86.1	85.4	0.88	13.1	30.4
MSE2-132S1-2	5.5	7.5	18.9	10.9	6.28	18.0	10.4	6.01	17.3	10.0	5.76	2937	87.0	86.7	84.8	0.88	17.9	46
MSE2-132S2-2	7.5	10	25.1	14.5	8.37	24.0	13.8	8.00	23.0	13.3	7.67	2940	88.1	88.4	87.8	0.89	24.4	51.2
MSE2-160M1-2	11	15	36.3	21.0	12.1	34.7	20.0	11.6	33.3	19.2	11.1	2930	89.4	89.1	87.7	0.89	35.9	90
MSE2-160M2-2	15	20	49.0	28.4	16.3	46.9	26.9	15.6	44.9	26.0	15.0	2930	90.3	90.5	89.7	0.89	48.9	100
MSE2-160L-2	18.5	25	60.0	34.7	20.0	57.4	33.0	19.1	55.0	31.8	18.3	2937	90.9	91.0	90.0	0.89	60.2	111
MSE2-802-4	0.75	1	3.30	1.91	1.10	3.15	1.81	1.05	3.02	1.75	1.01	1400	79.6	79.3	78.4	0.75	5.12	11
MSE2-90S-4	1.1	1.5	4.73	2.74	1.58	4.52	2.60	1.51	4.33	2.51	1.44	1400	81.4	81.1	77.6	0.75	7.3	13.1
MSE2-90L-4	1.5	2	6.34	3.67	2.11	6.06	3.49	2.02	5.81	3.36	1.94	1445	82.8	82.5	77.5	0.75	9.91	16.3
MSE2-100L1-4	2.2	3	8.46	4.90	2.82	8.09	4.65	2.70	7.75	4.48	2.58	1440	84.3	84.4	83.7	0.81	14.6	23.5
MSE2-100L2-4	3	4	11.2	6.50	3.74	10.7	6.18	3.58	10.3	5.95	3.43	1440	85.5	85.3	83.9	0.82	19.9	26
MSE2-112M-4	4	5.5	14.8	8.56	4.93	14.1	8.13	4.71	13.6	7.84	4.52	1445	86.6	86.9	86.9	0.82	26.4	33.1
MSE2-132S-4	5.5	7.5	20.1	11.6	6.69	19.2	11.0	6.40	18.4	10.6	6.13	1455	87.7	87.4	86.9	0.82	36.1	46.1
MSE2-132M-4	7.5	10	26.7	15.5	8.91	25.6	14.7	8.52	24.5	14.2	8.17	1455	88.7	88.5	88.3	0.83	49.2	54.3
MSE2-160M-4	11	15	37.8	21.9	12.6	36.2	20.8	12.0	34.7	20.0	11.5	1460	89.8	90.1	89.1	0.85	71.9	108
MSE2-160L-4	15	20	50.5	29.2	16.8	48.3	27.8	16.1	46.3	26.8	15.4	1460	90.6	90.8	89.9	0.86	98.1	114
MSE2-90S-6	0.75	1	3.60	2.09	1.20	3.45	1.98	1.15	3.30	1.91	1.10	934	75.9	76.1	75.1	0.72	7.67	13
MSE2-90L-6	1.1	1.5	5.06	2.93	1.69	4.84	2.78	1.61	4.64	2.68	1.55	945	78.1	77.9	77.8	0.73	11.1	16.5
MSE2-100L-6	1.5	2	6.67	3.86	2.22	6.38	3.67	2.13	6.11	3.53	2.04	945	79.8	80.1	78.5	0.74	15.2	23.2
MSE2-112M-6	2.2	3	9.54	5.52	3.18	9.12	5.25	3.04	8.74	5.06	2.91	960	81.8	81.9	81.5	0.74	21.9	32
MSE2-132S-6	3	4	12.8	7.39	4.26	12.2	7.02	4.07	11.7	6.77	3.90	964	83.3	83.6	82.3	0.74	29.7	42
MSE2-132M1-6	4	5.5	16.8	9.71	5.59	16.0	9.22	5.35	15.4	8.89	5.12	965	84.6	84.5	82.4	0.74	39.6	51
MSE2-132M2-6	5.5	7.5	22.4	13.0	7.46	21.4	12.3	7.13	20.5	11.9	6.84	965	86.0	85.9	84.7	0.75	54.4	61
MSE2-160M-6	7.5	10	28.9	16.8	9.65	27.7	15.9	9.23	26.5	15.3	8.84	970	87.2	87	84.9	0.78	73.8	120
MSE2-160L-6	11	15	41.2	23.9	13.7	39.4	22.7	13.1	37.8	21.8	12.6	970	88.7	88.4	86.1	0.79	108.3	133

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IE3

MSE3 (IE3)

Series Aluminum Housing Three Phase Induction Motor

Product Introduction

This series of motor design conforms to IEC standard. It is widely applied in the field with high requirement on quality and reliability, such as manufacturing, commerce, construction, water supply and agricultural irrigation, etc.

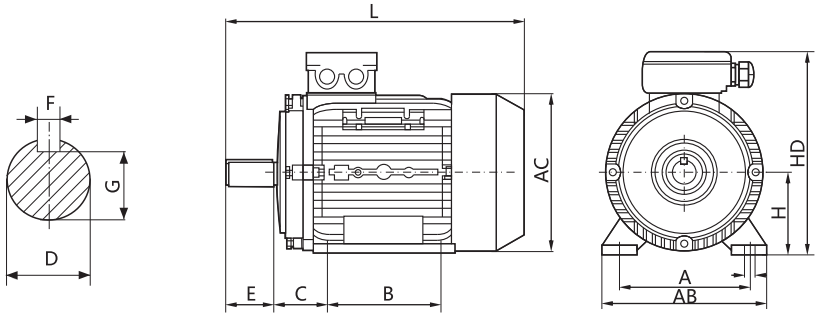
Product Features

- Output: 0.12-18.5kW
- Frame size: 56-160
- Rated voltage: according to customer's requirements
- Rated frequency: 50/60Hz
- Efficiency: IE3 (GB-grade 3)
- Insulation class: F
- Protection grade: IP55
- Cooling method: IC411
- Duty type: S1
- Removable foot
- Aluminum frame, end shields and base
- High strength sealing
- Shaft key and protector supplied
- Stainless steel shaft is optional

Product Advantage

- Low noise
- Energy saving
- Easy installation
- Anti-corrosion
- Reliable performance
- Long service life
- Suitable for industry, urban and rural areas

IMB3



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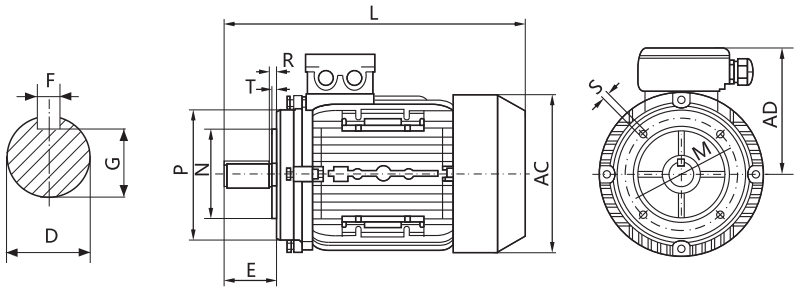

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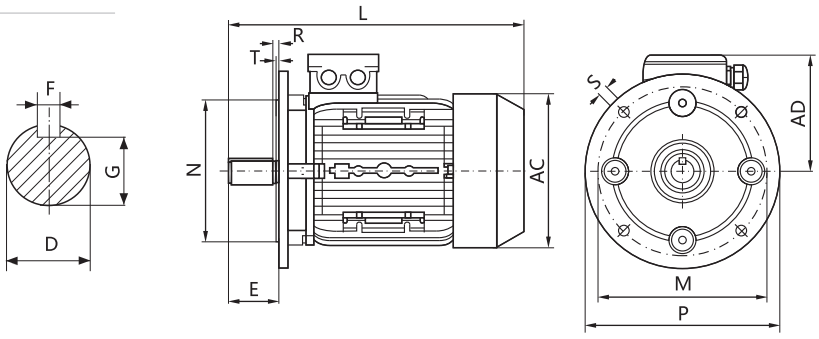


Outline & Installation Dimensions

Frame Size	Mounting Dimensions (mm)																					Overall Dimensions(mm)				
	IMB3									IMB14						IMB5										
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	M	N	P	R	S	T	AB	AC	AD	HD	L
56	90	71	36	9	20	3	7.2	56	6	65	50	80	0	M5	2.5	98	80	120	0	7	3	110	110	100	156	195
63	100	80	40	11	23	4	8.5	63	7	75	60	90	0	M5	2.5	115	95	140	0	10	3	122	120	103	166	218
71	112	90	45	14	30	5	11	71	7	85	70	105	0	M6	2.5	130	110	160	0	10	3.5	138	139	115	186	250
80	125	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	3	165	130	200	0	12	3.5	159	158	126	206	295
90S	140	100/125	56	24	50	8	20	90	10	115	95	140	0	M8	3	165	130	200	0	12	3.5	177	175	132	222	337
90L	140	125	56	24	50	8	20	90	10	115	95	140	0	M8	3	165	130	200	0	12	3.5	177	175	132	222	363
100L	160	140	63	28	60	8	24	100	12	130	110	160	0	M8	3.5	215	180	250	0	15	4	205	198	147	247	401
112M	190	140	70	28	60	8	24	112	12	130	110	160	0	M8	3.5	215	180	250	0	15	4	222	228	169	281	405
112M-4	190	140	70	28	60	8	24	112	12	130	110	160	0	M8	3.5	215	180	250	0	15	4	222	228	169	281	430
132S	216	140	89	38	80	10	33	132	12	165	130	200	0	M10	4	265	230	300	0	15	4	257	268	188	320	467
132M	216	178	89	38	80	10	33	132	12	165	130	200	0	M10	4	265	230	300	0	15	4	257	268	188	320	505
160M	254	210	108	42	110	12	37	160	15	215	180	250	0	M12	4	300	250	350	0	19	5	302	314	246	406	617
160L	254	254	108	42	110	12	37	160	15	215	180	250	0	M12	4	300	250	350	0	19	5	302	314	246	406	661

IE3

Technical Data

Model	Rated Power		Rated Current (A)									Speed	Eff.	P.F.	Tn	Tst/Tn	Tmax /Tn	Ist/In	N.G
	kW	HP	220V	380V	660V	230V	400V	690V	240V	415V	720V	rpm	η%	cosφ	N.m				kg
MSE3-5622	0.12	1/6	0.73	0.42	0.24	0.70	0.40	0.23	0.67	0.39	0.22	2720	60.8	0.71	0.42	3.0	3.1	4.6	3.9
MSE3-6312	0.18	1/4	0.96	0.55	0.32	0.91	0.53	0.30	0.88	0.51	0.29	2780	65.9	0.75	0.62	2.7	2.8	4.9	5
MSE3-6322	0.25	1/3	1.22	0.71	0.41	1.17	0.67	0.39	1.12	0.65	0.37	2780	69.7	0.77	0.86	3.3	3.4	5.6	6
MSE3-7112	0.37	1/2	1.69	0.98	0.56	1.61	0.93	0.54	1.55	0.89	0.52	2780	73.8	0.78	1.27	2.8	2.8	4.9	7
MSE3-7122	0.55	3/4	2.35	1.36	0.78	2.25	1.29	0.75	2.15	1.24	0.72	2850	77.8	0.79	1.84	3.4	3.2	6.2	7.5
MSE3-801-2	0.75	1	2.97	1.72	0.99	2.85	1.64	0.95	2.73	1.58	0.91	2900	80.7	0.82	2.49	2.5	3.0	7.3	9.5
MSE3-802-2	1.1	1 1/2	4.21	2.43	1.40	4.02	2.31	1.34	3.86	2.23	1.29	2910	82.7	0.83	3.65	2.8	3.5	8.7	10.5
MSE3-90S-2	1.5	2	5.57	3.22	1.86	5.32	3.06	1.77	5.10	2.95	1.70	2900	84.2	0.84	4.95	2.4	3.2	8.5	15
MSE3-90L-2	2.2	3	7.91	4.58	2.64	7.56	4.35	2.52	7.25	4.19	2.42	2915	85.9	0.85	7.26	2.6	3.5	8.5	19
MSE3-100L-2	3	4	10.39	6.02	3.46	9.94	5.71	3.31	9.52	5.51	3.17	2910	87.1	0.87	9.90	3.2	3.5	8.5	25
MSE3-112M-2	4	5 1/2	13.54	7.84	4.51	12.95	7.45	4.32	12.41	7.18	4.14	2920	88.1	0.88	13.15	2.6	3.0	8.6	34
MSE3-132S1-2	5.5	7 1/2	18.39	10.65	6.13	17.59	10.11	5.86	16.86	9.75	5.62	2920	89.2	0.88	17.93	2.5	2.8	8.6	49.5
MSE3-132S2-2	7.5	10	24.82	14.37	8.27	23.74	13.65	7.91	22.76	13.16	7.59	2925	90.1	0.88	24.45	2.5	3.0	8.5	55
MSE3-132M1-2	9.2	12 1/2	30.28	17.53	10.09	28.97	16.66	9.66	27.76	16.05	9.25	2930	90.6	0.88	30.00	2.6	3.2	8.8	62
MSE3-132M2-2	11	15	35.57	20.59	11.86	34.02	19.56	11.34	32.60	18.85	10.87	2945	91.2	0.89	35.67	2.7	3.6	8.8	76.5
MSE3-160M1-2	11	15	35.57	20.59	11.86	34.02	19.56	11.34	32.60	18.85	10.87	2945	91.2	0.89	35.67	2.7	3.6	8.8	99
MSE3-160M2-2	15	20	48.13	27.86	16.04	46.04	26.47	15.35	44.12	25.51	14.71	2945	91.9	0.89	48.64	2.6	3.6	9.0	108
MSE3-160L-2	18.5	25	59.04	34.18	19.68	56.47	32.47	18.82	54.12	31.30	18.04	2940	92.4	0.89	60.09	2.7	3.6	9.0	118
MSE3-6314	0.12	1/6	0.74	0.43	0.25	0.70	0.40	0.23	0.67	0.39	0.22	1330	64.8	0.66	0.86	2.5	2.7	3.5	5
MSE3-6324	0.18	1/4	1.02	0.59	0.34	0.98	0.56	0.33	0.94	0.54	0.31	1360	69.9	0.66	1.26	2.5	2.7	3.6	6
MSE3-7114	0.25	1/3	1.29	0.75	0.43	1.24	0.71	0.41	1.19	0.69	0.40	1380	73.5	0.69	1.73	2.3	2.6	4.6	7
MSE3-7124	0.37	1/2	1.79	1.04	0.60	1.72	0.99	0.57	1.64	0.95	0.55	1400	77.3	0.7	2.52	2.6	2.8	5.1	9
MSE3-801-4	0.55	0.75	2.48	1.44	0.83	2.37	1.36	0.79	2.27	1.32	0.76	1430	80.8	0.72	3.67	2.6	3.0	6.2	11
MSE3-802-4	0.75	1	3.18	1.84	1.06	3.04	1.75	1.01	2.92	1.69	0.97	1445	82.5	0.75	5.04	3.0	3.6	7.2	13
MSE3-90S-4	1.1	1.5	4.52	2.61	1.51	4.32	2.48	1.44	4.14	2.39	1.38	1445	84.1	0.76	7.27	2.5	3.0	8.0	14.5
MSE3-90L-4	1.5	2	5.99	3.47	2.00	5.73	3.30	1.91	5.49	3.18	1.83	1445	85.3	0.77	9.91	2.9	3.2	8.1	18.5
MSE3-100L1-4	2.2	3	8.22	4.76	2.74	7.86	4.52	2.62	7.54	4.36	2.51	1455	86.7	0.81	14.6	3.1	3.7	8.1	27
MSE3-100L2-4	3	4	10.9	6.34	3.65	10.5	6.02	3.49	10.0	5.80	3.35	1450	87.7	0.82	20.0	3.2	3.7	8.6	30
MSE3-112M-4	4	5.5	14.4	8.37	4.82	13.8	7.95	4.61	13.2	7.66	4.41	1455	88.6	0.82	26.5	3.0	3.7	8.8	38
MSE3-132S-4	5.5	7.5	19.4	11.2	6.47	18.6	10.7	6.19	17.8	10.3	5.93	1460	89.6	0.83	36.0	2.8	3.6	8.6	50
MSE3-132M-4	7.5	10	25.9	15.0	8.64	24.8	14.3	8.26	23.8	13.7	7.92	1460	90.4	0.84	49.1	3.2	3.6	8.6	58
MSE3-132M2-4	9.2	12.5	31.6	18.3	10.54	30.2	17.4	10.08	29.0	16.8	9.66	1460	90.9	0.84	60.2	3.2	3.6	8.6	68
MSE3-160M-4	11	15	37.2	21.5	12.39	35.5	20.4	11.85	34.1	19.7	11.35	1465	91.4	0.85	71.7	3.5	3.8	8.8	111
MSE3-160L-4	15	20	49.7	28.8	16.57	47.5	27.3	15.85	45.6	26.3	15.19	1465	92.1	0.86	97.8	3.5	3.8	8.8	117
MSE3-6326	0.12	0.16	0.94	0.54	0.31	0.90	0.52	0.30	0.86	0.50	0.29	860	57.7	0.58	1.33	1.9	2.2	3.0	6.5
MSE3-7116	0.18	0.25	1.25	0.73	0.42	1.20	0.69	0.40	1.15	0.66	0.38	920	63.9	0.59	1.87	2.4	2.3	3.2	7
MSE3-7126	0.25	0.33	1.62	0.94	0.54	1.55	0.89	0.52	1.49	0.86	0.50	920	68.6	0.59	2.60	2.1	2.3	3.2	8
MSE3-801-6	0.37	0.5	2.17	1.25	0.72	2.07	1.19	0.69	1.99	1.15	0.66	950	73.5	0.61	3.72	1.9	2.3	5.7	11.5
MSE3-802-6	0.55	0.75	3.02	1.75	1.01	2.88	1.66	0.96	2.76	1.60	0.92	950	77.2	0.62	5.53	2.0	2.3	5.5	12.5
MSE3-90S-6	0.75	1	3.51	2.03	1.17	3.36	1.93	1.12	3.22	1.86	1.07	955	78.9	0.71	7.66	1.9	2.3	6.0	15
MSE3-90L-6	1.1	1.5	4.88	2.83	1.63	4.67	2.69	1.56	4.48	2.59	1.49	955	81.0	0.73	11.1	2.6	3.0	6.0	20
MSE3-100L-6	1.5	2	6.54	3.78	2.18	6.25	3.59	2.08	5.99	3.47	2.00	960	82.5	0.73	15.1	2.6	3.1	6.5	27
MSE3-112M-6	2.2	3	9.26	5.36	3.09	8.85	5.09	2.95	8.48	4.91	2.83	965	84.3	0.74	22.0	2.2	3.0	6.6	35.5
MSE3-132S-6	3	4	12.4	7.20	4.14	11.9	6.84	3.96	11.4	6.59	3.80	968	85.6	0.74	29.6	2.7	3.8	7.8	46
MSE3-132M1-6	4	5.5	16.3	9.46	5.45	15.6	8.99	5.21	15.0	8.66	4.99	968	86.8	0.74	39.5	2.3	2.7	7.8	55
MSE3-132M2-6	5.5	7.5	21.9	12.7	7.29	20.9	12.0	6.97	20.0	11.6	6.68	968	88.0	0.75	54.3	2.3	2.7	8.1	65.5
MSE3-160M-6	7.5	10	28.0	16.2	9.32	26.7	15.4	8.92	25.6	14.8	8.54	970	89.1	0.79	73.8	2.4	3.1	7.8	123
MSE3-160L-6	11	15	40.0	23.1	13.3	38.2	22.0	12.7	36.6	21.2	12.2	970	90.3	0.8	108.3	1.9	2.4	7.8	138
MSE3-7128	0.12	0.16	1.19	0.69	0.40	1.14	0.66	0.38	1.09	0.63	0.36	690	50.7	0.52	1.66	1.9	2.3	2.6	7
MSE3-801-8	0.18	0.25	1.52	0.88	0.51	1.45	0.84	0.48	1.39	0.80	0.46	710	58.7	0.53	2.42	1.8	2.2	3.0	11.5
MSE3-802-8	0.25	0.33	1.93	1.12	0.64	1.85	1.06	0.62	1.77	1.02	0.59	710	64.1	0.53	3.36	2.0	2.4	3.2	12.5
MSE3-90S-8	0.37	0.5	2.42	1.40	0.81	2.31	1.33	0.77	2.21	1.28	0.74	710	69.3	0.58	4.98	1.9	2.5	4.0	15.5
MSE3-90L-8	0.55	0.75	3.35	1.94	1.12	3.21	1.84	1.07	3.07	1.78	1.02	710	73.0	0.59	7.40	1.8	2.5	4.0	18.5
MSE3-100L1-8	0.75	1	4.04	2.34	1.35	3.86	2.22	1.29	3.70	2.14	1.23	700	75.0	0.65	10.2	1.80	2.00	6.2	22
MSE3-100L2-8	1.1	1.5	5.38	3.12	1.79	5.15	2.96	1.72	4.94	2.85	1.65	710	77.7	0.69	14.8	1.80	2.00	6.2	27.5
MSE3-112M1-8	1.5	2	7.06	4.08	2.35	6.75	3.88	2.25	6.47	3.74	2.16	705	79.7	0.70	20.3	1.80	2.00	6.7	34
MSE3-112M2-8	1.8	2.4	8.47	4.90	2.82	8.10	4.66	2.70	7.76	4.49	2.59	705	79.7	0.70	24.4	1.80	2.00	6.7	34
MSE3-112M3-8	2	2.7	9.41	5.45	3.14	9.00	5.17	3.00	8.62	4.99	2.87	705	79.7	0.70	27.1	1.80	2.00	6.7	37
MSE3-132S-8	2.2	3	9.93	5.75	3.31	9.50	5.46	3.17	9.10	5.26	3.03	705	81.9	0.71	29.8	1.80	2.00	6.7	44
MSE3-132M-8	3	4	13.10	7.58	4.37	12.53	7.20	4.18	12.00	6.94	4.00	705	83.5	0.72	40.6	1.80	2.00	6.9	52.5

Above data may vary by Haineng R&D,
Haineng Company Spareserves the right to modify this data at any time and without notice.

IE4

MS (MSE4)/IE4

Series Three Phase Aluminum Housing Induction Motor

Product Introduction

The motor design conforms to IEC standard. It could be widely applied in the field with high requirement on quality and reliability, such as manufacturing, commerce, construction, water supply and agricultural irrigation, etc.

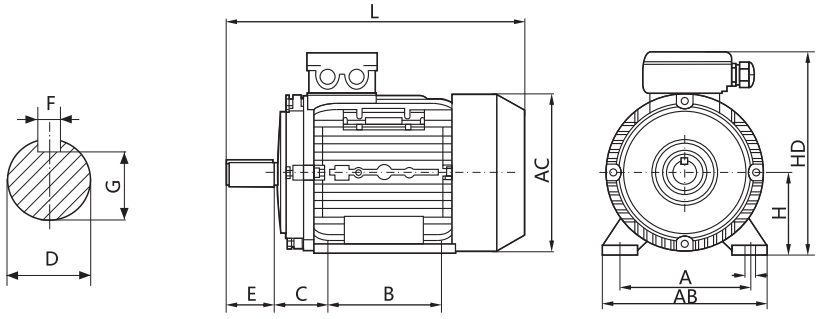
Product Features

- Output: 0.75-18.5kW
- Frame size: 80-160
- Efficiency: IE4(GB-grade 2)
- Voltage & frequency: multi-voltage & frequency available
- Cooling method: IC411 (standard),IC416 (optional);
- Bearing: Maintenance-free bearing
- Protection grade: IP55 (standard.), IP56 (optional);
- Insulation class: F
- Ambient temperature: -15~40℃
- Altitude: not exceeding 1000m

Product Advantage

- Compact structure design
- Attractive appearance
- Low noise
- High starting torque
- High efficiency and energy saving
- Easy installation and maintenance
- Reliable and durable

IMB3



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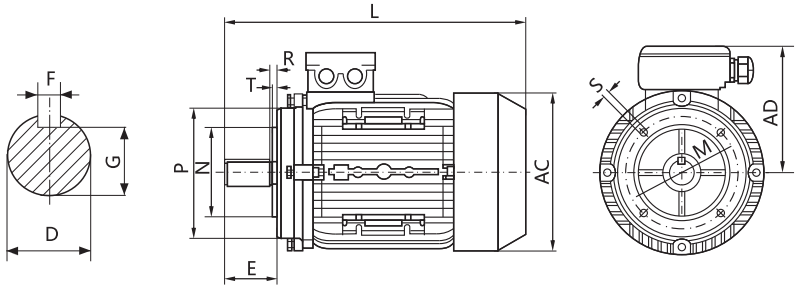

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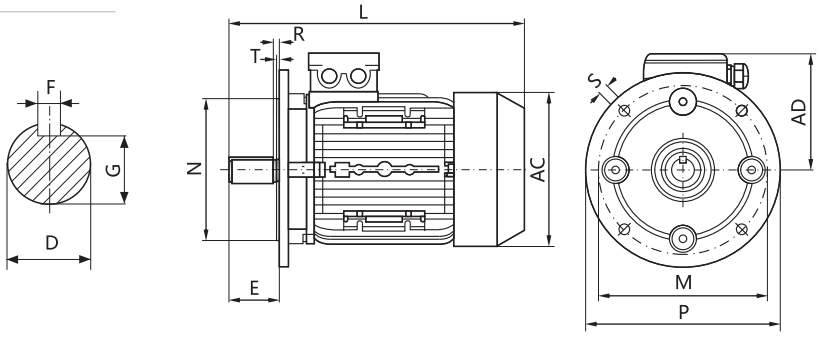

Outline & Installation Dimensions

Frame Size	Mounting Dimensions (mm)																				Overall Dimensions(mm)				
	IMB3									IMB14						IMB5									
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	M	N	P	R	S	T	AB	AC	AD	HD	L
80M	125	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	3	165	130	200	0	12	3.5	159	158	126	206	295
80M2-4	125	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	3	165	130	200	0	12	3.5	159	158	126	206	307
90S	140	100/125	56	24	50	8	20	90	10	115	95	140	0	M8	3	165	130	200	0	12	3.5	177	175	132	222	337
90L-2	140	125	56	24	50	8	20	90	10	115	95	140	0	M8	3	165	130	200	0	12	3.5	177	175	132	222	363
90L-4/6	140	125	56	24	50	8	20	90	10	115	95	140	0	M8	3	165	130	200	0	12	3.5	177	175	132	222	373
100L	160	140	63	28	60	8	24	100	12	130	110	160	0	M8	3.5	215	180	250	0	15	4	205	198	147	247	401
100L2-4	160	140	63	28	60	8	24	100	12	130	110	160	0	M8	3.5	215	180	250	0	15	4	205	198	147	247	427
112M-2	190	140	70	28	60	8	24	112	12	130	110	160	0	M8	3.5	215	180	250	0	15	4	222	228	169	281	430
112M-4/6/8	190	140/178	70	28	60	8	24	112	12	130	110	160	0	M8	3.5	215	180	250	0	15	4	222	235	177	289	456
132S-2	216	140	89	38	80	10	33	132	12	165	130	200	0	M10	4	265	230	300	0	15	4	257	268	188	320	467
132S-4/6/8	216	140	89	38	80	10	33	132	12	165	130	200	0	M10	4	265	230	300	0	15	4	270	293	207	339	495
132M-2	216	178	89	38	80	10	33	132	12	165	130	200	0	M10	4	265	230	300	0	15	4	257	268	188	320	505
132M-4/6/8	216	178	89	38	80	10	33	132	12	165	130	200	0	M10	4	265	230	300	0	15	4	270	293	207	339	533
160M	254	210	108	42	110	12	37	160	15	215	180	250	0	M12	4	300	250	350	0	19	5	302	314	246	406	617
160L	254	254	108	42	110	12	37	160	15	215	180	250	0	M12	4	300	250	350	0	19	5	302	314	246	406	661

IE4

Technical Data

Model	Rated Power		Rated Current (A)									Speed	Eff.	P.F.	Tn	Tst/Tn	Tmax /Tn	Ist/In	N.G
	kW	HP	220V	380V	660V	230V	400V	690V	240V	415V	720V	rpm	η%	cosφ	N.m				kg
MSE4-801-2	0.75	1	2.84	1.64	0.95	2.72	1.56	0.91	2.60	1.51	0.87	2900	83.5	0.83	2.47	2.6	3.0	8.5	10.6
MSE4-802-2	1.1	1.5	4.08	2.36	1.36	3.90	2.25	1.30	3.74	2.16	1.25	2900	85.2	0.83	3.62	2.6	3.2	8.5	12
MSE4-90S-2	1.5	2	5.35	3.10	1.78	5.12	2.94	1.71	4.91	2.84	1.64	2910	86.5	0.85	4.92	2.6	3.2	9.5	17
MSE4-90L-2	2.2	3	7.63	4.42	2.54	7.30	4.20	2.43	6.99	4.04	2.33	2910	88.0	0.86	7.22	2.6	3.2	9.5	21
MSE4-100L-2	3	4	10.2	5.88	3.39	9.71	5.59	3.24	9.31	5.38	3.10	2910	89.1	0.87	9.85	2.7	3.3	9.5	28
MSE4-112M-2	4	5.5	13.3	7.67	4.42	12.7	7.29	4.23	12.1	7.03	4.05	2920	90.0	0.88	13.1	2.6	3.3	9.5	40
MSE4-132S1-2	5.5	7.5	18.0	10.4	6.01	17.3	9.92	5.75	16.5	9.57	5.51	2920	90.9	0.88	18.0	2.5	3.3	9.5	52
MSE4-132S2-2	7.5	10	24.1	14.0	8.04	23.1	13.3	7.69	22.1	12.8	7.37	2925	91.7	0.89	24.5	2.5	3.3	9.5	64
MSE4-160M1-2	11	15	35.0	20.3	11.7	33.5	19.3	11.2	32.1	18.6	10.7	2950	92.6	0.89	35.6	2.7	3.3	9.5	109
MSE4-160M2-2	15	20	47.4	27.4	15.8	45.3	26.1	15.1	43.5	25.1	14.5	2950	93.3	0.89	48.6	2.6	3.3	9.5	119
MSE4-160L-2	18.5	25	58.2	33.7	19.4	55.7	32.0	18.6	53.4	30.9	17.8	2950	93.7	0.89	59.9	2.7	3.3	9.5	130
MSE4-802-4	0.75	1	3.10	1.80	1.03	2.97	1.71	0.99	2.84	1.65	0.95	1445	85.7	0.74	4.96	2.8	3.2	8.0	15
MSE4-90S-4	1.1	1.5	4.41	2.56	1.47	4.22	2.43	1.41	4.05	2.34	1.35	1445	87.2	0.75	7.27	2.6	3.2	8.5	17
MSE4-90L-4	1.5	2	5.87	3.40	1.96	5.62	3.23	1.87	5.38	3.11	1.79	1450	88.2	0.76	9.88	2.6	3.2	9.0	21
MSE4-100L1-4	2.2	3	8.17	4.73	2.72	7.81	4.49	2.60	7.49	4.33	2.50	1455	89.5	0.79	14.4	2.7	3.3	9.0	31
MSE4-100L2-4	3	4	10.9	6.30	3.63	10.4	5.99	3.47	10.0	5.77	3.33	1455	90.4	0.80	19.7	2.7	3.3	9.0	35
MSE4-112M-4	4	5.5	14.4	8.34	4.80	13.8	7.92	4.59	13.2	7.64	4.40	1455	91.1	0.80	26.3	2.7	3.3	9.5	49
MSE4-132S-4	5.5	7.5	19.6	11.4	6.54	18.8	10.8	6.26	18.0	10.4	6.00	1460	91.9	0.80	36.0	2.7	3.6	9.5	75
MSE4-132M-4	7.5	10	26.2	15.2	8.75	25.1	14.4	8.37	24.1	13.9	8.02	1460	92.6	0.81	49.1	2.8	3.6	9.5	85
MSE4-160M-4	11	15	37.3	21.6	12.4	35.7	20.5	11.9	34.2	19.8	11.4	1475	93.3	0.83	71.2	2.8	3.3	9.5	124
MSE4-160L-4	15	20	49.9	28.9	16.6	47.7	27.4	15.9	45.7	26.5	15.2	1480	93.9	0.84	96.8	2.8	3.3	9.5	131
MSE4-90S-6	0.75	1	3.40	1.97	1.13	3.25	1.87	1.08	3.12	1.80	1.04	955	82.7	0.70	7.50	2.1	2.4	6.0	17
MSE4-90L-6	1.1	1.5	4.88	2.83	1.63	4.67	2.68	1.56	4.47	2.59	1.49	955	84.5	0.70	11.0	2.1	2.4	6.5	23
MSE4-100L-6	1.5	2	6.45	3.74	2.15	6.17	3.55	2.06	5.92	3.42	1.97	960	85.9	0.71	14.9	2.2	2.6	6.5	31
MSE4-112M-6	2.2	3	9.30	5.39	3.10	8.90	5.12	2.97	8.53	4.93	2.84	965	87.4	0.71	21.8	2.2	2.6	7.5	48
MSE4-132S-6	3	4	12.5	7.25	4.17	12.0	6.88	3.99	11.5	6.63	3.82	968	88.6	0.71	29.6	2.5	3.0	7.8	62
MSE4-132M1-6	4	5.5	16.3	9.43	5.43	15.6	8.96	5.19	14.9	8.64	4.98	968	89.5	0.72	39.5	2.3	2.6	8.0	66
MSE4-132M2-6	5.5	7.5	22.2	12.8	7.38	21.2	12.2	7.06	20.3	11.7	6.77	968	90.5	0.72	54.3	2.3	2.6	9.0	83
MSE4-160M-6	7.5	10	28.4	16.4	9.46	27.1	15.6	9.04	26.0	15.0	8.67	975	91.3	0.76	73.5	2.4	3.0	8.0	138
MSE4-160L-6	11	15	40.6	23.5	13.5	38.9	22.3	13.0	37.2	21.5	12.4	980	92.3	0.77	107	2.2	2.5	8.5	155
MSE4-100L1-8	0.75	1	3.80	2.20	1.27	3.64	2.09	1.21	3.49	2.02	1.16	710	78.4	0.66	10.1	2.0	2.0	7.0	31.1
MSE4-100L2-8	1.1	1.5	5.33	3.09	1.78	5.10	2.93	1.70	4.89	2.83	1.63	710	80.8	0.67	14.8	2.0	2.0	7.0	35.0
MSE4-112M-8	1.5	2	6.91	4.00	2.30	6.61	3.80	2.20	6.33	3.66	2.11	710	82.6	0.69	20.2	2.0	2.0	7.0	48.0
MSE4-132S-8	2.2	3	9.76	5.65	3.25	9.34	5.37	3.11	8.95	5.17	2.98	720	84.5	0.70	29.2	1.8	2.0	7.5	59.0
MSE4-132M-8	3	4	13.1	7.58	4.36	12.5	7.20	4.17	12.0	6.94	4.00	720	85.9	0.70	39.8	1.8	2.0	7.8	65.0
MSE4-160M1-8	4	5.5	17.0	9.83	5.66	16.2	9.34	5.41	15.6	9.00	5.19	720	87.1	0.71	53.1	1.8	2.0	7.9	119.0
MSE4-160M2-8	5.5	7.5	22.7	13.1	7.57	21.7	12.5	7.24	20.8	12.0	6.94	720	88.3	0.72	73.0	1.8	2.0	8.1	138.0
MSE4-160L-8	7.5	10	29.8	17.2	9.93	28.5	16.4	9.50	27.3	15.8	9.10	720	89.3	0.74	99.5	1.8	2.0	7.8	154.6

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YL

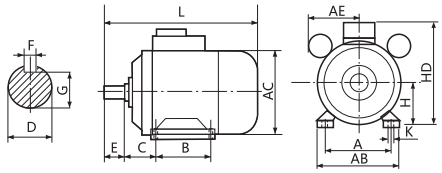
Series Single-phase Heavy-duty Cast Iron Housing Induction Motor With Dual Capacitors

YL series single phase heavy-duty induction motor is designed and manufactured in according with national standard, newly developed by our company with low noise, compact construction, light weight, easy maintenance etc.
These motors are widely used in air compressors, pumps, fans, refrigerator, medical instruments, small-size machines etc, especially for occasion where only single-phase power supply is available.

Features

- With starting and running dual capacitors
- Frame Size: H71-H132
- Rated Power Range: 2 pole 0.37kW-3kW
  4 pole 0.25kW-7.5kW
- House Material: Cast iron (plastic terminal box)
- Standard Color: Lake blue
- Rated Voltage: 220V±5%, 50Hz
  60Hz is available on request
- Protection Class: IP44
- Insulation Class: Class B/F
- Cooling Method: IC 411
- Duty: S1
- Ambient Temperature: -15℃≤θ≤40℃
- Altitude: 1000 meters

IMB3



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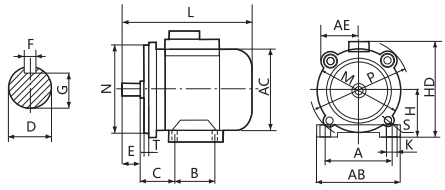

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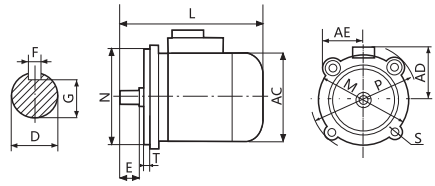


Outline & Installation Dimensions

Frame Size	Mounting Dimensions (mm)															Outline Dimension (mm)				
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	AB	T	AC	AD	HD	L
71	112	90	45	14	30	5	11	71	7	130	110	160	0	10	145	3.5	145	109	180	255
80	125	100	50	19	40	6	15.5	80	10	165	130	200	0	12	160	3.5	165	115	200	295
90S	140	100	56	24	50	8	20	90	10	165	130	200	0	12	180	3.5	185	120	210	305
90L	140	125	56	24	50	8	20	90	10	165	130	200	0	12	180	3.5	185	120	210	330
100L	160	140	63	28	60	8	24	100	12	215	180	250	0	15	205	4.0	220	180	260	430
112M	190	140	70	28	60	8	24	112	12	215	180	250	0	15	245	4.0	250	190	300	455
132S	216	140	89	38	80	10	33	132	12	265	230	300	0	15	280	4.0	262	210	350	525

Technical Data

Model	Output (kW)	Voltage (V)	Current (A)	Speed (r.p.m)	Eff (%)	Power factor	Frequency (Hz)	Start torque / Rated torque	Start current / Rated current	Max torque / Rated torque
YL7112	0.37	220	2.73	2800	67	0.92	50	2.0	6.0	1.8
YL7122	0.55	220	3.88	2800	70	0.92	50	2.0	6.0	1.8
YL8012	0.75	220	5.15	2810	72	0.92	50	2.0	6.0	1.8
YL8022	1.1	220	7.02	2810	75	0.95	50	2.0	6.0	1.8
YL90S-2	1.5	220	9.44	2820	76	0.95	50	2.2	6.0	1.8
YL90L-2	2.2	220	13.7	2820	77	0.95	50	2.2	6.0	1.8
YL100L-2	3.0	220	18.2	2800	79	0.95	50	2.2	6.0	1.8
YL7114	0.25	220	1.99	1400	62	0.92	50	2.0	6.0	1.8
YL7124	0.37	220	2.81	1400	65	0.92	50	2.0	6.0	1.8
YL8014	0.55	220	4.0	1410	68	0.92	50	2.0	6.0	1.8
YL8024	0.75	220	5.22	1410	71	0.92	50	2.0	6.0	1.8
YL90S-4	1.1	220	7.21	1430	73	0.95	50	2.2	6.0	1.8
YL90L-4	1.5	220	9.57	1430	75	0.95	50	2.2	6.0	1.8
YL100L1-4	2.2	220	13.9	1440	76	0.95	50	2.2	6.0	1.8
YL100L2-4	3	220	18.6	1440	77	0.95	50	2.2	6.0	1.8
YL112M-4	2.2	220	13.9	1450	76	0.95	50	2.2	6.0	1.8
YL112M1-4	3	220	18.6	1450	77	0.95	50	2.2	6.0	1.8
YL112M2-4	3.7	220	23.7	1450	78	0.95	50	2.2	6.0	1.8
YL132S1-4	3	220	18.6	1460	77	0.95	50	2.1	6.0	1.8
YL132S2-4	3.7	220	22.7	1460	78	0.95	50	2.1	6.0	1.8
YL132M1-4	5.5	220	31.7	1460	83	0.95	50	2.1	6.0	1.8
YL132M2-4	7.5	220	43.2	1460	83	0.95	50	2.1	6.0	1.8

**110V, 110V/220V, 60Hz is available on request.

YC/YCL

Series Single-phase Heavy-duty Cast Iron Housing Induction Motor With Starting /Dual Capacitors

General Informations

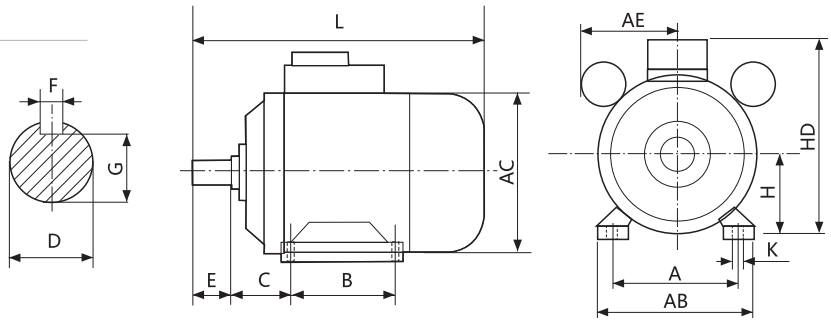
YC series motors are totally enclosed fan cooled (TEFC) heavy-duty single-phase capacitor start induction motors.
These motors also concentrate the advantages of large starting torque, smooth turning, low temperature rise, low noise and great overload performance. They are suitable for powering small type drilling machines and water pumps, especially for family workshops where only single-phase current supply is available.

YCL series single phase heavy-duty induction motor is designed and manufactured in according with national standard, newly developed by our company with low noise, compact construction, light weight, easy maintenance etc.
These motors are widely used in air compressors, pumps, fans, refrigerator, medical instruments, small-size machines etc, especially for occasion where only single-phase power supply is available.

Features

- YC Series with capacitor start.
- Frame Size : H71-H132
- Rated Power Range : 2 pole 0.18kW---3.7kW
  4 pole 0.12KW---5.5kW
- YCL Series with starting and running dual capacitors.
- Frame Size: H80-H132
- Rated Power Range: 2 pole 0.37kW-3.7kW
  4 pole 0.25kW-7.5kW
- House Material: Cast iron (plastic/steel terminal box)
- Standard Color: Haineng green
- Rated Voltage: 220v±5%, 50hz
  60Hz is available on request
- Protection Class: IP44
- Insulation Class: Class B/F
- Cooling Method: IC411
- Duty: S1
- Ambient temperature: -15℃≤θ≤40℃
- Altitude: 1000 meters

IMB3



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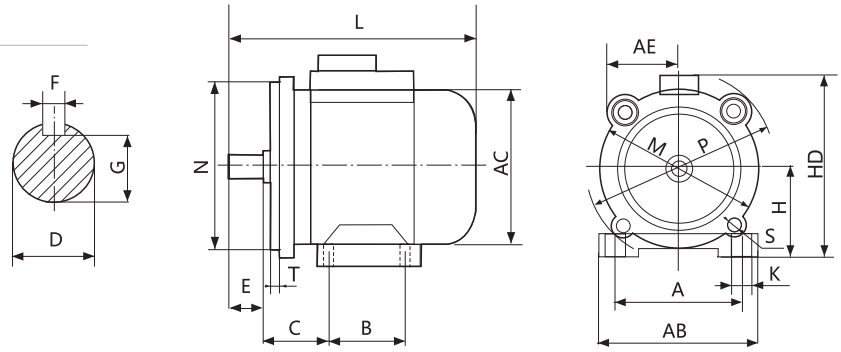

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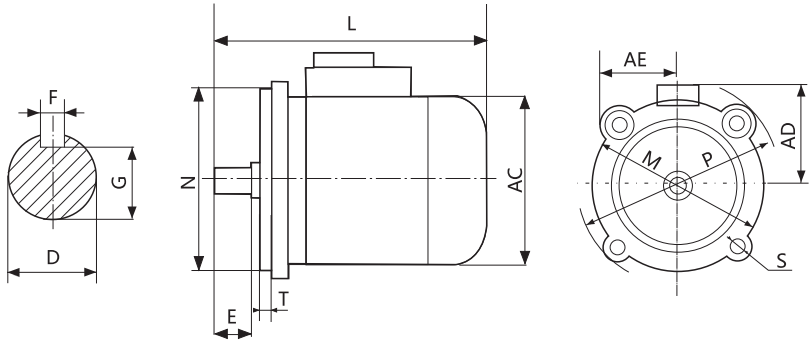


Outline & Installation Dimensions

Frame Size	Mounting Dimensions (mm)															Outline Dimension (mm)					
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AB	AC	AE	AD	HD	L
71	112	90	45	14	30	5	11	71	7	130	110	160	0	10	3.5	145	145	95	109	180	255
80	125	100	50	19	40	6	15.5	80	10	165	130	200	0	12	3.5	160	165	110	120	200	310
90S	140	100	56	24	50	8	20	90	10	165	130	200	0	12	3.5	180	185	120	140	230	345
90L	140	125	56	24	50	8	20	90	10	165	130	200	0	12	3.5	180	185	120	140	230	385
100L	160	140	63	28	60	8	24	100	12	215	180	250	0	15	4.0	205	200	130	145	245	415
112M	190	140	70	28	60	8	24	112	12	215	180	250	0	15	4.0	245	220	140	160	272	448
132S	216	140	89	38	80	10	33	132	12	265	230	300	0	15	4.0	270	262	150	180	312	480
132M	216	178	89	38	80	10	33	132	12	265	230	300	0	15	4.0	270	262	150	180	312	515

YC Series Technical Data

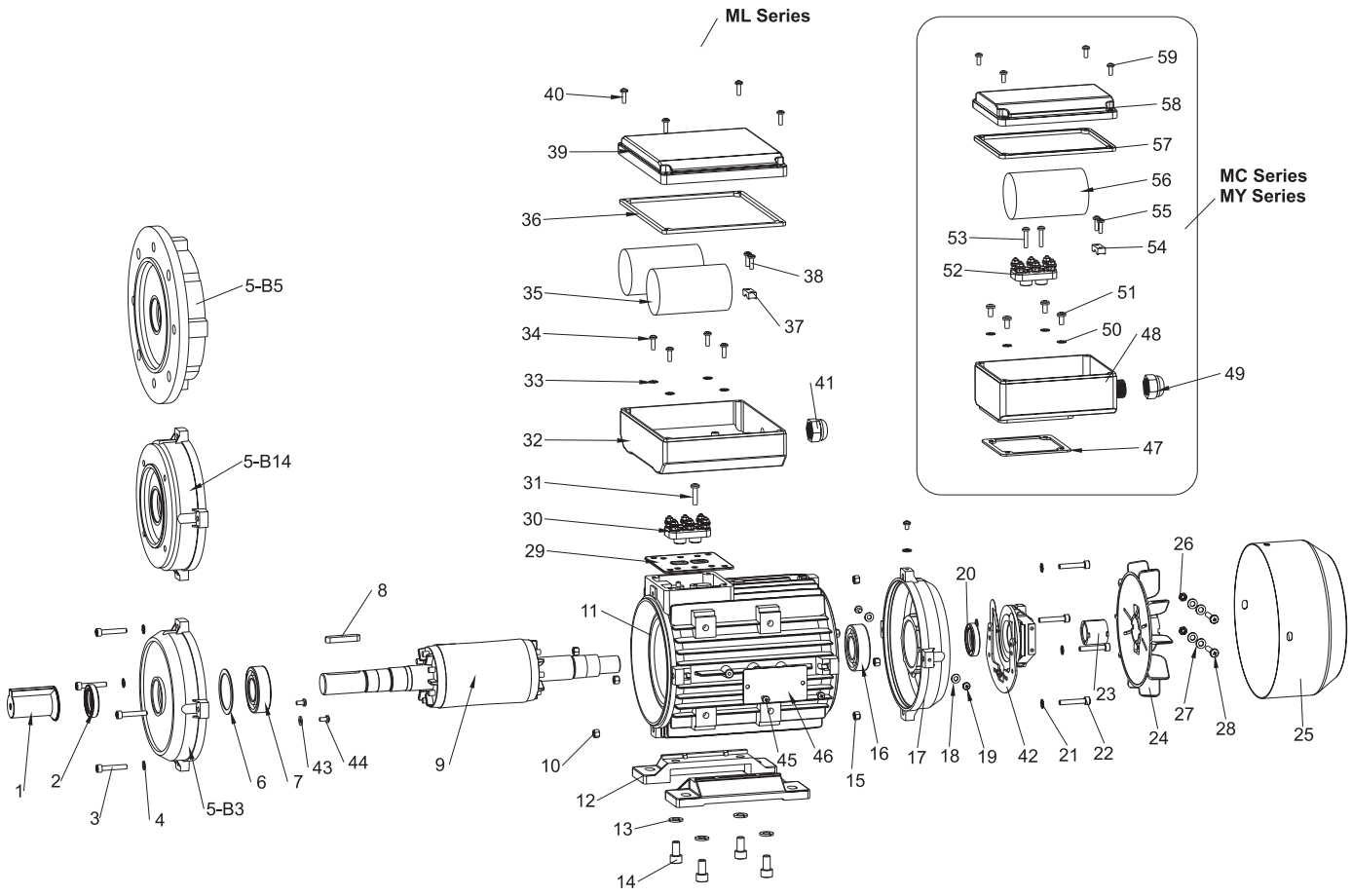
Model	Output (kW)	Voltage (V)	Current (A)	Speed (r.p.m)	Eff (%)	Power factor	Start torque / Rated torque	Start current / Rated current	Max. torque / Rated torque
YC711-2	0.18	220	1.9	2800	60	0.72	2.8	6.5	1.8
YC712-2	0.25	220	2.5	2800	62	0.73	2.8	6.5	1.8
YC80a-2	0.37	220	3.7	2800	62	0.73	2.8	6.5	1.8
YC80b-2	0.55	220	5.3	2800	65	0.73	2.8	6.5	1.8
YC80c-2	0.75	220	6.7	2810	68	0.75	2.8	6.5	1.8
YC90S-2	1.1	220	9.1	2810	71	0.77	2.4	7	1.8
YC90L-2	1.5	220	12.1	2820	72	0.78	2.4	7	1.8
YC100L-2	2.2	220	17.1	2830	74	0.79	2.5	7	1.8
YC112M1-2	3	220	22.7	2830	76	0.79	2.5	6	1.8
YC112M2-2	3.7	220	27.3	2850	78	0.79	2.5	6	1.8
YC711-4	0.12	220	1.9	1400	50	0.58	2.8	6	1.8
YC712-4	0.18	220	2.6	1400	53	0.60	2.8	6	1.8
YC80a-4	0.25	220	3.4	1400	56	0.60	2.8	6	1.8
YC80b-4	0.37	220	4.5	1410	60	0.62	2.8	6	1.8
YC80c-4	0.55	220	6.0	1410	64	0.65	2.8	6	1.8
YC90S-4	0.75	220	7.7	1410	67	0.66	2.4	6.5	1.8
YC90L-4	1.1	220	10.5	1430	70	0.68	2.4	6.5	1.8
YC100L-4	1.5	220	13.5	1430	72	0.70	2.4	6.5	1.8
YC112M-4	2.2	220	19.3	1440	72	0.72	2.5	6.5	1.8
YC132SA-4	3	220	25.2	1440	74	0.73	2.5	6.5	1.8
YC132SB-4	3.7	220	30.3	1450	75	0.74	2.5	6.5	1.8
YC132MA-4	5.5	220	39	1460	78	0.81	2.5	6.5	1.8

YCL Series Technical Data

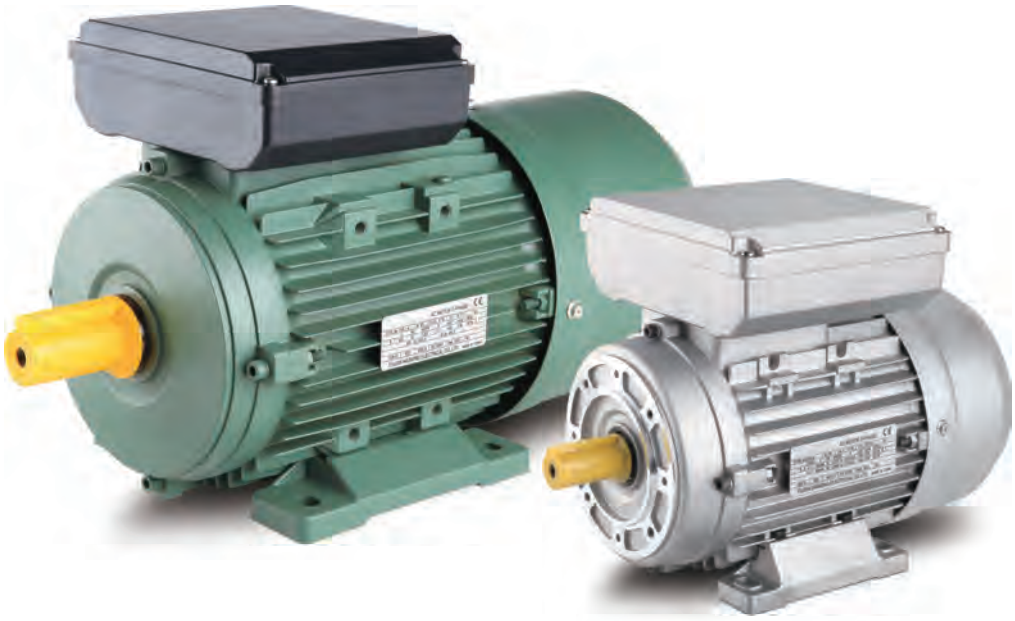
Model	Output (kW)	Voltage (V)	Current (A)	Speed (r.p.m)	Eff (%)	Power factor	Start torque / Rated torque	Start current / Rated current	Max. torque / Rated torque
YCL80a-2	0.37	220	2.73	2800	67	0.92	2.0	6.0	1.8
YCL80b-2	0.55	220	3.88	2800	70	0.92	2.0	6.0	1.8
YCL80c-2	0.75	220	5.15	2810	72	0.92	2.0	6.0	1.8
YCL90S-2	1.1	220	7.02	2810	75	0.95	2.0	6.0	1.8
YCL90L-2	1.5	220	9.44	2820	76	0.95	2.2	6.0	1.8
YCL100L-2	2.2	220	13.7	2830	77	0.95	2.2	6.0	1.8
YCL112M1-2	3	220	18.2	2830	79	0.95	2.2	6.0	1.8
YCL112M2-2	3.7	220	22.1	2850	80	0.95	2.2	6.0	1.8
YCL80a-4	0.25	220	1.99	1400	62	0.92	2.0	6.0	1.8
YCL80b-4	0.37	220	2.81	1410	65	0.92	2.0	6.0	1.8
YCL80c-4	0.55	220	4.0	1410	68	0.92	2.0	6.0	1.8
YCL90S-4	0.75	220	5.22	1410	71	0.95	2.2	6.0	1.8
YCL90L-4	1.1	220	7.21	1430	73	0.95	2.2	6.0	1.8
YCL100L-4	1.5	220	9.57	1430	75	0.95	2.2	6.0	1.8
YCL112M-4	2.2	220	13.9	1440	76	0.95	2.2	6.0	1.8
YCL132SA-4	3	220	18.6	1440	77	0.95	2.2	6.0	1.8
YCL132SB-4	3.7	220	23.7	1450	78	0.95	2.2	6.0	1.8
YCL132MA-4	5.5	220	31.7	1460	83	0.95	2.2	6.0	1.8
YCL132M2-4	7.5	220	43.2	1460	83	0.95	2.1	6.0	1.8

**110V, 110V/220V, 60Hz is available on request.

Single-phase Asynchronous Motor



No.	Description.	No.	Description.	No.	Description.	MY Terminal box	
1	Shaft Cover	17	Motor Rear Cover	33	Washer	No.	Description.
2	Rotary Seal	18	Washer	34	Bolt	47	Gasket
3	Screw	19	Bolt	35	Capacitor	48	Terminal box base
4	Washer	20	Rotary Seal	36	Gasket	49	Cable gland-nut
5	Motor Fore Cover	21	Washer	37	Cable Snap	50	Washer
6	Adjusting Washer	22	Screw	38	Bolt	51	Bolt
7	Ball Bearing	23	Fan Tighten Sleeve	39	Terminal Box Cover	52	Terminal block
8	Key	24	Fan	40	Bolt	53	Bolt
9	Rotor	25	Fan Cover	41	Cable Gland-nut	54	cable snap
10	Nut	26	Nut	42	Centrifugal Switch(for MC ML)	55	Bolt
11	Stator With Frame	27	Washer	43	Washer	56	Capacitor
12	(B3) Feet For IM B3	28	Bolt	44	Bolt	57	Gasket
13	Spring Gasket	29	Gasket	45	Bolt	58	Terminal box cover
14	Screw	30	Terminal Block	46	nameplate	59	Bolt
15	Nut	31	Bolt				
16	Ball Bearing	32	Terminal Box Base				



ML

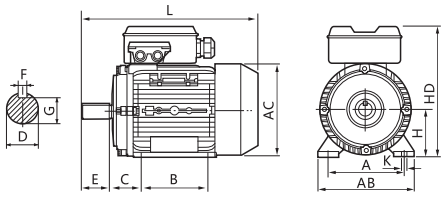
Series Single-phase Asynchronous Aluminium Housing Motor With Dual Capacitors

ML series motors concentrate the advantages of high starting torque and great overload performance. They are suitable for powering the equipment such as water pumps, air compressors, fan, medical devices and other small machines.

Features

- With starting and running dual capacitors
- Frame Size: H71-H132
- Rated Power Range: 2 pole 0.37kW~3kW
  4 pole 0.25kW~7.5kW
- House Material: Aluminium (plastic terminal box)
- Standard Color: Haineng Green
- Rated Voltage: 220V±5%, 50Hz
  60Hz is available on request
- Protection Class: IP54/IP55
- Insulation Class: Class B/F
- Cooling Method: IC 411
- Duty: S1
- Ambient Temperature: -15℃≤θ≤40℃
- Altitude: 1000 meters

IMB3



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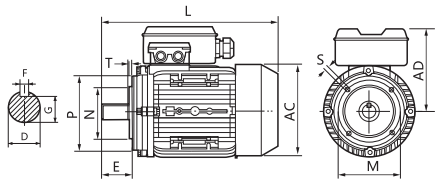

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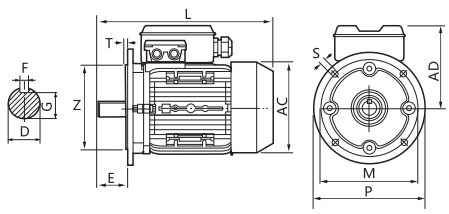


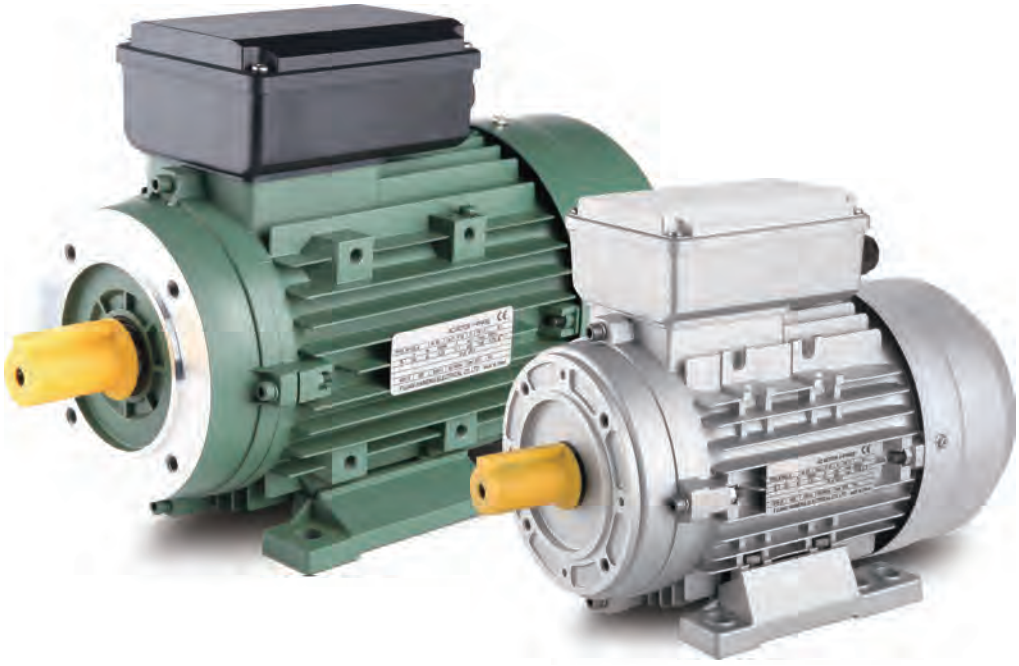
Outline & Installation Dimensions

Frame Size	Installation Size (mm)									Installation Size (mm) IMB14						Installation Size (mm) IMB5						Overall Dimension (mm)				
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	M	N	P	R	S	T	AB	AC	AD	HD	L
71	112	90	45	14	30	5	11	71	7	85	70	105	0	M6	2.5	130	110	160	0	10	3.5	145	145	125	210	255
80	125	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	3.0	165	130	200	0	12	3.5	160	165	135	240	295
90S	140	100/125	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	180	185	145	270	335
90L	140	125	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	180	185	145	270	360
100L	160	140	63	28	60	8	24	100	12	130	110	160	0	M8	3.5	215	180	250	0	15	4.0	205	215	170	280	380
112M	190	140	70	28	60	8	24	112	12	130	110	160	0	M8	3.5	215	180	250	0	15	4.0	245	240	180	310	400
132S	216	140	89	38	80	10	33	132	12	165	130	200	0	M10	4	265	230	300	0	15	4.0	280	275	195	325	475
132M	216	178	89	38	80	10	33	132	12	165	130	200	0	M10	4	265	230	300	0	15	4.0	280	275	195	325	515

Technical Data

Model	Output (kW)	Voltage (V)	Current (A)	Speed (r.p.m)	Eff (%)	Power Factor	(Tstart)/(Tn) (Time)	(Tmax)/(Tn) (Time)	Starting Current (A)
ML7112	0.37	220	2.73	2800	67	0.92	2.3	1.8	16
ML7122	0.55	220	3.88	2800	70	0.92	2.5	1.8	21
ML8012	0.75	220	5.15	2800	72	0.92	2.5	1.8	30
ML8022	1.10	220	7.02	2800	75	0.95	2.5	1.8	40
ML90S-2	1.50	220	9.44	2800	76	0.95	2.5	1.8	55
ML90L-2	2.20	220	13.67	2800	77	0.95	2.5	1.8	80
ML100L-2	3.00	220	18.2	2800	79	0.95	2.5	1.8	110
ML7114	0.25	220	1.99	1400	62	0.92	2.5	1.8	12
ML7124	0.37	220	2.81	1400	65	0.92	2.5	1.8	16
ML8014	0.55	220	4.0	1400	68	0.92	2.5	1.8	21
ML8024	0.75	220	5.22	1400	71	0.92	2.5	1.8	30
ML90S-4	1.10	220	7.2	1400	73	0.95	2.5	1.8	40
ML90L-4	1.50	220	9.57	1400	75	0.95	2.5	1.8	55
ML100L1-4	2.20	220	13.9	1400	76	0.95	2.5	1.8	80
ML100L2-4	3.00	220	18.6	1400	77	0.95	2.5	1.8	110
ML112M1-4	2.20	220	13.5	1450	78	0.95	2.2	1.8	81
ML112M2-4	3.00	220	18.2	1450	79	0.95	2.2	1.8	90.5
ML132S1-4	3.00	220	17.7	1460	81	0.95	2.1	1.8	94
ML132S2-4	3.70	220	21.9	1460	81	0.95	2.1	1.8	120
ML132M1-4	5.50	220	31.7	1460	83	0.95	2.1	1.8	175
ML132M2-4	7.50	220	43.2	1460	83	0.95	2.1	1.8	238

**110V/220V,60Hz models are available on request.



MC

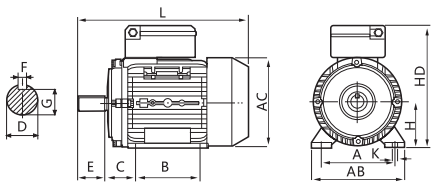
Series Single-phase Asynchronous Aluminium Housing Motor With Starting Capacitor

Mc series motors - High starting torque, perfect starting performance make it suitable for the occasion where big starting torque and small starting current are requested , such as air-compressors, pumps, refrigerators, medical apparatus, and many other machines request full-load start.

Features

- With starting capacitors
- Frame Size: H71-H132
- Rated Power Range: 2 pole 0.18kW-3kW
  4 pole 0.12kW-5.5kW
- House Material: Aluminium (plastic terminal box)
- Standard Color: Haineng Green
- Rated Voltage: 220V±5%, 50Hz
  60Hz is available on request
- Protection Class: IP54/IP55
- Insulation Class: Class B/F
- Cooling Method: IC 411
- Duty: S1
- Ambient Temperature: -15℃≤θ≤40℃
- Altitude: 1000 meters

IMB3



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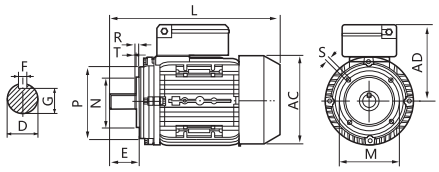

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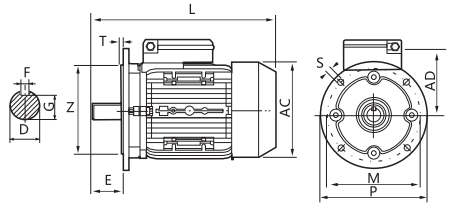


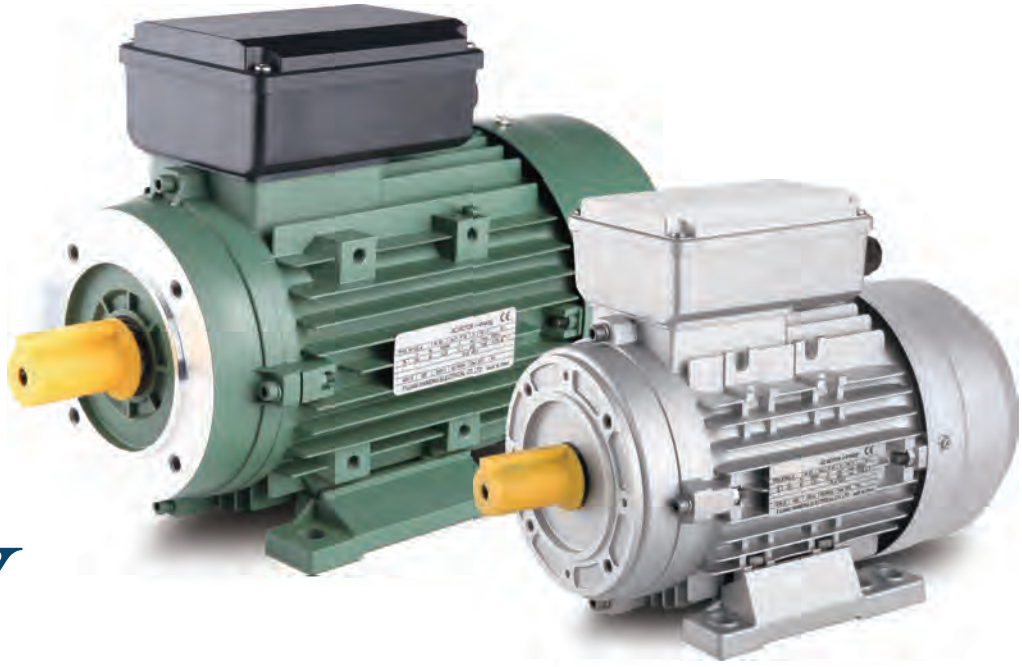
Outline & Installation Dimensions

Frame Size	Installation Size (mm)									Installation Size (mm) IMB14						Installation Size (mm) IMB5						Outline Dimension (mm)				
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	M	N	P	R	S	T	AB	AC	AD	HD	L
71	112	90	45	14	30	5	11	71	7	85	70	105	0	M6	2.5	130	110	160	0	10	3.5	145	145	125	205	255
80	125	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	3.0	165	130	200	0	12	3.5	160	165	135	235	295
90S	140	100/ 125	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	180	185	145	265	335
90L	140	125	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	180	185	145	265	360
100L	160	140	63	28	60	8	24	100	12	130	110	160	0	M8	3.5	215	180	250	0	15	4.0	205	215	170	280	380
112M	190	140	70	28	60	8	24	112	12	130	110	160	0	M8	3.5	215	180	250	0	15	4.0	245	240	180	310	400
132S	216	140	89	38	80	10	33	132	12	165	130	200	0	M10	4	265	230	300	0	15	4.0	280	275	195	325	475
132M	216	178	89	38	80	10	33	132	12	165	130	200	0	M10	4	265	230	300	0	15	4.0	280	275	195	325	515

Technical Data

Model	Output (kW)	Voltage (V)	Current (A)	Speed (r.p.m)	Eff (%)	Power factor	(Tstart)/(Tn) (Time)	(Tmax)/(Tn) (Time)	Starting Current (A)
MC7112	0.18	220	1.89	2800	60	0.72	3.0	1.8	12
MC7122	0.25	220	2.40	2800	64	0.74	3.0	1.8	15
MC8012	0.37	220	3.36	2800	65	0.77	2.8	1.8	21
MC8022	0.55	220	4.65	2810	68	0.79	2.8	1.8	29
MC90S-2	0.75	220	6.09	2820	70	0.80	2.5	1.8	37
MC90L-2	1.1	220	8.68	2820	72	0.80	2.5	1.8	60
MC100L1-2	1.5	220	11.4	2830	74	0.81	2.5	1.8	80
MC100L2-2	2.2	220	16.5	2830	75	0.81	2.5	1.8	120
MC112M-2	3	220	21.9	2840	76	0.82	2.5	1.8	150
MC7114	0.12	220	1.88	1400	50	0.58	3.0	1.8	9
MC7124	0.18	220	2.49	1400	53	0.62	2.8	1.8	12
Mc8014	0.25	220	3.11	1400	58	0.63	2.8	1.8	15
MC8024	0.37	220	4.24	1400	62	0.64	2.5	1.8	21
MC90S-4	0.55	220	5.49	1400	66	0.69	2.5	1.8	29
MC90L-4	0.75	220	6.87	1400	68	0.73	2.5	1.8	37
MC100L1-4	1.1	220	9.52	1400	71	0.74	2.5	1.8	60
MC100L2-4	1.5	220	12.5	1450	73	0.75	2.5	1.8	80
MC112M-4	2.2	220	17.8	1450	74	0.76	2.5	1.8	120
MC132S1-4	3	220	23	1460	76	0.79	2.5	1.8	94
MC132S2-4	3.7	220	27	1460	77	0.79	2.5	1.8	120
MC132M1-4	5.5	220	39	1460	78	0.81	2.5	1.8	175

**110V/220V,60Hz is available on request.



MY

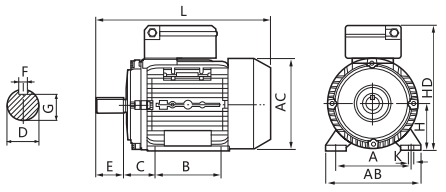
Series Single-phase Asynchronous Aluminium Housing Motor With Running Capacitor

MY series motors are suitable for the occasion requiring low starting torque and long-term continuous working, such as home electric appliances, pumps, fans and recording meters, etc.

Features

- With running dual capacitors
- Frame Size: H63-H100
- Rated Power Range: 2 pole 0.18kW-2.2kW
  4 pole 0.12kW-2.2kW
- House Material: Aluminium (plastic terminal box)
- Standard Color: Haineng Green
- Rated Voltage: 220V±5%, 50Hz
  60Hz is available on request
- Protection Class: IP54/IP55
- Insulation Class: Class B/F
- Cooling Method: IC 411
- Duty: S1
- Ambient Temperature: -15℃≤θ≤40℃
- Altitude: 1000 meters

IMB3



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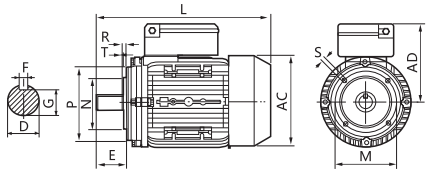

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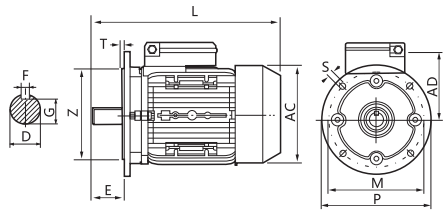


Outline & Installation Dimensions

Frame Size	Installation Size (mm)									Installation Size (mm) IMB14						Installation Size (mm) IMB5						Outline Dimension (mm)				
	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	M	N	P	R	S	T	AB	AC	AD	HD	L
63	100	80	40	11	23	4	8.5	63	7	75	60	90	0	M5	2.5	115	95	140	0	10	3.0	130	130	115	185	230
71	112	90	45	14	30	5	11	71	7	85	70	105	0	M6	2.5	130	110	160	0	10	3.5	145	145	125	205	255
80	125	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	3.0	165	130	200	0	12	3.5	160	165	135	235	295
90S	140	100	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	180	185	145	265	316
90M	140	100/125	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	180	185	145	265	341
90L	140	125	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	165	130	200	0	12	3.5	180	185	145	265	370
100L	160	140	63	28	60	8	24	100	12	130	110	160	0	M8	3.5	215	180	250	0	15	4.0	205	215	170	280	380

Technical Data

Model	Output kW	Voltage (V)	Current (A)	Speed (r.p.m)	Eff (%)	Power factor	(Tstart)/(Tn) (Time)	(Tmax)/(Tn) (Time)	Starting Current (A)
MY6312	0.18	220	1.48	2800	60	0.92	0.4	1.7	5
MY6322	0.25	220	1.96	2800	63	0.92	0.4	1.7	7
MY7112	0.37	220	2.73	2800	67	0.92	0.35	1.7	10
MY7122	0.55	220	3.88	2800	70	0.92	0.35	1.7	15
MY8012	0.75	220	5.15	2800	72	0.92	0.33	1.7	20
MY8022	1.1	220	7.02	2800	75	0.95	0.33	1.7	30
MY90S-2	1.5	220	9.44	2800	76	0.95	0.3	1.7	45
MY90L-2	2.2	220	13.67	2800	77	0.95	0.3	1.7	65
MY6314	0.12	220	1.1	1400	55	0.90	0.4	1.7	3.5
MY6324	0.18	220	1.62	1400	56	0.90	0.4	1.7	5
MY7114	0.25	220	2.02	1400	61	0.92	0.35	1.7	7
MY7124	0.37	220	2.95	1400	62	0.92	0.35	1.7	10
MY8014	0.55	220	4.25	1400	64	0.92	0.35	1.7	15
MY8024	0.75	220	5.45	1400	68	0.92	0.32	1.7	20
MY90S-4	1.1	220	7.41	1400	71	0.95	0.32	1.7	30
MY90L-4	1.5	220	9.83	1400	73	0.95	0.3	1.7	45
MY100L-4	2.2	220	13.8	1430	76	0.95	0.3	1.7	64

**110V/220V,60Hz is available on request.

АИР СЕРИЯ

АСИНХРОННЫЕ ТРЕХФАЗНЫЕ ДВИГАТЕЛИ

ТЕХНИЧЕСКИЙ КАТАЛОГ

Продукция под маркой《FUJIAN HAIENEG ELECTRICAL CO.LTD.》изготавливается на предприятиях,обладающих современными знаниями и технологиями и способными поддерживать стабильно высокий уровень качества всех компонентов изделий.

Технологические процессы на предприятиях, производящих п р о д у к ц и ю 《FUJIAN HAIENEG ELECTRICAL CO.LTD.》,подвергаются технической экспертизе нашими специалистами и полностью соответствуют стандартам Российской Федерации.

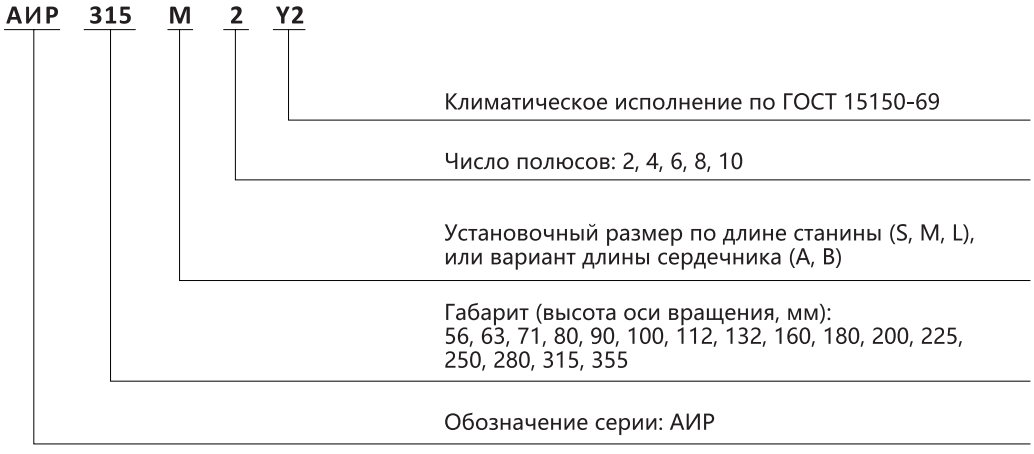
ОБЩИЕ СВЕДЕНИЯ ОБ ЭЛЕКТРОДВИГАТЕЛЯХ

Асинхронные двигатели общепромышленного назначения《FUJIAN HAIENEG ELECTRICAL CO.LTD.》изготавливаются в основном (базовом) исполнении и в модифицированных исполнениях.

Основное（базовое）исполнение

Двигатель монтажного исполнения IM1001 (1081), степень защиты IP55 в закрытом обдуваемом исполнении, класс изоляции F, климатическое исполнение У2, для режима работы S1, с типовыми техническими характеристиками, соответствующими требованиям стандартов.

ОБОЗНАЧЕНИЕ ДВИГАТЕЛЕЙ



ДОПОЛНИТЕЛЬНЫЕ ОБОЗНАЧЕНИЯ ХАРАКТЕРИСТИК ДВИГАТЕЛЯ

1. Монтажное исполнение - IM.... (стр. 2) по ГОСТ 2479-79
2. Напряжение питающей сети - 220/380 (габариты 56 - 112) и 380/660 (габариты 132 - 355) по ГОСТ 12139-84
3. Степень защиты IP.. по ГОСТ 17494-87
4. Другие отличия от основного (базового) исполнения

В обозначении двигателя может применяться использование нескольких отличительных признаков модификации и назначения.

Увязка мощностей двигателей с установочными размерами выполнена в соответствии с ГОСТ Р 51689-2000.

КОНСТРУКТИВНЫЕ ИСПОЛНЕНИЯ ПО СПОСОБУ МОНТАЖА

РАСШИФРОВКА МОНТАЖНЫХ ИСПОЛНЕНИЙ

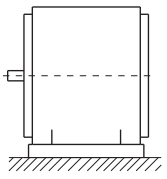
IM X X X X

Исполнение вала двигателя:
1 - с одним цилиндрическим концом вала
2 - с двумя цилиндрическими концами вала

Способ монтажа двигателя

Конструктивное исполнение двигателя:
1 - двигатель на лапах с подшипниковыми щитами
2 - двигатель на лапах с подшипниковыми щитами и фланцем на одном подшипниковом щите
3 - двигатель без лап с подшипниковыми щитами и фланцем на одном подшипниковом щите

Монтажные исполнения IM21... и IM36... - двигатели с ланцем, недоступным с обратной стороны
Условные обозначения монтажных исполнений приведены в соответствии с ГОСТ 2479-79 (МЭК 60034-7 изд. 2.1)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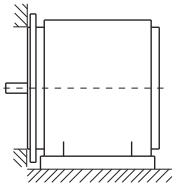
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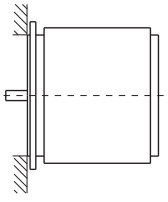
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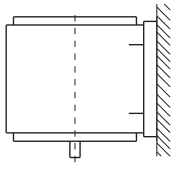
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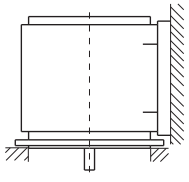
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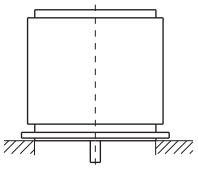
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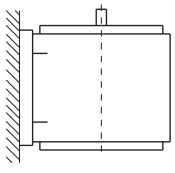
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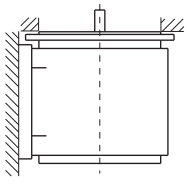
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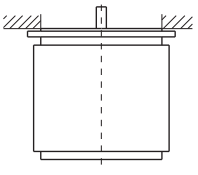
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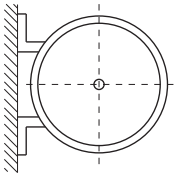
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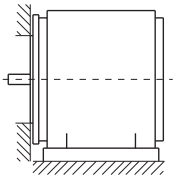
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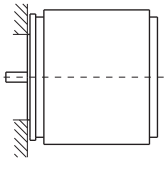
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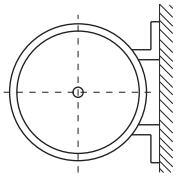
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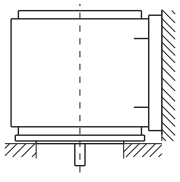
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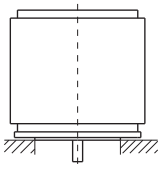
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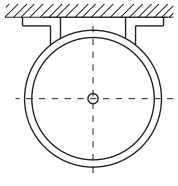
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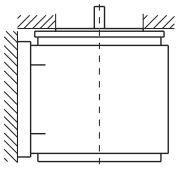
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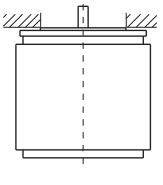
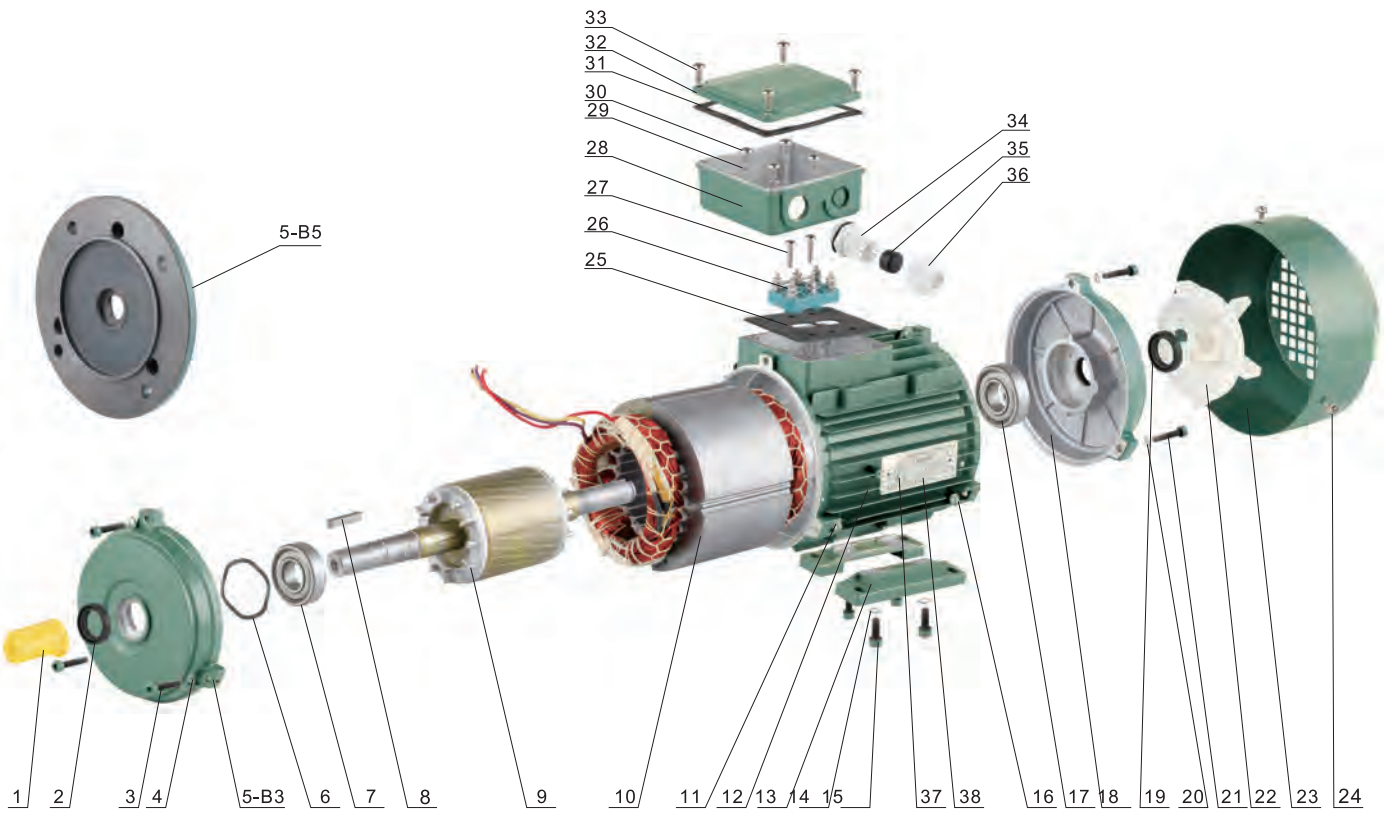

IM**3631** (IMV**19**)

АСИНХРОННЫЕ ТРЕХФАЗНЫЕ ДВИГАТЕЛИ



No.	Наименование (Description)	No.	Наименование (Description)	No.	Наименование (Description)
1	Выступающий вал (Shaft Cover)	14	Пружинная прокладка (Spring Gasket)	27	Болт (Bolt)
2	Каркасный сальник (Rotary Seal)	15	Болт (Bolt)	28	Основная распределительная коробка (Terminal Box Base)
3	Болт (Bolt)	16	Гайка (Nut)	29	Шайба (Washer)
4	Шайба (Washer)	17	Шариковый подшипник (Ball Bearing)	30	Болт (Bolt)
5	Лицевая часть (Motor Fore Cover)	18	Задняя крышка (Motor Rear Cover)	31	Прокладка (Gasket)
6	Гофрированная прокладка (Adjusting Washer)	19	Каркасный сальник (Rotary Seal)	32	Крышка клеемного блока (Terminal Box Cover)
7	Шариковый подшипник (Ball Bearing)	20	Шайба (Washer)	33	Болт (Bolt)
8	Плоская шпонка (Key)	21	Болт (Bolt)	34	Штуцер (Cable Gland-base)
9	Ротор (Rotor)	22	Вентилятор (Fan)	35	Резиновая пробка (Cable Gland-seal)
10	Стартер (Stator)	23	Крышка вентилятора (Fan Cover)	36	Резьбовая гайка (Cable Gland-nut)
11	Гайка (Nut)	24	Гайка (Nut)	37	Болт (Bolt)
12	Блок (Stator With Frame)	25	Прокладка (Gasket)	38	Щиток (Nameplate)
13	Основание (B3) (Feet for IM B3)	26	Клеемный блок (Terminal Block)		

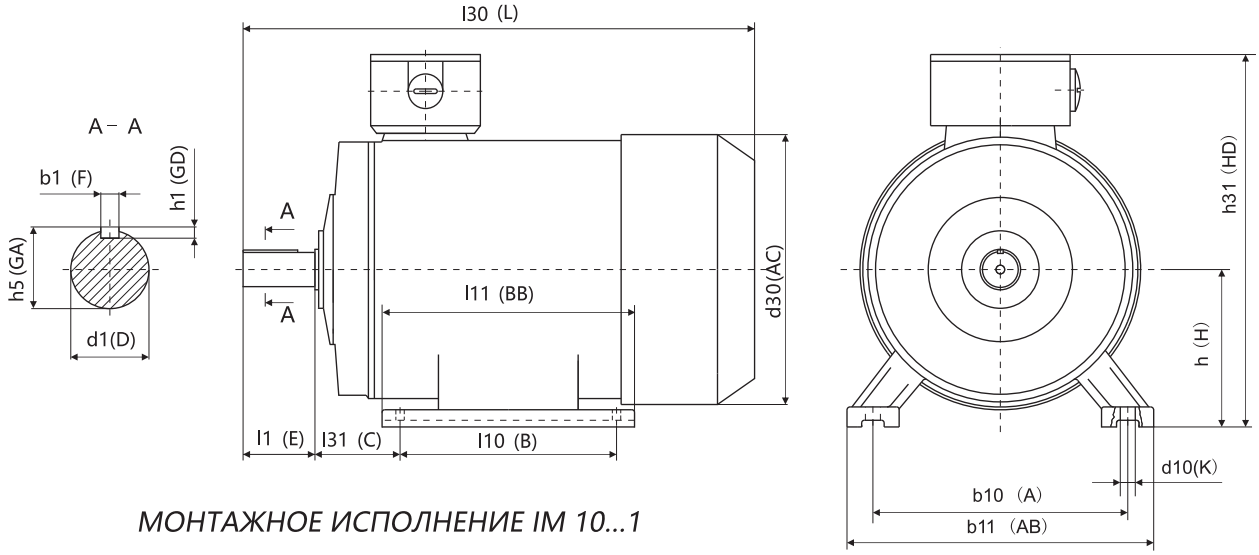
ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

ТИП ЭД	Рн, кВт	n, об./мин.	КПД, %	cos φ	Iн, A (U=380В)	КРАТНОСТИ			Масса, кг
						Iп / Iн	Mm / Mн	Mп / Mн	
MODEL	Rated Power kW	Rated Speed Rpm	Efficiency %	Power factor	In, A (U=380В)	Is / In	Tmax / Tn	Ts / Tn	Weight, kg
2p=2, n=3000 об./МИН.									
АИР56А2	0.18	2700	65.7	0.77	0.55	5.3	2.2	2.2	5.70
АИР56В2	0.25	2720	68.0	0.78	0.73	5.3	2.2	2.2	6.20
АИР63А2	0.37	2730	69.7	0.81	1.00	5.7	2.2	2.2	9.00
АИР63В2	0.55	2770	72.7	0.82	1.40	5.7	2.3	2.2	9.50
АИР71А2	0.75	2820	74.0	0.83	1.90	6.1	2.3	2.2	10.8
АИР71В2	1.1	2790	77.6	0.83	2.70	6.7	2.3	2.2	12.4
АИР80МА2	1.5	2830	78.1	0.84	3.60	7.0	2.3	2.2	15.5
АИР80МВ2	2.2	2840	80.6	0.85	5.00	7.0	2.3	2.2	19.5
АИР90L2	3.0	2845	83.4	0.86	6.50	7.2	2.3	2.2	21.0
АИР100S2	4.0	2870	83.7	0.88	8.40	7.5	2.3	2.2	30.0
АИР100L2	5.5	2870	84.8	0.89	11.0	7.5	2.3	2.2	34.0
АИР112М2	7.5	2880	85.4	0.88	15.2	7.2	2.4	2.2	53.0
АИР132М2	11.0	2900	87.4	0.90	21.8	7.2	2.3	2.2	90.0
АИР160S2	15.0	2925	88.4	0.88	30.0	7.1	2.4	2.2	120
АИР160М2	18.5	2925	89.3	0.89	36.3	7.1	2.4	2.2	140
АИР180S2	22	2940	89.8	0.90	42.7	7.2	2.5	2.0	170
АИР180М2	30	2940	90.7	0.90	56.9	7.3	2.5	2.1	203
АИР200М2	37	2940	91.2	0.89	71.0	7.1	2.4	2.1	247
АИР200L2	45	2945	91.8	0.89	84.9	7.1	2.4	2.1	255
АИР225М2	55	2960	92.0	0.90	103	7.1	2.4	2.1	325
АИР250S2	75	2970	92.6	0.90	139	6.9	2.6	2.0	450
АИР250М2	90	2970	92.5	0.90	167	6.4	2.5	2.0	530
АИР280S2	110	2970	93.4	0.91	201	6.7	2.3	1.9	650
АИР280М2	132	2975	93.5	0.91	240	6.4	2.4	1.9	700
АИР315S2	160	2975	94.4	0.91	289	6.7	2.3	1.9	1170
АИР315М2	200	2975	94.7	0.92	358	6.6	2.3	1.9	1460
АИР355S2	250	2980	95.4	0.92	433	6.9	2.2	1.7	1900
АИР355М2	315	2980	95.6	0.92	548	6.9	2.2	1.7	2300
2p=4, n=1500 об./МИН.									
АИР56А4	0.12	1325	56.5	0.66	0.50	4.6	2.2	2.1	5.70
АИР56В4	0.18	1325	61.2	0.68	0.70	4.9	2.2	2.1	6.00
АИР63А4	0.25	1325	64.5	0.73	0.82	5.1	2.2	2.1	9.00
АИР63В4	0.37	1325	66.3	0.76	1.12	5.1	2.2	2.1	9.50
АИР71А4	0.55	1350	70.0	0.73	1.75	5.4	2.3	2.2	11.0
АИР71В4	0.75	1360	71.3	0.77	2.20	5.7	2.3	2.2	12.0
АИР80МА4	1.1	1375	74.5	0.76	3.04	5.8	2.3	2.3	16.0
АИР80МВ4	1.5	1390	77.5	0.78	3.95	6.2	2.3	2.3	19.5
АИР90L4	2.2	1400	80.0	0.81	5.30	6.8	2.3	2.3	25.0
АИР100S4	3.0	1420	81.4	0.82	7.20	7.0	2.3	2.3	34.0
АИР100L4	4.0	1420	82.8	0.81	9.30	7.0	2.3	2.3	37.0
АИР112М4	5.5	1430	84.1	0.82	12.3	6.6	2.3	2.3	55.0
АИР132S4	7.5	1440	86.0	0.84	16.1	6.7	2.3	2.2	80.0
АИР132М4	11.0	1450	87.1	0.84	23.1	6.8	2.3	2.2	91.0
АИР160S4	15.0	1455	88.7	0.85	30.8	6.8	2.3	2.2	138
АИР160М4	18.5	1455	89.8	0.86	37.8	6.8	2.3	2.2	142
АИР180S4	22	1465	90.6	0.86	44.4	7.0	2.4	2.1	177
АИР180М4	30	1465	91.2	0.86	59.6	6.8	2.3	2.1	190
АИР200М4	37	1470	92.0	0.87	73.1	7.0	2.3	2.2	247
АИР200L4	45	1465	92.3	0.87	88.4	6.9	2.4	2.2	260
АИР225М4	55	1480	92.4	0.87	106	6.7	2.3	2.2	326
АИР250S4	75	1475	92.9	0.86	146	6.9	2.3	2.2	477
АИР250М4	90	1475	93.3	0.87	170	6.4	2.4	2.2	485
АИР280S4	110	1480	93.8	0.88	207	6.6	2.2	2.1	731
АИР280М4	132	1480	93.8	0.88	244	6.7	2.3	2.3	710
АИР315S4	160	1480	94.8	0.89	297	6.5	2.4	2.3	1053
АИР315М4	200	1480	95.0	0.89	369	6.4	2.4	2.2	1243
АИР355S4	250	1490	95.4	0.90	443	6.7	2.4	2.1	1745
АИР355М4	315	1490	95.6	0.90	558	6.7	2.4	2.1	1957

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

ТИП ЭД	Рн, кВт	n, об./мин.	КПД, %	cos φ	Iн, А (U=380В)	КРАТНОСТИ			Масса, кг
						Iп / Iн	Mm / Mн	Mп / Mн	
MODEL	Rated Power kW	Rated Speed Rpm	Efficiency %	Power factor	In, A (U=380В)	Is / In	Tmax / Tn	Ts / Tn	Weight, kg
2p=6, n=1000 об./МИН.									
АИР63А6	0.18	860	55.5	0.64	0.80	4.1	2.0	1.9	9.50
АИР63В6	0.25	860	58.3	0.65	1.10	4.0	2.0	1.9	10.0
АИР71А6	0.37	895	62.8	0.68	1.33	4.7	2.0	1.9	12.4
АИР71В6	0.55	895	65.7	0.70	1.90	4.7	2.0	1.9	12.2
АИР80МА6	0.75	910	69.0	0.72	2.29	5.3	2.1	2.0	16.0
АИР80МВ6	1.1	910	72.1	0.74	3.18	5.3	2.1	2.0	20.0
АИР90L6	1.5	920	76.0	0.74	4.20	6.0	2.1	2.0	25.0
АИР100L6	2.2	930	77.1	0.76	5.90	6.3	2.1	2.0	38.0
АИР112МА6	3.0	935	80.1	0.76	7.90	5.7	2.2	2.1	51.0
АИР112МВ6	4.0	935	80.7	0.77	10.3	5.7	2.1	2.1	52.0
АИР132S6	5.5	955	82.8	0.78	13.4	6.3	2.1	2.1	71.0
АИР132М6	7.5	960	84.1	0.80	17.2	6.2	2.2	2.1	145
АИР160S6	11.0	965	86.8	0.79	24.6	6.3	2.2	2.0	141
АИР160М6	15.0	965	88.2	0.81	33.0	6.5	2.2	2.0	155
АИР180М6	18.5	970	88.9	0.82	39.0	6.6	2.1	2.1	200
АИР200М6	22	975	89.7	0.83	45.2	6.3	2.2	2.1	233
АИР200L6	30	975	89.8	0.84	61.8	6.5	2.2	2.1	250
АИР225М6	37	980	91.3	0.85	73.5	6.6	2.1	2.1	360
АИР250S6	45	985	92.0	0.85	90.1	6.7	2.2	2.1	465
АИР250М6	55	985	92.4	0.84	110	6.8	2.3	2.2	520
АИР280S6	75	985	93.0	0.85	150	6.6	2.1	2.0	800
АИР280М6	90	985	92.9	0.85	177	6.6	2.2	2.2	800
АИР315S6	110	985	94.2	0.86	207	6.3	2.2	2.0	1045
АИР315М6	132	985	94.4	0.87	244	6.1	2.2	2.0	1103
АИР355S6	160	990	94.7	0.87	292	6.6	2.2	1.9	1748
АИР355М6	200	990	94.7	0.87	365	6.7	2.2	1.9	1934
АИР355МВ6	250	990	95.1	0.88	456	6.6	2.3	1.9	2050
2p=8, n=750 об./МИН.									
АИР71В8	0.25	655	54.5	0.60	1.17	3.7	1.9	1.8	10.4
АИР80МА8	0.37	675	60.1	0.62	1.50	4.3	1.9	1.8	18.0
АИР80МВ8	0.55	675	62.9	0.62	2.18	4.0	2.0	1.8	18.9
АИР90LA8	0.75	685	72.4	0.70	2.33	4.0	2.0	1.9	30.0
АИР90LB8	1.1	685	73.0	0.69	3.27	4.0	2.0	1.8	32.0
АИР100L8	1.5	690	73.5	0.72	4.50	4.7	2.0	1.9	49.3
АИР112МА8	2.2	700	75.6	0.71	6.40	4.9	2.1	2.0	46.0
АИР112МВ8	3.0	700	76.9	0.71	8.60	5.0	2.1	2.0	53.0
АИР132S8	4.0	715	81.9	0.78	10.8	5.6	2.1	2.1	92.0
АИР132М8	5.5	715	80.9	0.74	14.7	5.6	2.1	2.1	86.0
АИР160S8	7.5	720	85.2	0.74	19.2	5.8	2.1	2.0	148
АИР160М8	11.0	720	86.4	0.76	27.3	5.8	2.1	2.0	155
АИР180М8	15.0	725	87.6	0.78	34.5	6.2	2.0	2.0	210
АИР200М8	18.5	730	89.0	0.78	41.6	6.2	2.1	1.9	250
АИР200L8	22	730	89.6	0.78	49.4	6.2	2.1	2.0	260
АИР225М8	30	735	90.6	0.78	65.3	6.5	2.1	2.0	360
АИР250S8	37	735	90.5	0.77	82.1	6.2	2.3	2.1	465
АИР250М8	45	735	91.5	0.77	99.1	6.2	2.3	2.1	520
АИР280S8	55	735	92.0	0.80	121	6.0	2.0	1.9	725
АИР280М8	75	740	92.0	0.81	154	5.8	2.1	1.9	800
АИР315S8	90	740	93.8	0.82	178	6.2	2.3	2.0	1160
АИР315М8	110	740	94.0	0.82	217	6.1	2.2	2.0	1175
АИР355S8	132	740	93.9	0.82	261	6.3	2.2	1.7	2000
АИР355М8	160	740	94.3	0.82	315	6.3	2.2	1.7	2150
АИР355МВ8	200	740	94.6	0.83	388	6.4	2.3	1.8	2250
2p=10, n=600 об./МИН.									
АИР315S10	55	590	92.0	0.75	121	6.2	2.0	1.5	1150
АИР315М10	75	590	92.5	0.76	162	6.2	2.0	1.5	1220
АИР355S10	90	590	93.0	0.77	188	6.2	2.0	1.3	1530
АИР355МА10	110	590	93.2	0.78	230	6.0	2.0	1.3	1640
АИР355МВ10	132	590	93.5	0.78	275	6.0	2.0	1.3	1690
АИР355М10	160	590	93.5	0.78	334	6.0	2.0	1.3	1690

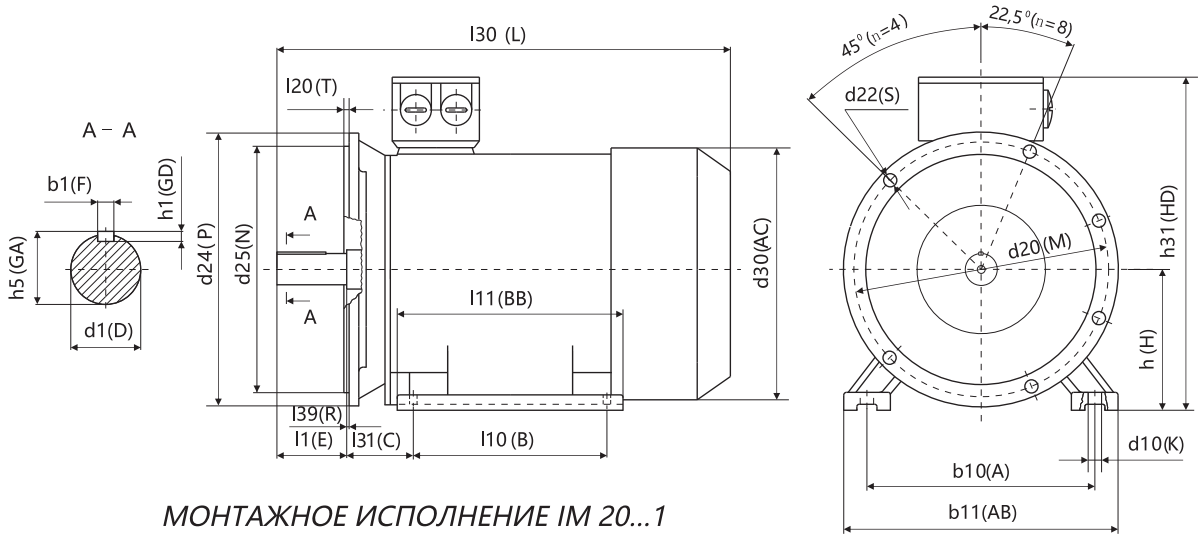
ГАБАРИТНЫЕ, УСТАНОВОЧНЫЕ И ПРИСОЕДИНИТЕЛЬНЫЕ РАЗМЕРЫ



МОНТАЖНОЕ ИСПОЛНЕНИЕ IM 10...1

ТИП Model	ПОЛЮСОВ Pole	ГАБАРИТНЫЕ РАЗМЕРЫ Overall dimensions			УСТАНОВОЧНЫЕ И ПРИСОЕДИНИТЕЛЬНЫЕ РАЗМЕРЫ Installation and connection dimensions											
		130	h31	d30	b10	b11	l10	l11	l31	d1	l1	b1	h5	h1	h	d10
		L	HD	AC	A	AB	B	BB	C	D	E	F	GA	GD	H	K
АИР56А	2, 4	216	165	120	90	113	71	90	36	11	23	4	12,5	4	56	5.8
АИР56В		216	165	120	90	113	71	90	36	11	23	4	12,5	4	56	5.8
АИР63А	2, 4, 6	250	180	140	100	124	80	102	40	14	30	5	16	5	63	5.8
АИР63В		250	180	140	100	124	80	102	40	14	30	5	16	5	63	5.8
АИР71А	2, 4, 6	295	205	155	112	155	90	120	45	19	40	6	21,5	6	71	7
АИР71В	2, 4, 6, 8	295	205	155	112	155	90	120	45	19	40	6	21,5	6	71	7
АИР80МА	2, 4, 6, 8	320	230	176	125	160	100	131	50	22	50	6	24,5	6	80	10
АИР80МВ		350	230	176	125	160	100	155	50	22	50	6	24,5	6	80	10
АИР90LА	2, 4, 6, 8	380	245	185	140	176	100	170	56	24	50	8	27	7	90	10
АИР90LВ	8	380	245	185	140	176	125	170	56	24	50	8	27	7	90	10
АИР100S	2, 4	415	275	215	160	205	112	180	63	28	60	8	31	7	100	12
АИР100L	2, 4, 6, 8	420	275	215	160	205	140	185	63	28	60	8	31	7	100	12
АИР112МА	2, 4, 6, 8	455	300	240	190	240	140	223	70	32	80	10	35	8	112	12
АИР112МВ	6, 8	490	302	240	190	240	140	223	70	32	80	10	35	8	112	12
АИР132S	4, 6, 8	615	355	283	216	275	140	237	89	38	80	10	41	8	132	12
АИР132М	2, 4, 6, 8	615	355	283	216	275	178	238	89	38	80	10	41	8	132	12
АИР160S	2	670	435	330	254	320	178	314	108	42	110	12	45	8	160	15
	4, 6, 8	670	435	330	254	320	178	314	108	48	110	14	51,5	9	160	15
АИР160М	2	673	435	330	254	320	210	314	108	42	110	12	45	8	160	15
	4, 6, 8	673	435	330	254	320	210	314	108	48	110	14	51,5	9	160	15
АИР180S	2	700	455	380	279	355	203	343	121	48	110	14	51,5	9	180	15
	4	738	455	380	279	355	203	343	121	55	110	16	59	10	180	15
АИР180М	2	769	455	380	279	355	241	355	121	48	110	14	51,5	9	180	15
	4, 6, 8	769	455	380	279	355	241	355	121	55	110	16	59	10	180	15
АИР200М	2	852	505	420	318	395	267	379	133	55	110	16	59	10	200	19
	4, 6, 8	880	505	420	318	395	267	379	133	60	140	18	64	11	200	19
АИР200L	2	887	505	420	318	395	305	379	133	55	110	16	59	10	200	19
	4, 6, 8	887	505	420	318	395	305	379	133	60	140	18	64	11	200	19
АИР225М	2	885	560	470	356	435	311	395	149	55	110	16	59	10	225	19
	4, 6, 8	885	560	470	356	435	311	395	149	65	140	18	69	11	225	19
АИР250S	2	981	635	510	406	490	311	446	168	65	140	18	69	11	250	24
	4, 6, 8	981	635	510	406	490	311	446	168	75	140	20	79,5	12	250	24
АИР250М	2	1031	615	510	406	490	349	459	168	65	140	18	69	11	250	24
	4, 6, 8	1031	615	510	406	490	349	459	168	75	140	20	79,5	12	250	24
АИР280S	2	1146	698	580	457	550	368	540	190	70	140	20	74,5	12	280	24
	4, 6, 8	1146	698	580	457	550	368	540	190	80	170	22	85	14	280	24
АИР280М	2	1197	680	580	457	550	419	540	190	70	140	20	74,5	12	280	24
	4, 6, 8	1197	680	580	457	550	419	540	190	80	170	22	85	14	280	24
АИР315S	2	1318	870	650	508	640	406	680	216	75	140	20	79,5	12	315	28
	4, 6, 8, 10	1318	870	650	508	640	406	680	216	90	170	25	95	14	315	28
АИР315М	2	1325	870	650	508	640	457	680	216	75	140	20	79,5	12	315	28
	4, 6, 8, 10	1325	870	650	508	640	457	680	216	90	170	25	95	14	315	28
АИР355S	2	1565	1010	735	610	735	500	775	254	85	170	22	90	14	355	28
	4, 6, 8, 10	1570	1010	735	610	735	500	775	254	100	210	28	106	16	355	28
АИР355М	2	1556	1010	735	610	735	560	775	254	85	170	22	90	14	355	28
	4, 6, 8, 10	1570	1010	735	610	735	560	775	254	100	210	28	106	16	355	28

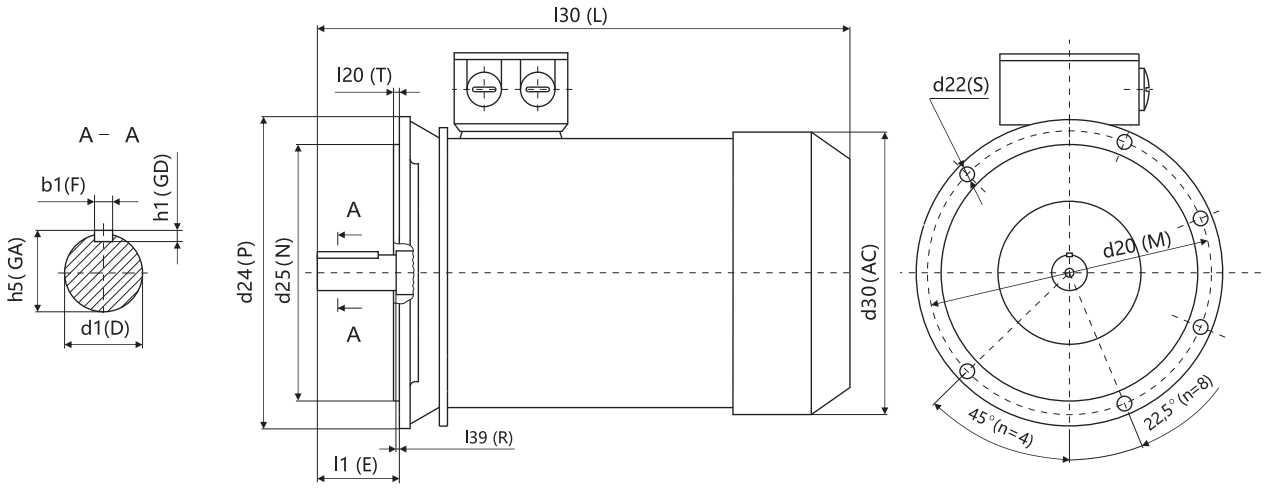
ГАБАРИТНЫЕ, УСТАНОВОЧНЫЕ И ПРИСОЕДИНИТЕЛЬНЫЕ РАЗМЕРЫ



МОНТАЖНОЕ ИСПОЛНЕНИЕ IM 20...1

ТИП Model	ПОЛЮСОВ Pole	ГАБАРИТНЫЕ РАЗМЕРЫ Overall dimensions				УСТАНОВОЧНЫЕ И ПРИСОЕДИНИТЕЛЬНЫЕ РАЗМЕРЫ Installation and connection dimensions																	
		130	h31	d30	d24	b10	b11	l10	l11	l31	d1	l1	b1	h5	h1	h	d10	d20	d25	l39	l20	d22	n
		L	HD	AC	P	A	AB	B	BB	C	D	E	F	GA	GD	H	K	M	N	R	T	S	n
АИР56A	2, 4	216	165	120	140	90	113	71	90	36	11	23	4	12.5	4	56	5.8	115	95	0	3	10	4
АИР56B		216	165	120	140	90	113	71	90	36	11	23	4	12.5	4	56	5.8	155	95	0	3	10	4
АИР63A	2, 4, 6	250	180	140	160	100	124	80	102	40	14	30	5	16	5	63	5.8	130	110	0	3.5	10	4
АИР63B		250	180	140	160	100	124	80	102	40	14	30	5	16	5	63	5.8	130	110	0	3.5	10	4
АИР71A	2, 4, 6	295	205	155	200	112	155	90	120	45	19	40	6	21.5	6	71	7	165	130	0	3.5	12	4
АИР71B	2, 4, 6, 8	295	205	155	200	112	155	90	120	45	19	40	6	21.5	6	71	7	165	130	0	3.5	12	4
АИР80MA	2, 4, 6, 8	320	230	176	200	125	160	100	131	50	22	50	6	24.5	6	80	10	165	130	0	3.5	12	4
АИР80MB		350	230	176	200	125	160	100	155	50	22	50	6	24.5	6	80	10	165	130	0	3.5	12	4
АИР90LA	2, 4, 6, 8	380	245	185	250	140	100	125	170	56	24	50	8	27	7	90	10	215	180	0	4	15	4
АИР90LB	8	380	245	185	250	140	176	125	170	56	24	50	8	27	7	90	10	215	180	0	4	15	4
АИР100S	2, 4	415	275	215	250	160	205	112	180	63	28	60	8	31	7	100	12	215	180	0	4	15	4
АИР100L	2, 4, 6, 8	420	275	215	250	160	205	140	185	63	28	60	8	31	7	100	12	215	180	0	4	15	4
АИР112MA	2, 4, 6, 8	455	300	240	300	190	240	140	223	70	32	80	10	35	8	112	12	265	230	0	4	15	4
АИР112MB	6, 8	490	30 2	240	300	190	240	140	223	70	32	80	10	35	8	112	12	265	230	0	4	15	4
АИР132S	4, 6, 8	615	355	283	350	216	275	140	237	89	38	80	10	41	8	132	12	300	250	0	5	19	4
АИР132M	2, 4, 6, 8	615	355	283	350	216	275	178	238	89	38	80	10	41	8	132	12	300	250	0	5	19	4
АИР160S	2	670	435	330	350	254	320	178	314	108	42	110	12	45	8	160	15	300	250	0	5	19	4
	4, 6, 8	670	435	330	350	254	320	178	314	108	48	110	14	51.5	9	160	15	300	250	0	5	19	4
АИР160M	2	673	435	330	350	254	320	210	314	108	42	110	12	45	8	160	15	300	250	0	5	19	4
	4, 6, 8	673	435	330	350	254	320	210	314	108	48	110	14	51.5	9	160	15	300	250	0	5	19	4
АИР180S	2	700	455	380	400	279	355	203	343	121	48	110	14	51.5	9	180	15	350	300	0	5	19	4
	4	738	455	380	400	279	355	203	343	121	55	110	16	59	10	180	15	350	300	0	5	19	4
АИР180M	2	769	455	380	400	279	355	241	355	121	48	110	14	51.5	9	180	15	350	300	0	5	19	4
	4, 6, 8	769	455	380	400	279	355	241	355	121	55	110	16	59	10	180	15	350	300	0	5	19	4
АИР200M	2	852	505	420	450	318	395	267	379	133	55	110	16	59	10	200	19	400	350	0	5	19	8
	4, 6, 8	880	505	420	450	318	395	267	379	133	60	140	18	64	11	200	19	400	350	0	5	19	8
АИР200L	2	887	505	420	450	318	395	305	379	133	55	110	16	59	10	200	19	400	350	0	5	19	8
	4, 6, 8	887	505	420	450	318	395	305	379	133	60	140	18	64	11	200	19	400	350	0	5	19	8
АИР225M	2	885	560	470	550	356	435	311	395	149	55	110	16	59	10	225	19	500	450	0	5	19	8
	4, 6, 8	885	560	470	550	356	435	311	395	149	65	140	18	69	11	225	19	500	450	0	5	19	8
АИР250S	2	981	635	510	550	406	490	311	446	168	65	140	18	69	11	250	24	500	450	0	5	19	8
	4, 6, 8	981	635	510	550	406	490	311	446	168	75	140	20	79.5	12	250	24	500	450	0	5	19	8
АИР250M	2	1031	615	510	550	406	490	349	495	168	65	140	18	69	11	250	24	500	450	0	5	19	8
	4, 6, 8	1031	615	510	550	406	490	349	495	168	75	140	20	79.5	12	250	24	500	450	0	5	19	8
АИР280S	2	1146	698	580	660	457	550	368	540	190	70	140	20	74.5	12	280	24	600	550	0	6	24	8
	4, 6, 8	1146	698	580	660	457	550	368	540	190	80	170	22	85	14	280	24	600	550	0	6	24	8
АИР280M	2	1197	680	580	660	457	550	419	540	190	70	140	20	74.5	12	280	24	600	550	0	6	24	8
	4, 6, 8	1197	680	580	660	457	550	419	540	190	80	170	22	85	14	280	24	600	550	0	6	24	8
АИР315S	2	1318	870	650	660	508	640	406	680	216	75	140	20	79.5	12	315	28	600	550	0	6	24	8
	4, 6, 8, 10	1318	870	650	660	508	640	406	680	216	90	170	25	95	14	315	28	600	550	0	6	24	8
АИР315M	2	1325	870	650	660	508	640	457	680	216	75	140	20	79.5	12	315	28	600	550	0	6	24	8
	4, 6, 8, 10	1325	870	650	660	508	640	457	680	216	90	170	25	95	14	315	28	600	550	0	6	24	8
АИР355S	2	1565	1010	735	800	610	735	500	775	254	85	170	22	90	14	355	28	740	680	0	6	24	8
	4, 6, 8, 10	1570	1010	735	800	610	735	500	775	254	100	210	28	106	16	355	28	740	680	0	6	24	8
АИР355M	2	1556	1010	735	800	610	735	560	775	254	85	170	22	90	14	355	28	740	680	0	6	24	8
	4, 6, 8, 10	1570	1010	735	800	610	735	560	775	254	100	210	28	106	16	355	28	740	680	0	6	24	8

ГАБАРИТНЫЕ, УСТАНОВОЧНЫЕ И ПРИСОЕДИНИТЕЛЬНЫЕ РАЗМЕРЫ



МОНТАЖНОЕ ИСПОЛНЕНИЕ IM 30...1

ТИП Model	ПОЛЮСОВ Pole	ГАБАРИТНЫЕ РАЗМЕРЫ Overall dimensions			УСТАНОВОЧНЫЕ И ПРИСОЕДИНИТЕЛЬНЫЕ РАЗМЕРЫ Installation and connection dimensions										
		130	d30	d24	d1	l1	b1	h5	h1	d20	d25	l39	l20	d22	n
		L	AC	P	D	E	F	GA	GD	M	N	R	T	S	n
АИР56А	2, 4	216	120	140	11	23	4	12,5	4	115	95	0	3	10	4
АИР56В		216	120	140	11	23	4	12,5	4	115	95	0	3	10	4
АИР63А	2, 4, 6	250	140	160	14	30	5	16	5	130	110	0	3.5	10	4
АИР63В		250	140	160	14	30	5	16	5	130	110	0	3.5	10	4
АИР71А	2, 4, 6	295	155	200	19	40	6	21,5	6	165	130	0	3.5	12	4
АИР71В	2, 4, 6, 8	295	155	200	19	40	6	21,5	6	165	130	0	3.5	12	4
АИР80МА	2, 4, 6, 8	320	176	200	22	50	6	24,5	6	165	130	0	3.5	12	4
АИР80МВ		350	176	200	22	50	6	24,5	6	165	130	0	3.5	12	4
АИР90LA	2, 4, 6, 8	380	185	250	24	50	8	27	7	215	180	0	4	15	4
АИР90LB	8	380	185	250	24	50	8	27	7	215	180	0	4	15	4
АИР100S	2, 4	415	215	250	28	60	8	31	7	215	180	0	4	15	4
АИР100L	2, 4, 6, 8	420	215	250	28	60	8	31	7	215	180	0	4	15	4
АИР112МА	2, 4, 6, 8	455	240	300	32	80	10	35	8	265	230	0	4	15	4
АИР112МВ	6, 8	490	240	300	32	80	10	35	8	265	230	0	4	15	4
АИР132S	4, 6, 8	615	283	350	38	80	10	41	8	300	250	0	5	19	4
АИР132М	2, 4, 6, 8	615	283	350	38	80	10	41	8	300	250	0	5	19	4
АИР160S	2	670	330	350	42	110	12	45	8	300	250	0	5	19	4
	4, 6, 8	670	330	350	48	110	14	51,5	9	300	250	0	5	19	4
АИР160М	2	673	330	350	42	110	12	45	8	300	250	0	5	19	4
	4, 6, 8	673	330	350	48	110	14	51,5	9	300	250	0	5	19	4
АИР180S	2	700	380	400	48	110	14	51,5	9	350	300	0	5	19	4
	4	738	380	400	55	110	16	59	10	350	300	0	5	19	4
АИР180М	2	769	380	400	48	110	14	51,5	9	350	300	0	5	19	4
	4, 6, 8	769	380	400	55	110	16	59	10	350	300	0	5	19	4
АИР200М	2	852	420	450	55	110	16	59	10	400	350	0	5	19	8
	4, 6, 8	880	420	450	60	140	18	64	11	400	350	0	5	19	8
АИР200L	2	887	420	450	55	110	16	59	10	400	350	0	5	19	8
	4, 6, 8	887	420	450	60	140	18	64	11	400	350	0	5	19	8
АИР225М	2	885	470	550	55	110	16	59	10	500	450	0	5	19	8
	4, 6, 8	885	470	550	65	140	18	69	11	500	450	0	5	19	8
АИР250S	2	981	510	550	65	140	18	69	11	500	450	0	5	19	8
	4, 6, 8	981	510	550	75	140	20	79,5	12	500	450	0	5	19	8
АИР250М	2	1031	510	550	65	140	18	69	11	500	450	0	5	19	8
	4, 6, 8	1031	510	550	75	140	20	79,5	12	500	450	0	5	19	8
АИР280S	2	1146	580	660	70	140	20	74,5	12	600	550	0	6	24	8
	4, 6, 8	1146	580	660	80	170	22	85	14	600	550	0	6	24	8
АИР280М	2	1197	580	660	70	140	20	74,5	12	600	550	0	6	24	8
	4, 6, 8	1197	580	660	80	170	22	85	14	600	550	0	6	24	8
АИР315S	2	1318	650	660	75	140	20	79,5	12	600	550	0	6	24	8
	4, 6, 8, 10	1318	650	660	90	170	25	95	14	600	550	0	6	24	8
АИР315М	2	1325	650	660	75	140	20	79,5	12	600	550	0	6	24	8
	4, 6, 8, 10	1325	650	660	90	170	25	95	14	600	550	0	6	24	8
АИР355S	2	1565	735	800	85	170	22	90	14	740	680	0	6	24	8
	4, 6, 8, 10	1570	735	800	100	210	28	106	16	740	680	0	6	24	8
АИР355М	2	1556	735	800	85	170	22	90	14	740	680	0	6	24	8
	4, 6, 8, 10	1570	735	800	100	210	28	106	16	740	680	0	6	24	8

АИРЕ СЕРИЯ

ОДНОФАЗНЫЙ АСИНХРОННЫЙ ЭЛЕКТРОДВИГАТЕЛЬ С РАБОЧИМ КОНДЕНСАТОРОМ, СООТВЕТСТВУЮЩИЙ СТАНДАРТАМ ГОСТ.

Двигатели серии ANP2E подходят для высоких требований , для воздушных компрессоров, насосов , вентиляторов, медицинского оборудования, мало габаритных машины итд.

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

С рабочим конденсатором
Рама: H56-H100
Номинальная мощность: 2 от 0.18KW-3.0KW
4 от 0.18KW-3.0KW
Кожух: H56-H80 Алюминий
H100 Чугун
Цвет: Бирюзовый

Номинальное напряжение: 220V±5% 50Hz
Уровень защиты: IP44/IP54/IP55
Класс изоляции: B/F класс
Тип охлаждения: IC411
Метод работы: S1
Температура окружающей среды: -15℃≤θ≤40℃
Абсолютная высота: не более 1000 метров

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

Модель	мощность	Напряжение	ток	Частота вращения	КПД	Коэффициент мощности	Ts/Tn	Tmax/In	Пусковой ток
Model	Output kW	Voltage V	Current A	Speed Rpm	Eff %	Power Factor	Time	Time	Starting Current (A)
АИРЕ56А2	0.18	220	1.48	2750	60	0.92	0.4	1.7	5
АИРЕ56В2	0.25	220	1.96	2750	63	0.92	0.4	1.7	7
АИРЕ63А2	0.37	220	2.73	2770	67	0.92	0.35	1.7	10
АИРЕ63В2	0.55	220	3.88	2770	70	0.92	0.35	1.7	15
АИРЕ71А2	0.75	220	5.15	2800	72	0.92	0.33	1.7	20
АИРЕ71В2	1.10	220	7.02	2800	75	0.95	0.33	1.7	30
АИРЕ80А2	1.50	220	9.44	2820	76	0.95	0.3	1.7	45
АИРЕ80В2	2.20	220	13.67	2820	77	0.95	0.3	1.7	65
АИРЕ90LА2	2.20	220	13.67	2820	77	0.95	0.3	1.7	65
АИРЕ90LВ2	3.00	220	19.00	2840	78	0.92	0.28	1.8	80
АИРЕ100L2	3.00	220	18.40	2840	78	0.95	0.28	1.8	80
АИРЕ56А4	0.12	220	1.10	1360	55	0.9	0.4	1.7	3.5
АИРЕ56В4	0.18	220	1.62	1360	56	0.9	0.4	1.7	5
АИРЕ63А4	0.25	220	2.02	1380	61	0.92	0.35	1.7	7
АИРЕ63В4	0.37	220	2.95	1380	62	0.92	0.35	1.7	10
АИРЕ71А4	0.55	220	4.25	1400	64	0.95	0.35	1.7	15
АИРЕ71В4	0.75	220	5.45	1400	68	0.95	0.32	1.7	20
АИРЕ80А4	1.10	220	7.41	1410	71	0.95	0.32	1.7	30
АИРЕ80В4	1.50	220	9.83	1410	73	0.95	0.3	1.7	45
АИРЕ90LА4	1.50	220	9.69	1410	74	0.95	0.3	1.7	45
АИРЕ90LВ4	2.20	220	14.30	1430	76	0.92	0.28	1.8	65
АИРЕ100S4	2.20	220	13.80	1430	76	0.95	0.28	1.8	65
АИРЕ100L4	3.00	220	18.40	1430	78	0.95	0.28	1.8	80

АИР2Е СЕРИЯ

ОДНОФАЗНЫЙ АСИНХРОННЫЙ ЭЛЕКТРОДВИГАТЕЛЬ С ДВУМЯ РАБОЧИМИ КОНДЕСАТОРАМИ, СООТВЕТСТВУЮЩИЙ СТАНДАРТАМ ГОСТ.

Двигатели серии ANP2E подходят для высоких требований , для воздушных компрессоров, насосов , вентиляторов, медицинского оборудования, мало габаритных машины итд.

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

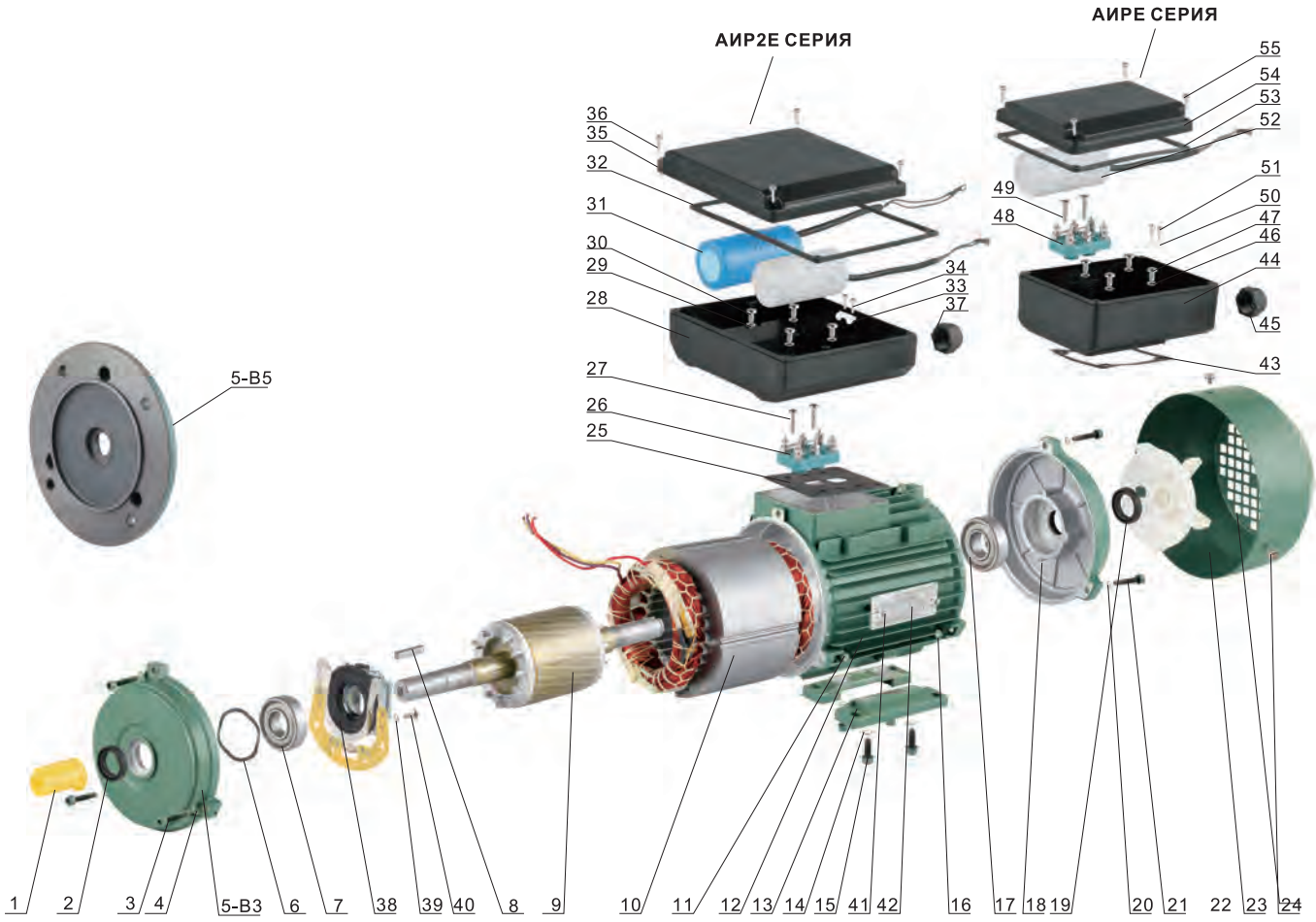
С двумя рабочими конденсаторами
Рама: H63-H100
Номинальная мощность: 2 от 0.37KW-4.0KW
4 от 0.25KW-4.0KW
Кожух: H63-H80 Алюминий
H100-H112 Чугун
Цвет: Бирюзовый

Номинальное напряжение: 220V±5% 50Hz
Уровень защиты: IP44/IP54/IP55
Класс изоляции: B/F класс
Тип охлаждения: IC411
Метод работы: S1
Температура окружающей среды: -15℃≤θ≤40℃
Абсолютная высота: не более 1000 метров

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ

Модель	мощность	Напряжение	ток	Частота вращения	КПД	Коэффициент мощности	Ts/Tn	Tmax/In	Пусковой ток
Model	Output kW	Voltage V	Current A	Speed Rpm	Eff %	Power Factor	Time	Time	Starting Current (A)
АИР2Е63А2	0.37	220	2.73	2760	67	0.92	2.2	1.8	16
АИР2Е63В2	0.55	220	3.88	2760	70	0.92	2.2	1.8	21
АИР2Е71А2	0.75	220	5.15	2780	72	0.92	2.2	1.8	30
АИР2Е71В2	1.10	220	7.02	2780	75	0.95	2.2	1.8	40
АИР2Е80А2	1.50	220	9.44	2800	76	0.95	2.2	1.8	55
АИР2Е80В2	2.20	220	13.67	2800	77	0.95	2.2	1.8	80
АИР2Е80В2	2.20	220	13.67	2800	77	0.95	2.2	1.8	80
АИР2Е100L2	3.00	220	18.20	2830	79	0.95	2.2	1.8	110
АИР2Е100L2	3.00	220	18.76	2830	79	0.92	2.2	1.8	110
АИР2Е112МА2	4.00	220	23.50	2850	81	0.95	2.1	1.8	145
АИР2Е63А4	0.25	220	1.99	1360	62	0.92	2.3	1.8	12
АИР2Е63В4	0.37	220	2.81	1360	65	0.92	2.3	1.8	16
АИР2Е71А4	0.55	220	4.01	1380	68	0.92	2.3	1.8	21
АИР2Е71В4	0.75	220	5.22	1380	71	0.92	2.3	1.8	30
АИР2Е80А4	1.10	220	7.20	1400	73	0.95	2.3	1.8	40
АИР2Е80В4	1.50	220	9.57	1400	75	0.95	2.3	1.8	55
АИР2Е90LA4	1.50	220	9.57	1400	75	0.95	2.3	1.8	55
АИР2Е90LB4	2.20	220	14.30	1420	76	0.92	2.3	1.8	80
АИР2Е100S4	2.20	220	13.90	1420	76	0.95	2.3	1.8	80
АИР2Е100L4	3.00	220	18.60	1420	77	0.95	2.2	1.8	110
АИР2Е112М4	4.00	220	23.90	1430	80	0.95	2.2	1.7	145

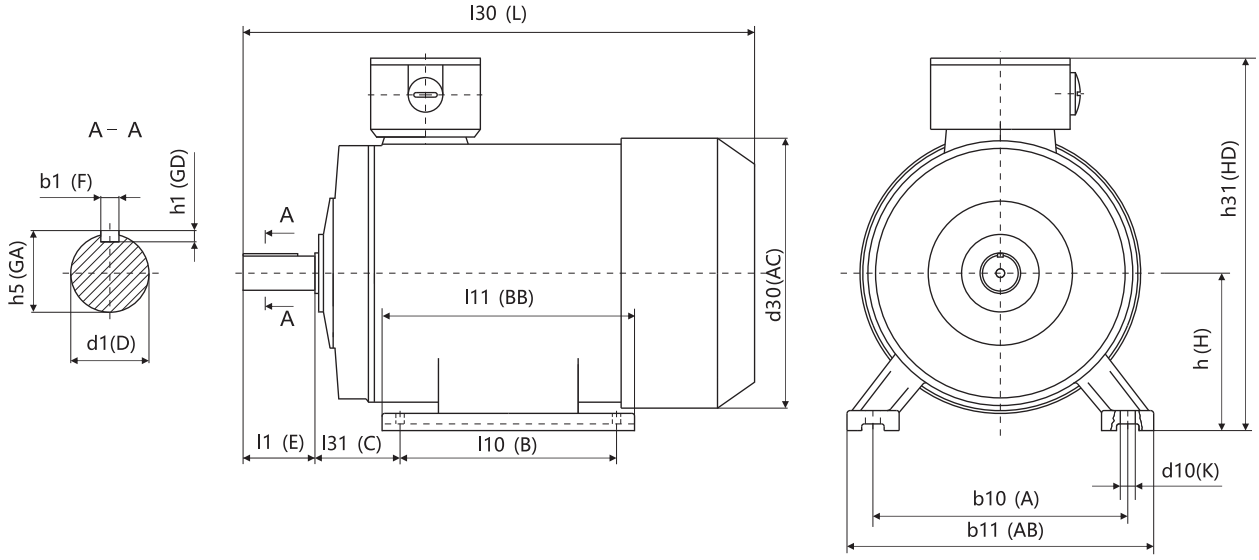
ОДНОФАЗНЫЙ АСИНХРОННЫЙ ЭЛЕКТРОДВИГАТЕЛЬ



No.	Наименование (Description)	No.	Наименование (Description)	No.	Наименование (Description)	No.	Наименование (Description)
1	Выступающий вал (Shaft Cove)	15	Болт (Bolt)	29	Шайба (Washer)	43	Прокладка (Gasket)
2	Каркасный сальник (Rotary Seal)	16	Гайка (Nut)	30	Болт (Bolt)	44	Резьбовая гайка (Cable Gland-nut)
3	Болт (Bolt)	17	Шариковый подшипник (Ball Bearing)	31	Конденсатор (Capacitor)	45	Основная распределительная коробка (Terminal Box Base)
4	Шайба (Washer)	18	Задняя крышка (Motor Rear Cover)	32	Прокладка (Gasket)	46	Шайба (Waher)
5	Лицевая часть (Motor Fore Cover)	19	Каркасный сальник (Rotary Seal)	33	Зажимной кабель (Cable Snap)	47	Болт (Bolt)
6	Гофрированная прокладка (Adjusting Washer)	20	Шайба (Washer)	34	Болт (Bolt)	48	Клеемный блок(Terminal Block)
7	Шариковый подшипник (Ball Bearing)	21	Болт (Bolt)	35	Крышка клеемного блока (Terminal Box Cover)	49	Болт (Bolt)
8	Плоская шпонка (Key)	22	Вентилятор (Fan)	36	Болт (Bolt)	50	Зажимной кабель (Cable Snap)
9	Ротор (Rotor)	23	Крышка вентилятора (Fan Cover)	37	Резьбовая гайка(Cable Gland-nut)	51	Болт (Bolt)
10	Стартер (Stator)	24	Гайка (Nut)	38	Центробежный выключатель панели (Centrifugal Switch Board)	52	Конденсатор (Capacitor)
11	Гайка (Nut)	25	Прокладка (Gasket)	39	Шайба (Washer)	53	Прокладка (Gasket)
12	Блок (Stator With Frame)	26	Клеемный блок (Terminal Block)	40	Болт (Bolt)	54	Крышка клеемного блока (Terminal Box Cover)
13	Основание (B3) (Feet for IM B3)	27	Болт (Bolt)	41	Болт (Bolt)	55	Болт (Bolt)
14	Пружинная прокладка (Spring Gasket)	28	Основная распределительная коробка (Terminal Box Base)	42	Щиток (Nameplate)		

ГАБАРИТНЫЕ, УСТАНОВОЧНЫЕ И ПРИСОЕДИНИТЕЛЬНЫЕ РАЗМЕРЫ

МОНТАЖНОЕ ИСПОЛНЕНИЕ IM 10···1



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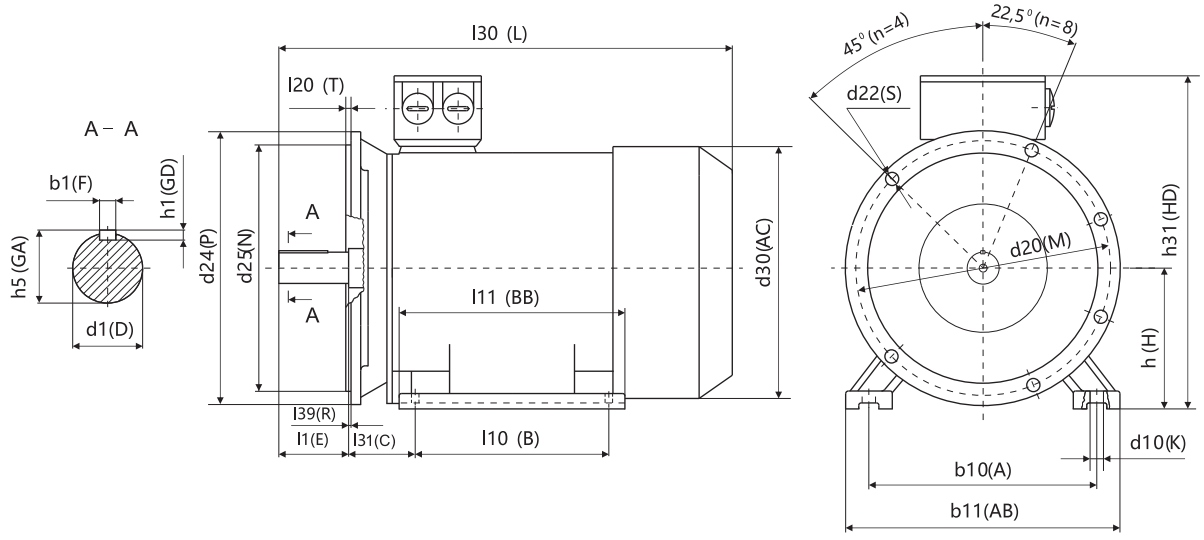

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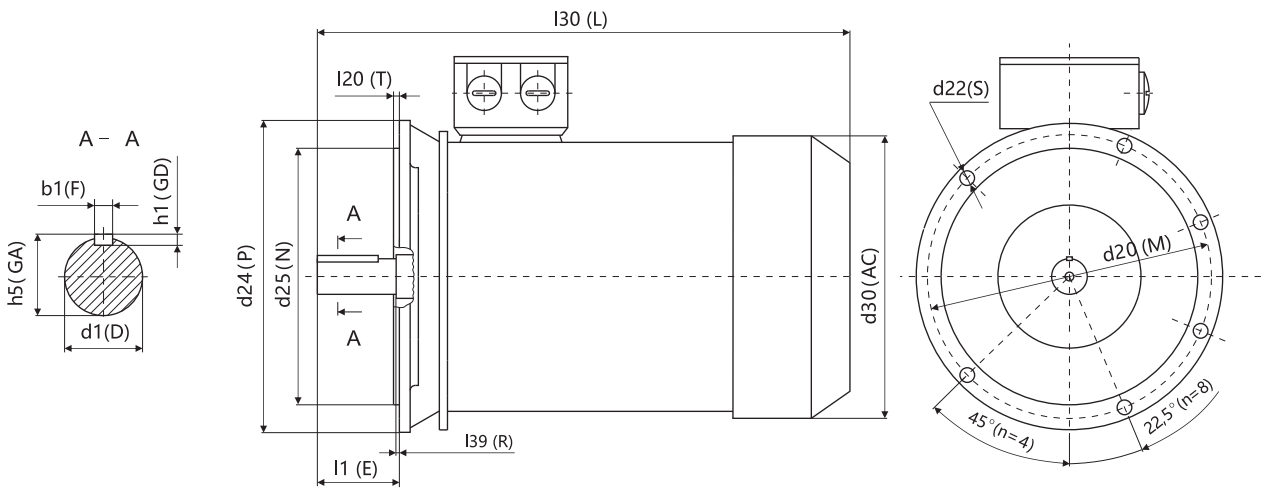


МОНТАЖНОЕ ИСПОЛНЕНИЕ IM 10···1

ТИП Model	ПОЛЮСОВ Pole	ГАБАРИТНЫЕ РАЗМЕРЫ Overall dimensions			УСТАНОВОЧНЫЕ И ПРИСОЕДИНИТЕЛЬНЫЕ РАЗМЕРЫ Installation and connection dimensions											
		130	h31	d30	b10	b11	l10	l11	l31	d1	l1	b1	h5	h1	h	d10
		L	HD	AC	A	AB	B	BB	C	D	E	F	GA	GD	H	K
АИРЕ/2E56A	2, 4	216	165	120	90	113	71	90	36	11	23	4	12,5	4	56	5.8
АИРЕ/2E56B	2, 4	216	165	120	90	113	71	90	36	11	23	4	12,5	4	56	5.8
АИРЕ/2E63A	2, 4, 6	250	180	140	100	124	80	102	40	14	30	5	16	5	63	5.8
АИРЕ/2E63B	2, 4, 6	250	180	140	100	124	80	102	40	14	30	5	16	5	63	5.8
АИРЕ/2E71A	2, 4, 6	295	205	155	112	155	90	120	45	19	40	6	21,5	6	71	7
АИРЕ/2E71B	2, 4, 6, 8	295	205	155	112	155	90	120	45	19	40	6	21,5	6	71	7
АИРЕ/2E80MA	2, 4, 6, 8	320	230	176	125	160	100	131	50	22	50	6	24,5	6	80	10
АИРЕ/2E80MB	2, 4, 6, 8	350	230	176	125	160	100	155	50	22	50	6	24,5	6	80	10
АИРЕ/2E90L	2, 4, 6, 8	380	245	185	140	176	100	170	56	24	50	8	27	7	90	10
АИРЕ/2E100S	2, 4	415	275	215	160	205	112	180	63	28	60	8	31	7	100	12
АИРЕ/2E100L	2, 4, 6, 8	420	275	215	160	205	140	185	63	28	60	8	31	7	100	12
АИРЕ/2E112M	2, 4, 6, 8	455	300	240	190	240	140	223	70	32	80	10	35	8	112	12

МОНТАЖНОЕ ИСПОЛНЕНИЕ IM 20···1

ТИП Model	ПОЛЮСОВ Pole	ГАБАРИТНЫЕ РАЗМЕРЫ Overall dimensions				УСТАНОВОЧНЫЕ И ПРИСОЕДИНИТЕЛЬНЫЕ РАЗМЕРЫ Installation and connection dimensions																
		130	h31	d30	d24	b10	b11	l10	l11	l31	d1	l1	b1	h5	h1	h	d10	d20	d25	l39	l20	d22	n
		L	HD	AC	P	A	AB	B	BB	C	D	E	F	GA	GD	H	K	M	N	R	T	S	n
АИРЕ/2E56A	2, 4	216	165	120	140	90	113	71	90	36	11	23	4	12.5	4	56	5.8	115	95	0	3	10	4
АИРЕ/2E56B	2, 4	216	165	120	140	90	113	71	90	36	11	23	4	12.5	4	56	5.8	155	95	0	3	10	4
АИРЕ/2E63A	2, 4, 6	250	180	140	160	100	124	80	102	40	14	30	5	16	5	63	5.8	130	110	0	3.5	10	4
АИРЕ/2E63B	2, 4, 6	250	180	140	160	100	124	80	102	40	14	30	5	16	5	63	5.8	130	110	0	3.5	10	4
АИРЕ/2E71A	2, 4, 6	295	205	155	200	112	155	90	120	45	19	40	6	21.5	6	71	7	165	130	0	3.5	12	4
АИРЕ/2E71B	2, 4, 6, 8	295	205	155	200	112	155	90	120	45	19	40	6	21.5	6	71	7	165	130	0	3.5	12	4
АИРЕ/2E80MA	2, 4, 6, 8	320	230	176	200	125	160	100	131	50	22	50	6	24.5	6	80	10	165	130	0	3.5	12	4
АИРЕ/2E80MB	2, 4, 6, 8	350	230	176	200	125	160	100	155	50	22	50	6	24.5	6	80	10	165	130	0	3.5	12	4
АИРЕ/2E90L	2, 4, 6, 8	380	245	185	250	140	100	125	170	56	24	50	8	27	7	90	10	215	180	0	4	15	4
АИРЕ/2E100S	2, 4	415	275	215	250	160	205	112	180	63	28	60	8	31	7	100	12	215	180	0	4	15	4
АИРЕ/2E100L	2, 4, 6, 8	420	275	215	250	160	205	140	185	63	28	60	8	31	7	100	12	215	180	0	4	15	4
АИРЕ/2E112M	2, 4, 6, 8	455	300	240	300	190	240	140	223	70	32	80	10	35	8	112	12	265	230	0	4	15	4

МОНТАЖНОЕ ИСПОЛНЕНИЕ IM 30···1

ТИП Model	ПОЛЮСОВ Pole	ГАБАРИТНЫЕ РАЗМЕРЫ Overall dimensions			УСТАНОВОЧНЫЕ И ПРИСОЕДИНИТЕЛЬНЫЕ РАЗМЕРЫ Installation and connection dimensions									
		130	d30	d24	d1	l1	b1	h5	h1	d20	d25	l39	l20	d22	n
		L	AC	P	D	E	F	GA	GD	M	N	R	T	S	n
АИРЕ/2E56A	2, 4	216	120	140	11	23	4	12,5	4	115	95	0	3	10	4
АИРЕ/2E56B	2, 4	216	120	140	11	23	4	12,5	4	115	95	0	3	10	4
АИРЕ/2E63A	2, 4, 6	250	140	160	14	30	5	16	5	130	110	0	3.5	10	4
АИРЕ/2E63B	2, 4, 6	250	140	160	14	30	5	16	5	130	110	0	3.5	10	4
АИРЕ/2E71A	2, 4, 6	295	155	200	19	40	6	21,5	6	165	130	0	3.5	12	4
АИРЕ/2E71B	2, 4, 6, 8	295	155	200	19	40	6	21,5	6	165	130	0	3.5	12	4
АИРЕ/2E80MA	2, 4, 6, 8	320	176	200	22	50	6	24,5	6	165	130	0	3.5	12	4
АИРЕ/2E80MB	2, 4, 6, 8	350	176	200	22	50	6	24,5	6	165	130	0	3.5	12	4
АИРЕ/2E90L	2, 4, 6, 8	380	185	250	24	50	8	27	7	215	180	0	4	15	4
АИРЕ/2E100S	2, 4	415	215	250	28	60	8	31	7	215	180	0	4	15	4
АИРЕ/2E100L	2, 4, 6, 8	420	215	250	28	60	8	31	7	215	180	0	4	15	4
АИРЕ/2E112M	2, 4, 6, 8	455	240	300	32	80	10	35	8	265	230	0	4	15	4

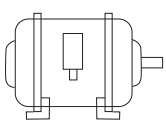
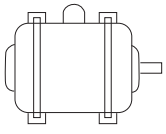
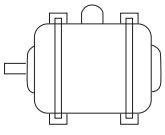
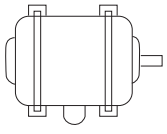
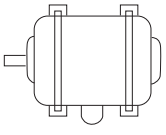
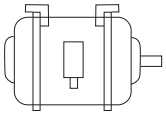
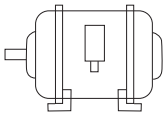
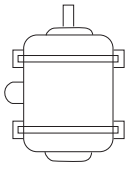
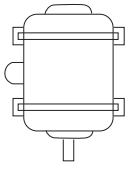
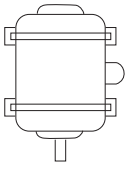
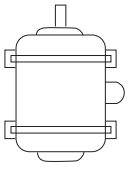
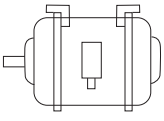
NEMA Standard 3 Phase Induction Electric Motors

Features

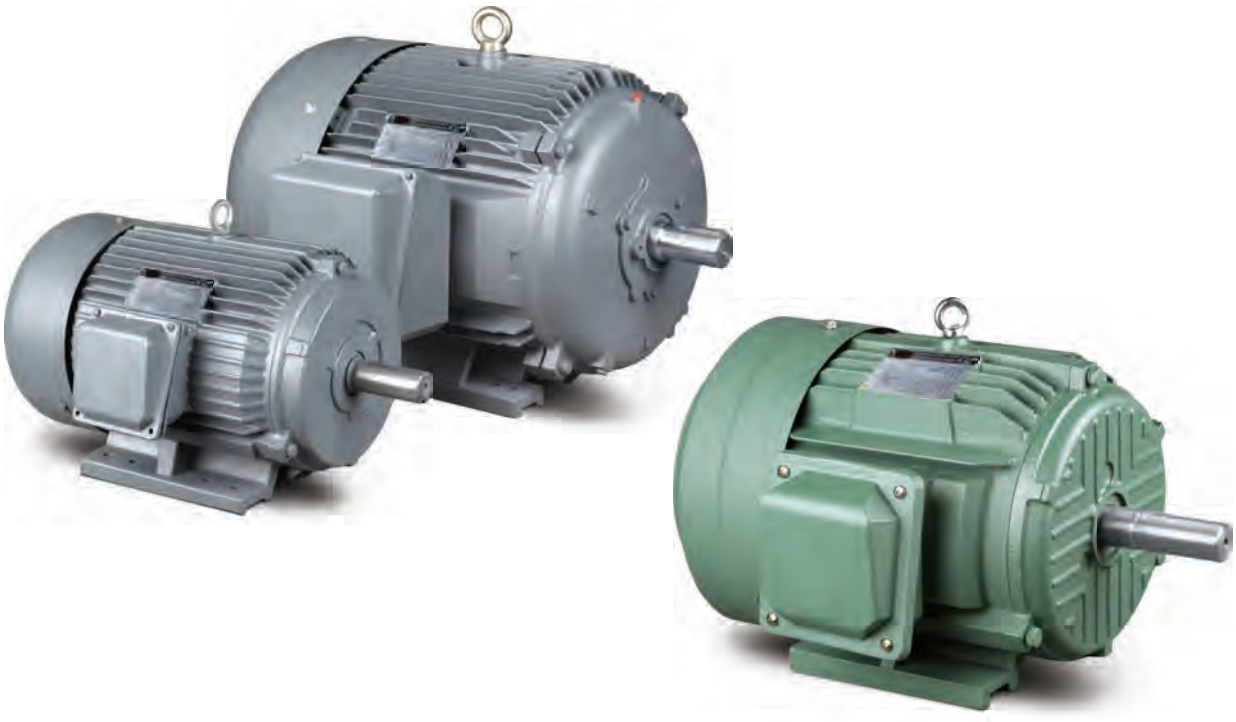
- AC 3 Phase 60Hz 208-230/460V & 460V & 575V
  (Single Voltage only for 250HP and above)
- NEMA Design B (Design A is available)
- Efficiency Level:
  1~200HP 2Pole, 4Pole & 6 Pole Premium Efficiency NEMA MG1 Table 12-12
  250~500HP 2Pole, 4Pole & 6 Pole EPACT Efficiency NEMA MG1 Table 12-11
  3~350HP 8Pole EPACT Efficiency NEMA MG1 Tabl2 12-11
  JM/JP 2Pole, 4Pole & 6 Pole Premium Efficiency NEMA MG1 Table 12-12
- Totally Enclosed Fan Cooled (TEFC, IP55)
- Service Factor : 1.15
- Class B Temperature Rise, Class F insulation with Phenolic Alkyd.
  VPI Varnished with double times.
- Oversize Conduit Box, Rotatable in 90 Degree
- Heavy Duty Construction , Cast Iron Frame, Bracket and Conduit Box.
- Aluminum Die Cast Squirrel Cage Rotor Construction
- Bi-directional Rotation
- Ambient Temperature: 40 Degree C
- Altitude: 3300 Feet
- Paint Colour: Lotus leaf Green
- 143T~447T Shaft: 1045 Carbon Steel
- 449T~586/7T(UZ) Shaft: Alloy Steel and Tempering Treatment.
- Stainless steel Nameplate
- F1 Mounting (F2 is available)
- NEMA Design D, High Torque, High Slip for High Inertia Loads.
- Paint Colour: White. F2 Mounting.
- PTC or PT100 Thermistor is available to protect the Winding and Bearing.

Mounting

T -The motors normally mounted with feet.
TC -The motors with (or without) feet and with C flange.
TD -The motors mounted with feet. Conform to Standard MG1-403.
The assembly symbols are as followed:

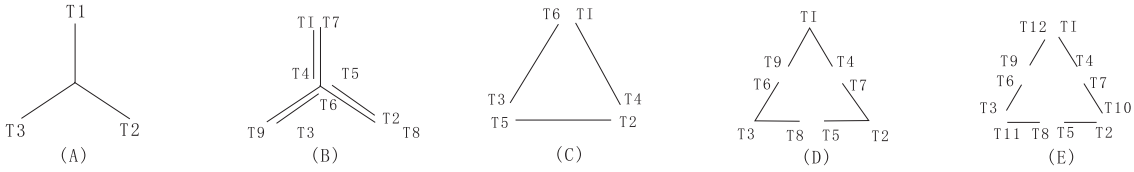
Floor Mounting	Wall Mounting				Ceiling Mounting
 F-1	 W-1	 W-2	 W-3	 W-4	 C-1
 F-2	 W-5	 W-6	 W-7	 W-8	 C-2

Note : Assemble symbols F-1, W-2, W-8 and C-2 mean the conduit box, the mounting feet and the shaft-extension are at the same location.



Conduit Box

The conduit box is generally located in the middle of the frame. There are 3,6,9, or 12 outleads. The conneting methods are as following diagrams . The length of the extend outleads are as the following table. The connections should be according with MG 1-2.62 . Terminal marking for ⅄and▲ connected for Dual-voltage and Single-voltage motors as followed:



Conduit Box Dimensions

Frame Size	Qty of Outleads		Length of Outleads	Terminal Box Size (inch)			Size of Entrance Hole
	230/460V	575V		H	L	W	
143~145	9	3	9.45	2.56	4.92	4.57	3/4 NPT
182~184	9	3	9.45	2.95	5.4	5.04	1 NPT
213~215	9	3	9.45	2.95	5.4	5.04	1 NPT
254~256	9	3	9.45	3.74	7.6	6.93	1-1/2 NPT
284~286	12	6	10.63	3.74	7.6	6.93	1-1/2 NPT
324~326	12	6	13	5.71	11	9.61	2NPT
364~365	12	6	13	5.71	11	9.61	3NPT
404~405	12	6	13.93	7.48	12.2	10.48	3NPT
444~449	12	6	13.93	7.48	12.2	12.05	2x3NPT
449(⩾250HP)	6(460V)	6	13.93	7.48	12.2	12.05	2x3NPT
586/587	6(460V)	6	13.93	7.70	16.17	13.94	2x3NPT

Note: The size of the entrance hole can be machined to NPSC Straight Pipe Thread on request.

NEMA Electric Motors Bearing Specifications

Bearing Specifications		
Frame Size	Drive-end	Non Drive-end
143~145T	6205-ZZ C3	6205-ZZ C3
182~184T	6206-ZZ C3	6206-ZZ C3
213~215T	6308-ZZ C3	6308-ZZ C3
254~256T	6309 C3	6209 C3
284~286T/TS	6311 C3	6309 C3
324~326T/TS	6312 C3	6311 C3
364~365T/TS	6313C3	6312C3
405TS-2	6313C3	6313C3
404~405T	NU316 C3	6313C3
444~447TS-2	6313C3	6313C3
444~447T-2,4,6	NU318 C3	6313C3
449TS-2	6314C3	6314C3
449T-4,6,8	NU320M C3	6320C3
586/7T-4,6,8	NU326M C3	6324C3

NEMA JM/JP Electric Motors Bearing Specifications

Bearing Specifications		
Frame Size	Drive-end	Non Drive-end
143~145JM/JP	6205-ZZ C3	6205-ZZ C3
182~184JM/JP	6207-ZZ C3	6206-ZZ C3
213~215JM/JP	6309-ZZ C3	6308-ZZ C3
254~256JM/JP	6309 C3	6209 C3
284~286JM/JP	6311 C3	6309 C3
324~326JM/JP	6312 C3	6311 C3
364~365JP	6313C3	6312C3

NEMA213~445T Design D Electric Motors Bearing Specifications

Bearing Specifications		
Frame Size	Drive-end	Non Drive-end
213~215T	6308-ZZ C3	6308-ZZ C3
254~256T	6309 C3	6309 C3
284~286T	6311 C3	6311 C3
324~326T	6312 C3	6312 C3
364~365T	6313 C3	6313 C3
404~405T	NU316 C3	6313C3
444~445T	NU318 C3	6313C3

NEMA Premium Efficiency Electric Motors Technical Data

Frame Size	Rated Output		Full Load						Efficiency	Locked Rotor Current A(460v)	Torque		Noise Level Lw dB(A)
				230/460V		575V		Power Factor Cosφ					
	HP	kW	Speed (r.p.m)	Current (A)	Connection method	Current (A)	Connection Method		FL 100%		Locked / Rated %	Maximum / Rated %	
143T,JM,JP	1	0.75	3460	2.92/1.46	2Y/Y	1.16	Y	0.84	77	15	175	250	70
143T,JM,JP	1.5	1.1	3490	3.92/1.96	2Y/Y	1.57	Y	0.84	84	20	200	270	70
145T,JM,JP	2	1.5	3490	5.12/2.56	2Y/Y	2.05	Y	0.86	85.5	25	200	260	70
182T,JM,JP	3	2.2	3500	7.34/3.67	2Y/Y	2.94	Y	0.87	86.5	32	200	280	75
184T,JM,JP	5	3.7	3500	11.8/5.9	2Y/Y	4.7	Y	0.89	88.5	46	200	280	75
213T,JM,JP	7.5	5.5	3520	17.1/8.57	2△/△	6.86	Y	0.9	89.5	63.5	140	250	77
215T,JM,JP	10	7.5	3520	23.2/11.6	2△/△	9.28	Y	0.9	90.2	81	150	250	77
254T,JM,JP	15	11	3550	34.5/17.2	2△/△	13.8	Y	0.88	91	116	170	240	87
256T,JM,JP	20	15	3545	46.5/23.2	2△/△	18.6	Y	0.89	91	145	150	210	88
284TS,JM,JP	25	18.5	3555	57.5/28.8	2△/△	23	△	0.88	91.7	182.5	140	220	88
286TS,JM,JP	30	22	3555	68.4/34.2	2△/△	27.4	△	0.88	91.7	217.5	140	220	88
324TS,JM,JP	40	30	3555	92.6/46.3	2△/△	37	△	0.88	92.4	290	150	230	90
326TS,JM,JP	50	37	3555	113/56.7	2△/△	45.4	△	0.88	93	362.5	150	230	90
364TS,JP	60	45	3570	137/68.6	2△/△	54.9	△	0.88	93.6	435	150	210	91
365TS,JP	75	55	3570	168/83.8	2△/△	67	△	0.88	93.6	542.5	140	210	91
405TS	100	75	3575	225/112	2△/△	89.9	△	0.89	94.1	725	150	250	94
444TS	125	90	3585	264/132	2△/△	106	△	0.9	95	907.5	130	230	97
445TS	150	110	3585	323/161	2△/△	129	△	0.9	95	1085	140	230	97
447TS	200	150	3585	434/217	2△/△	173	△	0.91	95.4	1450	150	230	99

NEMA Premium Efficiency Electric Motors Technical Data

Frame Size	Rated Output								Efficiency	Locked Rotor Current A(460v)	Torque		Noise Level Lw dB(A)
				230/460V		575V		Power Factor Cosφ					
	HP	kW	Speed (r.p.m)	Current (A)	Connection method	Current (A)	Connection Method		FL 100%		Locked / Rated %	Maximum / Rated %	
143T,JM,JP	1	0.75	1760	2.98/1.49	2Y/Y	1.19	Y	0.74	85.5	15	275	300	65
145T,JM,JP	1.5	1.1	1755	4.2/2.1	2Y/Y	1.68	Y	0.76	86.5	20	275	300	66
145T,JM,JP	2	1.5	1755	5.58/2.79	2Y/Y	2.23	Y	0.78	86.5	25	250	300	66
182T,JM,JP	3	2.2	1760	7.43/3.72	2Y/Y	2.97	Y	0.83	89.5	32	215	250	68
184T,JM,JP	5	3.7	1755	12.21/6.10	2Y/Y	4.88	Y	0.85	89.5	46	215	250	68
213T,JM,JP	7.5	5.5	1770	18.6/9.29	2△/△	7.44	Y	0.81	91.7	63.5	180	250	70
215T,JM,JP	10	7.5	1770	24.7/12.4	2△/△	9.9	Y	0.83	91.7	81	180	250	70
254T,JM,JP	15	11	1780	36.4/18.2	2△/△	14.6	Y	0.82	92.4	116	160	220	75
256T,JM,JP	20	15	1780	48.2/24.1	2△/△	19.3	Y	0.84	93.0	145	160	220	75
284T,JM,JP	25	18.5	1775	58.4/29.2	2△/△	23.3	△	0.85	93.6	182.5	150	220	85
286T,JM,JP	30	22	1775	69.4/34.7	2△/△	27.8	△	0.85	93.6	217.5	150	220	85
324T,JM,JP	40	30	1780	93.1/46.5	2△/△	37.2	△	0.86	94.1	290	160	230	85
326T,JM,JP	50	37	1780	114/57.1	2△/△	45.7	△	0.86	94.5	362.5	160	240	85
364T,JP	60	45	1785	138/69.1	2△/△	55.3	△	0.86	95.0	435	140	200	88
365T,JP	75	55	1780	168/84.1	2△/△	67.3	△	0.86	95.4	542.5	150	220	88
405T	100	75	1790	227/113	2△/△	90.7	△	0.87	95.4	725	150	230	89
444T	125	90	1790	275/138	2△/△	110	△	0.86	95.4	907.5	130	220	90
445T	150	110	1790	335/168	2△/△	134	△	0.86	95.8	1085	130	220	92
447T	200	150	1790	455/228	2△/△	182	△	0.86	96.2	1450	120	220	92

Above data may vary by Haineng R&D,
Haineng Company Spareserves the right to modify this data at any time and without notice.

NEMA Premium Efficiency Electric Motors Technical Data

Frame Size	Rated Output		Full Load						Efficiency	Locked Rotor Current A(460v)	Torque		Noise Level Lw dB(A)
				230/460V		575V							
	HP	kW	Speed (r.p.m)	Current (A)	Connection Method	Current (A)	Connection Method	Power Factor Cosφ	FL 100%		Locked / Rated %	Maximum / Rated %	
145T	1	0.75	1160	3.17/1.58	2Y/Y	1.27	Y	0.72	82.5	15	170	265	64
182T	1.5	1.1	1180	4.38/2.19	2Y/Y	1.75	Y	0.72	87.5	20	180	280	67
184T	2	1.5	1180	5.75/2.87	2Y/Y	2.3	Y	0.74	88.5	25	180	280	67
213T	3	2.2	1185	8.82/4.41	2Y/Y	3.53	Y	0.7	89.5	32	155	230	67
215T	5	3.7	1180	14.4/7.21	2Y/Y	5.77	Y	0.72	89.5	46	155	230	67
254T	7.5	5.5	1185	20.8/10.4	2△/△	8.31	Y	0.73	91	63.5	160	230	70
256T	10	7.5	1185	28.3/14.2	2△/△	11.3	Y	0.73	91	81	160	220	70
284T	15	11	1185	37.6/18.8	2△/△	15.1	△	0.8	91.7	116	150	230	80
286T	20	15	1185	50.1/25.0	2△/△	20.0	△	0.82	91.7	145	140	220	80
324T	25	18.5	1190	67.5/33.7	2△/△	27.0	△	0.74	93	182.5	150	230	81
326T	30	22	1185	77.1/38.6	2△/△	30.8	△	0.77	93	217.5	140	210	81
364T	40	30	1190	101/50.7	2△/△	40.5	△	0.79	94.1	290	140	230	82
365T	50	37	1190	125/62.5	2△/△	50.0	△	0.79	94.1	362.5	145	230	83
404T	60	45	1190	141/70.3	2△/△	56.3	△	0.85	94.5	435	145	220	85
405T	75	55	1190	172/85.9	2△/△	68.8	△	0.85	94.5	542.5	145	220	88
444T	100	75	1190	242/121	2△/△	96.7	△	0.82	95	725	135	220	92
445T	125	90	1195	290/145	2△/△	116	△	0.82	95	907.5	135	220	92
447T	150	110	1195	352/176	2△/△	141	△	0.82	95.8	1085	140	240	92
449T	200	150	1192	468/234	2△/△	187	△	0.84	95.8	1450	120	210	94

NEMA Design D Electric Motors Technical Data

Frame Size	Rated Output		Full Load				Efficiency	Locked Rotor Current A(460v)	Torque		Noise Level Lw dB(A)
				230/460V							
	HP	kW	Speed (r.p.m)	Current (A)	Connection Method	Power Factor Cosφ	FL 100%		Locked / Rated %	Maximum / Rated %	
213T	3	2.2	1120	8.4/4.4	2△/△	0.75	79	32	300	270	71
215T	5	3.7	1115	14.6/7.3	2△/△	0.76	82	46	300	270	71
254T	7.5	5.5	1137	20/10	2△/△	0.79	86.5	63.5	280	340	75
256T	10	7.5	1135	28/14	2△/△	0.79	87	81	330	330	75
284T	15	11	1135	38/19	2△/△	0.85	87	116	275	300	80
286T	20	15	1132	51/25.5	2△/△	0.85	87.5	145	275	280	80
324T	25	18.5	1135	63/31.5	2△/△	0.87	89	182.5	310	320	83
326T	30	22	1138	76/38	2△/△	0.85	88.5	217.5	350	200	83
365T	40	30	1135	99/49.5	2△/△	0.83	89	290	290	300	86
404T	50	37	1130	120/60	2△/△	0.87	89	362.5	280	300	86
405T	60	45	1130	148/74	2△/△	0.87	88	435	300	300	90
444T	75	55	1130	176/88	2△/△	0.9	87.5	542.5	275	276	90
445T	100	75	1130	240/120	2△/△	0.9	87.5	725	275	276	94

Above data may vary by Haineng R&D,
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NEMA EPACT Efficiency Electric Motors Technical Data

Frame Size	Rated Output		Full Load						Efficiency	Locked Rotor Current A(460v)	Torque		Noise Level Lw dB(A)
				230/460V		575V		Power Factor Cosφ					
	HP	kW	Speed (r.p.m)	Current (A)	Connection Method	Current (A)	Connection Method		FL 100%		Locked / Rated %	Maximum / Rated %	
Synchronous Speed 3600r/min 60Hz													
449TS	250	185	3585	270	△(460V)	216	△	0.9	95.4	1825	200	250	107
449TS	300	220	3584	322	△(460V)	257	△	0.9	95.4	2200	200	250	110
Synchronous Speed 1800r/min 60Hz													
449T	250	185	1790	284	△(460V)	227	△	0.86	95	1825	200	250	105
449T	300	220	1790	333	△(460V)	266	△	0.87	95.4	2200	200	250	105
586/7T	300	220	1790	329	△(460V)	263	△	0.88	95.4	2200	200	250	105
586/7T	350	260	1789	384	△(460V)	307	△	0.89	95.4	2550	200	250	105
586/7T	400	295	1789	431	△(460V)	345	△	0.9	95.4	2900	200	250	105
586/7T	450	330	1789	482	△(460V)	386	△	0.9	95.4	3250	200	250	108
586/7T	500	370	1790	539	△(460V)	431	△	0.9	95.8	3625	200	250	108
Synchronous Speed 1200r/min 60Hz													
449T	200	150	1191	242	△(460V)	193	△	0.82	95	1450	175	250	100
449T	250	185	1191	302	△(460V)	241	△	0.81	95	1825	175	250	100
449T	300	220	1191	354	△(460V)	284	△	0.82	95	2200	175	250	100
586/7T	250	185	1190	281	△(460V)	225	△	0.87	95	1825	175	250	100
586/7T	300	220	1190	330	△(460V)	264	△	0.88	95	2200	175	250	100
586/7T	350	260	1190	395	△(460V)	316	△	0.87	95	2550	175	250	100
586/7T	400	295	1190	448	△(460V)	358	△	0.87	95	2900	175	250	103
586/7T	450	330	1190	507	△(460V)	406	△	0.86	95	3250	175	250	103
586/7T	500	370	1190	568	△(460V)	455	△	0.86	95	3625	175	250	103
Synchronous Speed 900r/min 60Hz													
215T	3	2.2	860	9.8/4.9	2△/△	3.9	△	0.67	84	32	130	205	72
254T	5	3.7	870	16.0/8.0	2△/△	6.4	△	0.68	85.5	46	130	205	76
256T	7.5	5.5	870	23.4/11.7	2△/△	9.4	△	0.69	85.5	63.5	125	200	76
284T	10	7.5	875	29.6/14.8	2△/△	11.8	△	0.72	88.5	81	125	200	80
286T	15	11	875	44.0/22.0	2△/△	17.6	△	0.71	88.5	116	125	200	80
324T	20	15	880	54.0/27.0	2△/△	21.6	△	0.78	89.5	145	125	200	83
326T	25	18.5	880	64.8/32.4	2△/△	25.9	△	0.80	89.5	182.5	125	200	83
364T	30	22	890	76.8/38.4	2△/△	30.7	△	0.79	91.0	217.5	125	200	86
365T	40	30	890	108.8/54.4	2△/△	43.6	△	0.76	91.0	290	125	200	86
404T	50	37	895	133.2/66.6	2△/△	53.3	△	0.76	91.7	362.5	125	200	89
405T	60	45	895	158/79	2△/△	63.2	△	0.78	91.7	435	125	200	89
444T	75	55	895	185.6/92.8	2△/△	74.2	△	0.80	93.0	542.5	125	200	93
445T	100	75	895	260/130	2△/△	103.8	△	0.78	93.0	725	125	200	93
447T	125	90	895	310/155	2△/△	123.8	△	0.78	93.6	907.5	120	200	96
449T	150	110	890	378/189	2△/△	151.3	△	0.78	93.6	1085	120	200	97
449T	200	150	890	514/257	2△/△	205.2	△	0.78	94.1	1450	120	200	97
586/7T	250	185	890	311	△(460V)	248.8	△	0.79	94.5	1825	100	175	97
586/7T	300	220	890	368	△(460V)	294.3	△	0.79	95	2200	100	175	100
586/7T	350	260	890	435	△(460V)	347.9	△	0.79	95	2550	100	175	100

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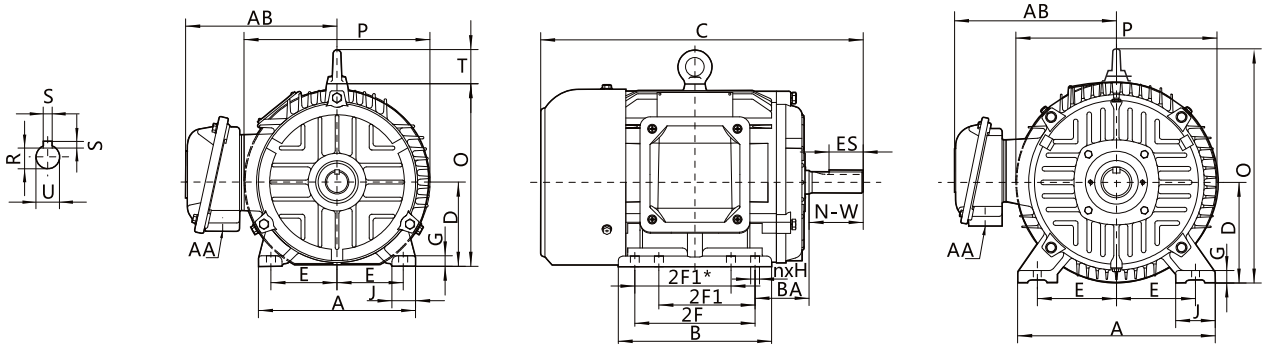

Frame Size 143~215T

Frame Size 254~256T
Frame Size 284~447T(TS)

Note: when the quantity of the motor mounting hole n=8, there is 2F1*.

Frame Size	Dimensions (inch)									
	max A	max B	C	D	E	nxH	2F	2F1	G	J
143T	7	6.5	13.58	3.5	2.75	8×0.34	5	4	0.45	1
145T	7	6.5	13.58	3.5	2.75	8×0.34	5	4	0.45	1
182T	9	7.5	16	4.5	3.75	8×0.41	5.5	4.5	0.59	1.97
184T	9	7.5	16	4.5	3.75	8×0.41	5.5	4.5	0.59	1.97
213T	10.5	9	20.16	5.25	4.25	8×0.41	7	5.5	0.748	2.17
215T	10.5	10.6	21.65	5.25	4.25	6×0.41	7	5.5	0.748	2.17
254T-2	12.5	12.5	25	6.25	5	8×0.53	10	8.25	0.787	2.5
254T-4,6	12.5	10.6	23.26	6.25	5	4×0.53	8.25	-	0.787	2.5
256T	12.5	12.5	25	6.25	5	8×0.53	10	8.25	0.787	2.5
284T	14	12.5	28.03	7	5.5	4×0.53	9.5	-	0.866	2.76
284TS	14	12.5	26.66	7	5.5	4×0.53	9.5	-	0.866	2.76
286T	14	14	29.52	7	5.5	8×0.53	11	9.5	0.866	2.76
286TS	14	14	28.15	7	5.5	8×0.53	11	9.5	0.866	2.76
324T	16	14.7	31.05	8	6.25	8×0.66	12	10.5	1.18	2.76
324TS	16	14.7	29.55	8	6.25	8×0.66	12	10.5	1.18	2.76
326T	16	16.3	32.74	8	6.25	6×0.66	12	10.5	1.18	2.76
326TS	16	16.3	31.24	8	6.25	6×0.66	12	10.5	1.18	2.76
364T	18	16.9	35.24	9	7	8×0.66	-	11.25	1.22	2.95
364TS	18	16.9	33.11	9	7	8×0.66	-	11.25	1.22	2.95
365T	18	18.5	36.82	9	7	6×0.66	12.25	11.25	1.22	2.95
365TS	18	18.5	34.69	9	7	6×0.66	12.25	11.25	1.22	2.95
404T	20	15.35	36.61	10	8	4×0.81	12.25	-	1.18	3.15
404TS	20	15.35	33.61	10	8	4×0.81	12.25	-	1.18	3.15
405T	20	17	38.03	10	8	8×0.81	13.75	12.25	1.18	3.15
405TS	20	17	35.03	10	8	8×0.81	13.75	12.25	1.18	3.15
444T	22	18.5	42.5	11	9	4×0.81	14.5	-	1.38	3.35
444TS	22	18.5	38.75	11	9	4×0.81	14.5	-	1.38	3.35
445T	22	20.5	44.5	11	9	8×0.81	16.5	14.5	1.38	3.35
445TS	22	20.5	40.75	11	9	8×0.81	16.5	14.5	1.38	3.35
447T	22	24	48	11	9	8×0.81	20	16.5	1.38	3.35
447TS	22	24	44.25	11	9	8×0.81	20	16.5	1.38	3.35
449TS	22	31	55	11	9	6×0.81	25	20	1.57	3.35
449T	22	31	51.25	11	9	6×0.81	25	20	1.57	3.35

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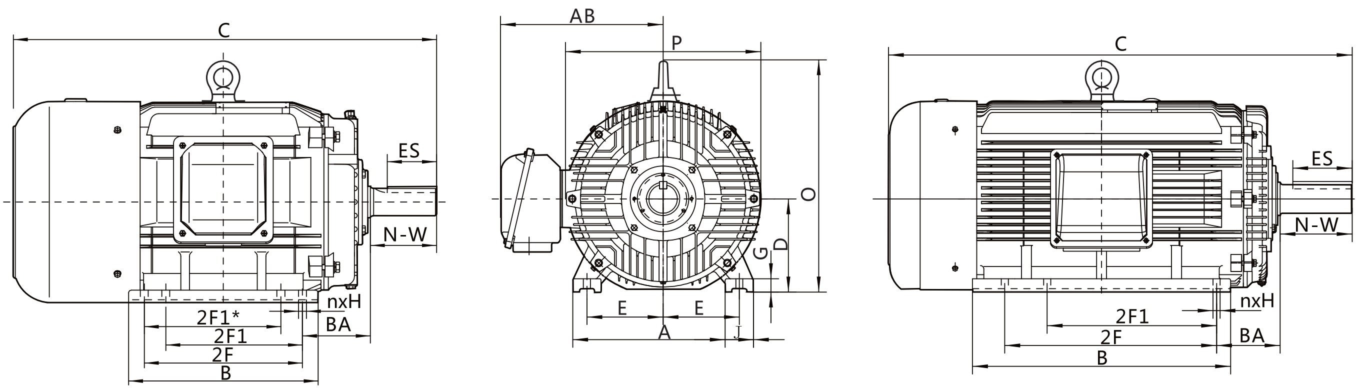

Frame Size 254~256T
Frame Size 284~447T(TS)

Frame Size 449T(TS)

Dimensions (inch)											
	N - W	O	P	R	S	T	U	min ES	AA	AB	BA
	2.25	7.6	7.73	0.771	0.188	1.42	0.875	1.41	3/4	6.5	2.25
	2.25	7.6	7.73	0.771	0.188	1.42	0.875	1.41	3/4	6.5	2.25
	2.75	9.5	9.9	0.986	0.25	1.42	1.125	1.78	1	8	2.75
	2.75	9.5	9.9	0.986	0.25	1.42	1.125	1.78	1	8	2.75
	3.38	10.55	10.4	1.201	0.312	1.73	1.375	2.41	1	8.46	3.5
	3.38	10.55	10.4	1.201	0.312	1.73	1.375	2.41	1	8.46	3.5
	4	12.8	12.6	1.416	0.375	-	1.625	2.91	1-1/2	10.43	4.25
	4	12.8	12.6	1.416	0.375	-	1.625	2.91	1-1/2	10.43	4.25
	4	12.8	12.6	1.416	0.375	-	1.625	2.91	1-1/2	10.43	4.25
	4.62	14.17	14.17	1.591	0.5	-	1.875	3.28	1-1/2	11.42	4.75
	3.25	14.17	14.17	1.416	0.375	-	1.625	1.91	1-1/2	11.42	4.75
	4.62	14.17	14.17	1.591	0.5	-	1.875	3.28	1-1/2	11.42	4.75
	3.25	14.17	14.17	1.416	0.375	-	1.625	1.91	1-1/2	11.42	4.75
	5.25	15.82	15.75	1.845	0.5	-	2.125	3.91	2	14.17	5.25
	3.75	15.82	15.75	1.591	0.5	-	1.875	2.03	2	14.17	5.25
	5.25	15.82	15.75	1.845	0.5	-	2.125	3.91	2	14.17	5.25
	3.75	15.82	15.75	1.591	0.5	-	1.875	2.03	2	14.17	5.25
	5.88	18.13	17.7	2.021	0.625	-	2.375	4.28	3	15.15	5.88
	3.75	18.13	17.7	1.591	0.5	-	1.875	2.03	3	15.15	5.88
	5.88	18.13	17.7	2.021	0.625	-	2.375	4.28	3	15.15	5.88
	3.75	18.13	17.7	1.591	0.5	-	1.875	2.03	3	15.15	5.88
	7.25	21	21.5	2.45	0.75	-	2.875	5.65	3	18.5	6.62
	4.25	21	21.5	1.845	0.5	-	2.125	2.78	3	18.5	6.62
	7.25	21	21.5	2.45	0.75	-	2.875	5.65	3	18.5	6.62
	4.25	21	21.5	1.845	0.5	-	2.125	2.78	3	18.5	6.62
	8.5	22.8	23.43	2.88	0.875	-	3.375	6.91	2×3	19.41	7.5
	4.75	22.8	23.43	2.021	0.625	-	2.375	3.03	2×3	19.41	7.5
	8.5	22.8	23.43	2.88	0.875	-	3.375	6.91	2×3	19.41	7.5
	4.75	22.8	23.43	2.021	0.625	-	2.375	3.03	2×3	19.41	7.5
	8.5	22.8	23.43	2.88	0.875	-	3.375	6.91	2×3	19.41	7.5
	4.75	22.8	23.43	2.021	0.625	-	2.375	3.03	2×3	19.41	7.5
	8.5	23.1	23.43	2.88	0.875	-	3.375	6.91	2×3	19.41	7.5
	4.75	23.1	23.43	2.021	0.625	-	2.375	3.03	2×3	19.41	7.5

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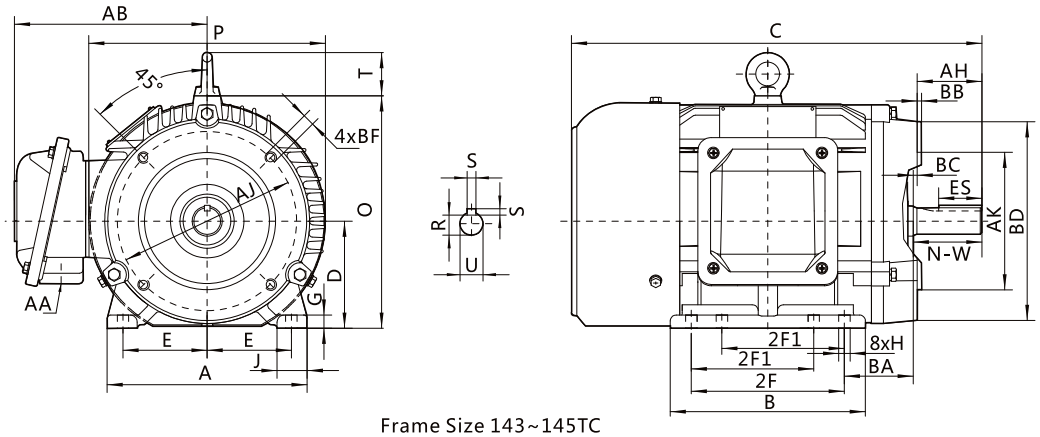
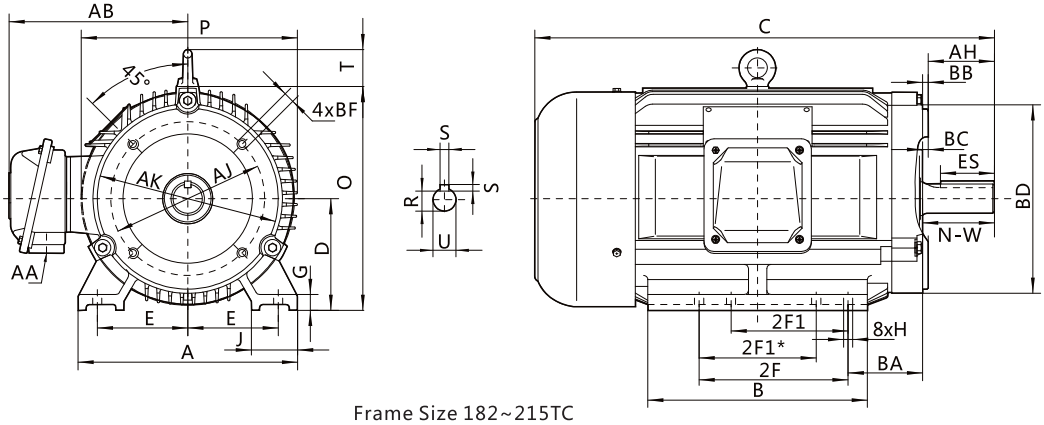


Frame Size 143~145TC



Frame Size 182~215TC

Note: when the quantity of the motor mounting hole n=8, there is 2F1*.

Frame Size	Dimensions (inch)												
	max A	max B	C	D	E	nxH	2F	2F1	G	J	N - W	O	P
143TC	7	6.5	13.58	3.5	2.75	8×0.34	5	4	0.45	1	2.25	7.6	7.73
145TC	7	6.5	13.58	3.5	2.75	8×0.34	5	4	0.45	1	2.25	7.6	7.73
182TC	9	7.5	16	4.5	3.75	8×0.41	5.5	4.5	0.59	1.97	2.75	9.5	9.9
184TC	9	7.5	16	4.5	3.75	8×0.41	5.5	4.5	0.59	1.97	2.75	9.5	9.9
213TC	10.5	9	20.16	5.25	4.25	8×0.41	7	5.5	0.748	2.17	3.38	10.55	10.4
215TC	10.5	10.6	21.65	5.25	4.25	6×0.41	7	5.5	0.748	2.17	3.38	10.55	10.4
254TC-2	12.5	12.5	25	6.25	5	8×0.53	10	8.25	0.787	2.5	4	12.8	12.6
254TC-4.6	12.5	10.6	23.26	6.25	5	4×0.53	8.25	-	0.787	2.5	4	12.8	12.6
256TC	12.5	12.5	25	6.25	5	8×0.53	10	8.25	0.787	2.5	4	12.8	12.6
284TC	14	12.5	28.03	7	5.5	4×0.53	9.5	-	0.866	2.76	4.62	14.17	14.17
284TSC	14	12.5	26.66	7	5.5	4×0.53	9.5	-	0.866	2.76	3.25	14.17	14.17
286TC	14	14	29.52	7	5.5	8×0.53	11	9.5	0.866	2.76	4.62	14.17	14.17
286TSC	14	14	28.15	7	5.5	8×0.53	11	9.5	0.866	2.76	3.25	14.17	14.17
324TC	16	14.7	31.05	8	6.25	8×0.66	12	10.5	1.18	2.76	5.25	15.82	15.75
324TSC	16	14.7	29.55	8	6.25	8×0.66	12	10.5	1.18	2.76	3.75	15.82	15.75
326TC	16	16.3	32.74	8	6.25	6×0.66	12	10.5	1.18	2.76	5.25	15.82	15.75
326TSC	16	16.3	31.24	8	6.25	6×0.66	12	10.5	1.18	2.76	3.75	15.82	15.75
364TC	18	16.9	35.24	9	7	8×0.66	-	11.25	1.22	2.95	5.88	18.13	17.7
364TSC	18	16.9	33.11	9	7	8×0.66	-	11.25	1.22	2.95	3.75	18.13	17.7
365TC	18	18.5	36.82	9	7	6×0.66	12.25	11.25	1.22	2.95	5.88	18.13	17.7
365TSC	18	18.5	34.69	9	7	6×0.66	12.25	11.25	1.22	2.95	3.75	18.13	17.7
404TC	20	15.35	36.61	10	8	4×0.81	12.25	-	1.18	3.15	7.25	21	21.5
404TSC	20	15.35	33.61	10	8	4×0.81	12.25	-	1.18	3.15	4.25	21	21.5
405TC	20	17	38.03	10	8	8×0.81	13.75	12.25	1.18	3.15	7.25	21	21.5
405TSC	20	17	35.03	10	8	8×0.81	13.75	12.25	1.18	3.15	4.25	21	21.5
444TC	22	18.5	42.5	11	9	4×0.81	14.5	-	1.38	3.35	8.5	22.8	23.43
444TSC	22	18.5	38.75	11	9	4×0.81	14.5	-	1.38	3.35	4.75	22.8	23.43
445TC	22	20.5	44.5	11	9	8×0.81	16.5	14.5	1.38	3.35	8.5	22.8	23.43
445TSC	22	20.5	40.75	11	9	8×0.81	16.5	14.5	1.38	3.35	4.75	22.8	23.43
447TC	22	24	48	11	9	8×0.81	20	16.5	1.38	3.35	8.5	22.8	23.43
447TSC	22	24	44.25	11	9	8×0.81	20	16.5	1.38	3.35	4.75	22.8	23.43
449TC	22	31	55	11	9	6×0.81	25	20	1.57	3.35	8.5	23.1	23.43
449TSC	22	31	51.25	11	9	6×0.81	25	20	1.57	3.35	4.75	23.1	23.43

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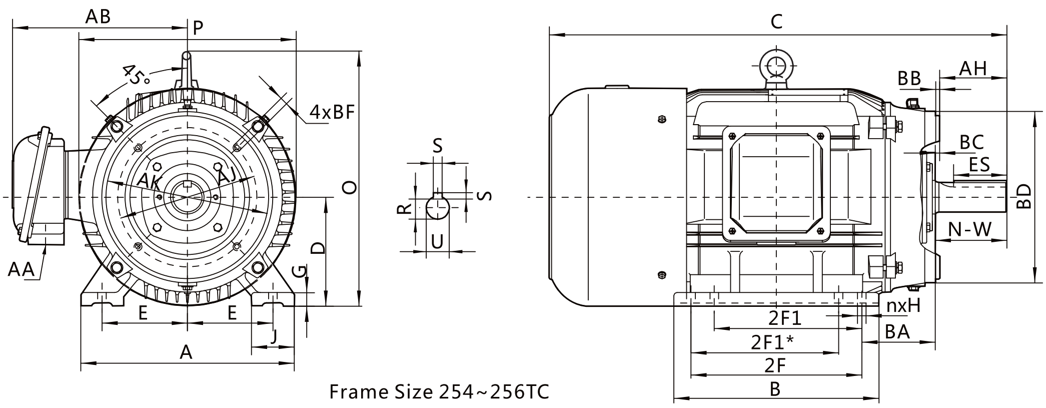
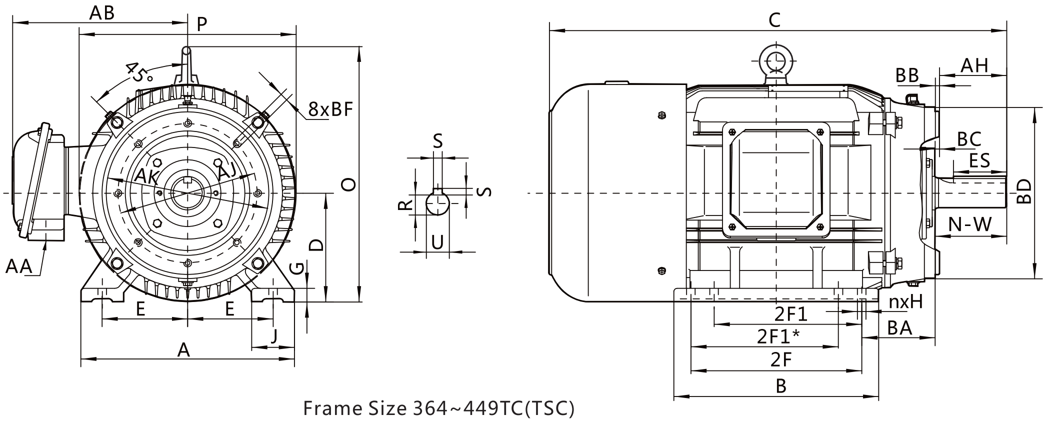


Frame Size 254~256TC
Frame Size 284~326TC(TSC)



Frame Size 364~449TC(TSC)

Dimensions (inch)

	R	S	T	U	min ES	AA	AB	AH	AJ	AK	BA	min BB	BC	max BD	BF
	0.771	0.188	1.42	0.875	1.41	3/4	6.5	2.12	5.875	4.5	2.25	0.16	0.12	6.5	3/8-16
	0.771	0.188	1.42	0.875	1.41	3/4	6.5	2.12	5.875	4.5	2.25	0.16	0.12	6.5	3/8-16
	0.986	0.25	1.42	1.125	1.78	1	8	2.62	7.25	8.5	2.75	0.25	0.12	9	1/2-13
	0.986	0.25	1.42	1.125	1.78	1	8	2.62	7.25	8.5	2.75	0.25	0.12	9	1/2-13
	1.201	0.312	1.73	1.375	2.41	1	8.46	3.12	7.25	8.5	3.5	0.25	0.25	9	1/2-13
	1.201	0.312	1.73	1.375	2.41	1	8.46	3.12	7.25	8.5	3.5	0.25	0.25	9	1/2-13
	1.416	0.375	-	1.625	2.91	1-1/2	10.43	3.75	7.25	8.5	4.25	0.25	0.25	10	1/2-13
	1.416	0.375	-	1.625	2.91	1-1/2	10.43	3.75	7.25	8.5	4.25	0.25	0.25	10	1/2-13
	1.416	0.375	-	1.625	2.91	1-1/2	10.43	3.75	7.25	8.5	4.25	0.25	0.25	10	1/2-13
	1.591	0.5	-	1.875	3.28	1-1/2	11.42	4.38	9	10.5	4.75	0.25	0.25	11.25	1/2-13
	1.416	0.375	-	1.625	1.91	1-1/2	11.42	3	9	10.5	4.75	0.25	0.25	11.25	1/2-13
	1.591	0.5	-	1.875	3.28	1-1/2	11.42	4.38	9	10.5	4.75	0.25	0.25	11.25	1/2-13
	1.416	0.375	-	1.625	1.91	1-1/2	11.42	3	9	10.5	4.75	0.25	0.25	11.25	1/2-13
	1.845	0.5	-	2.125	3.91	2	14.17	5	11	12.5	5.25	0.25	0.25	14	5/8-11
	1.591	0.5	-	1.875	2.03	2	14.17	3.5	11	12.5	5.25	0.25	0.25	14	5/8-11
	1.845	0.5	-	2.125	3.91	2	14.17	5	11	12.5	5.25	0.25	0.25	14	5/8-11
	1.591	0.5	-	1.875	2.03	2	14.17	3.5	11	12.5	5.25	0.25	0.25	14	5/8-11
	2.021	0.625	-	2.375	4.28	3	15.15	5.62	11	12.5	5.88	0.25	0.25	14	5/8-11
	1.591	0.5	-	1.875	2.03	3	15.15	3.5	11	12.5	5.88	0.25	0.25	14	5/8-11
	2.021	0.625	-	2.375	4.28	3	15.15	5.62	11	12.5	5.88	0.25	0.25	14	5/8-11
	1.591	0.5	-	1.875	2.03	3	15.15	3.5	11	12.5	5.88	0.25	0.25	14	5/8-11
	2.45	0.75	-	2.875	5.65	3	18.5	7	11	12.5	6.62	0.25	0.25	15.5	5/8-11
	1.845	0.5	-	2.125	2.78	3	18.5	4	11	12.5	6.62	0.25	0.25	15.5	5/8-11
	2.45	0.75	-	2.875	5.65	3	18.5	7	11	12.5	6.62	0.25	0.25	15.5	5/8-11
	1.845	0.5	-	2.125	2.78	3	18.5	4	11	12.5	6.62	0.25	0.25	15.5	5/8-11
	2.88	0.875	-	3.375	6.91	2×3	19.41	8.25	14	16	7.5	0.25	0.25	18	5/8-11
	2.021	0.625	-	2.375	3.03	2×3	19.41	4.5	14	16	7.5	0.25	0.25	18	5/8-11
	2.88	0.875	-	3.375	6.91	2×3	19.41	8.25	14	16	7.5	0.25	0.25	18	5/8-11
	2.021	0.625	-	2.375	3.03	2×3	19.41	4.5	14	16	7.5	0.25	0.25	18	5/8-11
	2.88	0.875	-	3.375	6.91	2×3	19.41	8.25	14	16	7.5	0.25	0.25	18	5/8-11
	2.021	0.625	-	2.375	3.03	2×3	19.41	4.5	14	16	7.5	0.25	0.25	18	5/8-11
	2.88	0.875	-	3.375	6.91	2×3	19.41	8.25	14	16	7.5	0.25	0.25	18	5/8-11
	2.021	0.625	-	2.375	3.03	2×3	19.41	4.5	14	16	7.5	0.25	0.25	18	5/8-11

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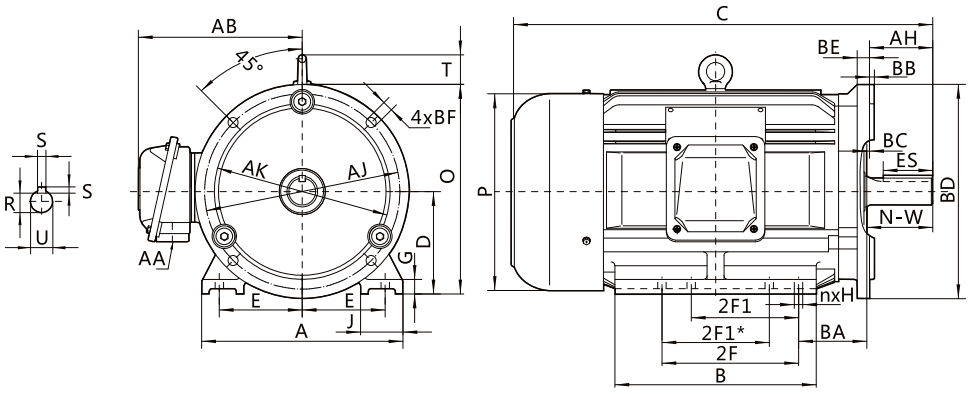
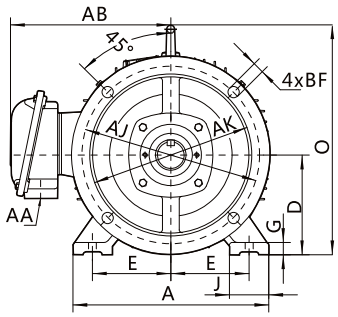


Frame Size 143~215TD



Frame Size 254~256TD
Frame Size 284~365TD(TSD)

Note: when the quantity of the motor mounting hole n=8, there is 2F1*.

Frame Size	Dimensions (inch)												
	max A	max B	C	D	E	nxH	2F	2F1	G	J	N - W	O	P
143TD	7	6.5	13.58	3.5	2.75	8×0.34	5	4	0.45	1	2.25	7.6	7.73
145TD	7	6.5	13.58	3.5	2.75	8×0.34	5	4	0.45	1	2.25	7.6	7.73
182TD	9	7.5	16	4.5	3.75	8×0.41	5.5	4.5	0.59	1.97	2.75	9.5	9.9
184TD	9	7.5	16	4.5	3.75	8×0.41	5.5	4.5	0.59	1.97	2.75	9.5	9.9
213TD	10.5	9	20.16	5.25	4.25	8×0.41	7	5.5	0.748	2.17	3.38	10.55	10.4
215TD	10.5	10.6	21.65	5.25	4.25	6×0.41	7	5.5	0.748	2.17	3.38	10.55	10.4
254TD-2	12.5	12.5	25	6.25	5	8×0.53	10	8.25	0.787	2.5	4	12.8	12.6
254TD-4.6	12.5	10.6	23.26	6.25	5	4×0.53	8.25	-	0.787	2.5	4	12.8	12.6
256TD	12.5	12.5	25	6.25	5	8×0.53	10	8.25	0.787	2.5	4	12.8	12.6
284TD	14	12.5	28.03	7	5.5	4×0.53	9.5	-	0.866	2.76	4.62	14.17	14.17
284TSD	14	12.5	26.66	7	5.5	4×0.53	9.5	-	0.866	2.76	3.25	14.17	14.17
286TD	14	14	29.52	7	5.5	8×0.53	11	9.5	0.866	2.76	4.62	14.17	14.17
286TSD	14	14	28.15	7	5.5	8×0.53	11	9.5	0.866	2.76	3.25	14.17	14.17
324TD	16	14.7	31.05	8	6.25	8×0.66	12	10.5	1.18	2.76	5.25	15.82	15.75
324TSD	16	14.7	29.55	8	6.25	8×0.66	12	10.5	1.18	2.76	3.75	15.82	15.75
326TD	16	16.3	32.74	8	6.25	6×0.66	12	10.5	1.18	2.76	5.25	15.82	15.75
326TSD	16	16.3	31.24	8	6.25	6×0.66	12	10.5	1.18	2.76	3.75	15.82	15.75
364TD	18	16.9	35.24	9	7	8×0.66	-	11.25	1.22	2.95	5.88	18.13	17.7
364TSD	18	16.9	33.11	9	7	8×0.66	-	11.25	1.22	2.95	3.75	18.13	17.7
365TD	18	18.5	36.82	9	7	6×0.66	12.25	11.25	1.22	2.95	5.88	18.13	17.7
365TSD	18	18.5	34.69	9	7	6×0.66	12.25	11.25	1.22	2.95	3.75	18.13	17.7
404TD	20	15.35	36.61	10	8	4×0.81	12.25	-	1.18	3.15	7.25	21	21.5
404TSD	20	15.35	33.61	10	8	4×0.81	12.25	-	1.18	3.15	4.25	21	21.5
405TD	20	17	38.03	10	8	8×0.81	13.75	12.25	1.18	3.15	7.25	21	21.5
405TSD	20	17	35.03	10	8	8×0.81	13.75	12.25	1.18	3.15	4.25	21	21.5
444TD	22	18.5	42.5	11	9	4×0.81	14.5	-	1.38	3.35	8.5	22.8	23.43
444TSD	22	18.5	38.75	11	9	4×0.81	14.5	-	1.38	3.35	4.75	22.8	23.43
445TD	22	20.5	44.5	11	9	8×0.81	16.5	14.5	1.38	3.35	8.5	22.8	23.43
445TSD	22	20.5	40.75	11	9	8×0.81	16.5	14.5	1.38	3.35	4.75	22.8	23.43
447TD	22	24	48	11	9	8×0.81	20	16.5	1.38	3.35	8.5	22.8	23.43
447TSD	22	24	44.25	11	9	8×0.81	20	16.5	1.38	3.35	4.75	22.8	23.43
449TSD	22	31	55	11	9	6×0.81	25	20	1.57	3.35	8.5	23.1	23.43
449TD	22	31	51.25	11	9	6×0.81	25	20	1.57	3.35	4.75	23.1	23.43

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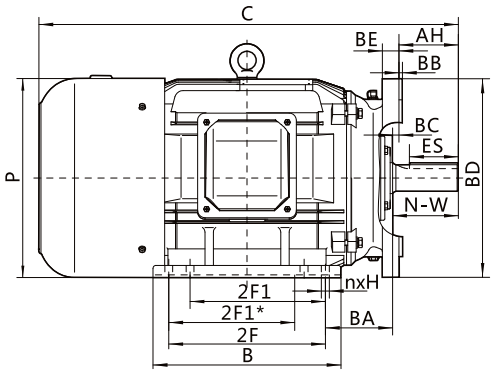
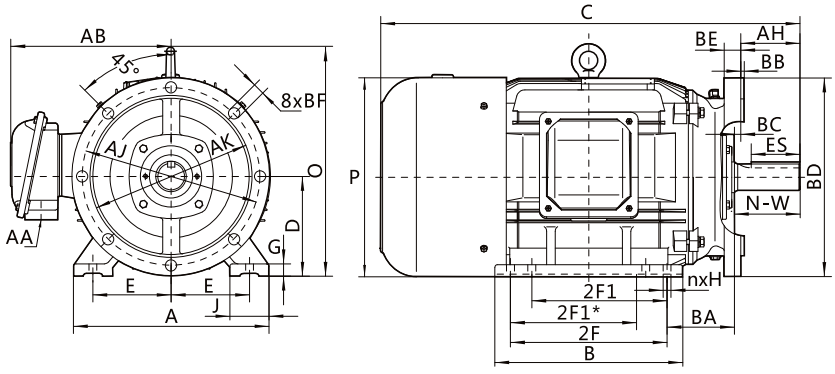


Frame Size 254~256TD
Frame Size 284~365TD(TSD)



Frame Size 404~449TD(TSD)

Dimensions (inch)															
	R	S	T	U	min ES	AA	AB	AH	AJ	AK	BA	min BB	BC	max BD	BE	BF
	0.771	0.188	1.42	0.875	1.41	3/4	6.5	2.25	10	9	2.25	0.25	0	11	0.5	0.53
	0.771	0.188	1.42	0.875	1.41	3/4	6.5	2.25	10	9	2.25	0.25	0	11	0.5	0.53
	0.986	0.25	1.42	1.125	1.78	1	8	2.75	10	9	2.75	0.25	0	11	0.5	0.53
	0.986	0.25	1.42	1.125	1.78	1	8	2.75	10	9	2.75	0.25	0	11	0.5	0.53
	1.201	0.312	1.73	1.375	2.41	1	8.46	3.38	10	9	3.5	0.25	0	11	0.5	0.53
	1.201	0.312	1.73	1.375	2.41	1	8.46	3.38	10	9	3.5	0.25	0	11	0.5	0.53
	1.416	0.375	-	1.625	2.91	1-1/2	10.43	4	12.5	11	4.25	0.25	0	14	0.75	0.81
	1.416	0.375	-	1.625	2.91	1-1/2	10.43	4	12.5	11	4.25	0.25	0	14	0.75	0.81
	1.416	0.375	-	1.625	2.91	1-1/2	10.43	4	12.5	11	4.25	0.25	0	14	0.75	0.81
	1.591	0.5	-	1.875	3.28	1-1/2	11.42	4.62	12.5	11	4.75	0.25	0	14	0.75	0.81
	1.416	0.375	-	1.625	1.91	1-1/2	11.42	3.25	12.5	11	4.75	0.25	0	14	0.75	0.81
	1.591	0.5	-	1.875	3.28	1-1/2	11.42	4.62	12.5	11	4.75	0.25	0	14	0.75	0.81
	1.416	0.375	-	1.625	1.91	1-1/2	11.42	3.25	12.5	11	4.75	0.25	0	14	0.75	0.81
	1.845	0.5	-	2.125	3.91	2	14.17	5.25	16	14	5.25	0.25	0	18	0.75	0.81
	1.591	0.5	-	1.875	2.03	2	14.17	3.75	16	14	5.25	0.25	0	18	0.75	0.81
	1.845	0.5	-	2.125	3.91	2	14.17	5.25	16	14	5.25	0.25	0	18	0.75	0.81
	1.591	0.5	-	1.875	2.03	2	14.17	3.75	16	14	5.25	0.25	0	18	0.75	0.81
	2.021	0.625	-	2.375	4.28	3	15.15	5.88	16	14	5.88	0.25	0	18	0.75	0.81
	1.591	0.5	-	1.875	2.03	3	15.15	3.75	16	14	5.88	0.25	0	18	0.75	0.81
	2.021	0.625	-	2.375	4.28	3	15.15	5.88	16	14	5.88	0.25	0	18	0.75	0.81
	1.591	0.5	-	1.875	2.03	3	15.15	3.75	16	14	5.88	0.25	0	18	0.75	0.81
	2.45	0.75	-	2.875	5.65	3	18.5	7.25	20	18	6.62	0.25	0	22	1	0.81
	1.845	0.5	-	2.125	2.78	3	18.5	4.25	20	18	6.62	0.25	0	22	1	0.81
	2.45	0.75	-	2.875	5.65	3	18.5	7.25	20	18	6.62	0.25	0	22	1	0.81
	1.845	0.5	-	2.125	2.78	3	18.5	4.25	20	18	6.62	0.25	0	22	1	0.81
	2.88	0.875	-	3.375	6.91	2×3	19.41	8.5	20	18	7.5	0.25	0	22	1	0.81
	2.021	0.625	-	2.375	3.03	2×3	19.41	4.75	20	18	7.5	0.25	0	22	1	0.81
	2.88	0.875		3.375	6.91	2×3	19.41	8.5	20	18	7.5	0.25	0	22	1	0.81
	2.021	0.625	-	2.375	3.03	2×3	19.41	4.75	20	18	7.5	0.25	0	22	1	0.81
	2.88	0.875	-	3.375	6.91	2×3	19.41	8.5	20	18	7.5	0.25	0	22	1	0.81
	2.021	0.625	-	2.375	3.03	2×3	19.41	4.75	20	18	7.5	0.25	0	22	1	0.81
	2.88	0.875	-	3.375	6.91	2×3	19.41	8.5	20	18	7.5	0.25	0	22	1	0.81
	2.021	0.625	-	2.375	3.03	2×3	19.41	4.75	20	18	7.5	0.25	0	22	1	0.81

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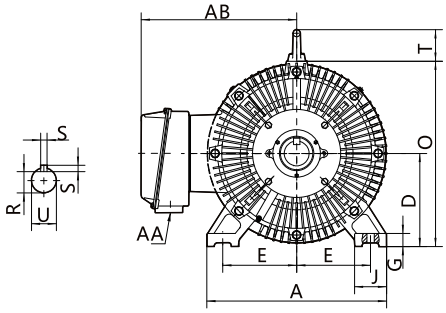
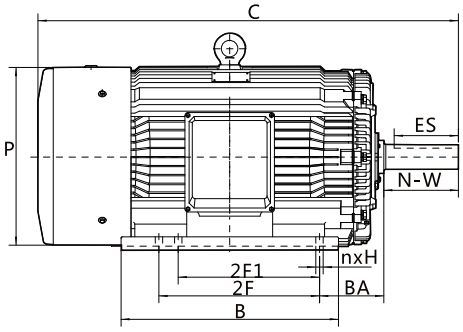
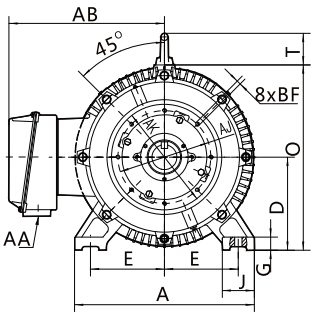




Frame Size 587T, TZ, UZ



Frame Size 587TC, TZC, UZC

Note: when the quantity of the motor mounting hole n=8, there is 2F1*.

Frame Size	Dimensions (inch)												
	max A	max B	C	D	E	nxH	2F	2F1	G	J	N - W	O	P
586/7T	28	33.85	65.6	14.5	11.5	6×1.14	25	22	2.05	5	11.625	28.87	28.15
586/7TZ	28	33.85	68	14.5	11.5	6×1.14	25	22	2.05	5	14	28.87	28.15
586/7UZ	28	33.85	65.6	14.5	11.5	6×1.14	25	22	2.05	5	11.625	28.87	28.15
586/7TC	28	33.85	65.6	14.5	11.5	6×1.14	25	22	2.05	5	11.625	28.87	28.15
586/7TZC	28	33.85	68	14.5	11.5	6×1.14	25	22	2.05	5	14	28.87	28.15
586/7UZC	28	33.85	65.6	14.5	11.5	6×1.14	25	22	2.05	5	11.625	28.87	28.15
586/7TD	28	33.85	65.6	14.5	11.5	6×1.14	25	22	2.05	5	11.625	28.87	28.15
586/7TZD	28	33.85	68	14.5	11.5	6×1.14	25	22	2.05	5	14	28.87	28.15
586/7UZD	28	33.85	65.6	14.5	11.5	6×1.14	25	22	2.05	5	11.625	28.87	28.15

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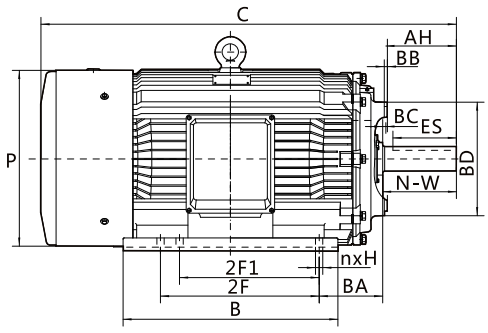
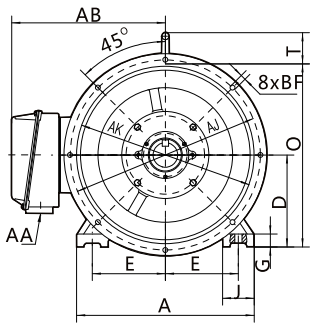
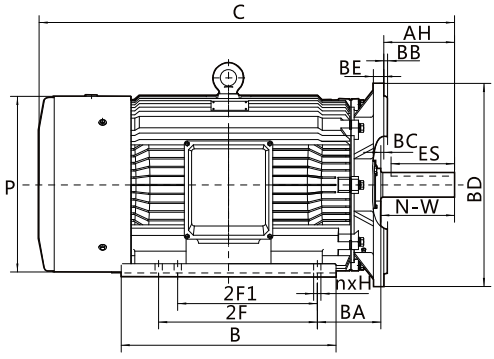




Frame Size 587TC, TZC, UZC



Frame Size 587TD, TZD, UZD

Dimensions (inch)														
	R	S	T	U	min ES	AA	AB	AH	AJ	AK	BA	min BB	BC	max BD	BF
	3.309	1	4.92	3.875	10	2×3	24.5	10	-	-	-	-	-	-	-
	3.309	1	4.92	3.875	10	2×3	24.5	10	-	-	-	-	-	-	-
	3.817	1	4.92	4.375	10	2×3	24.5	10	-	-	-	-	-	-	-
	3.309	1	4.92	3.875	10	2×3	24.5	10	11.625	14.5	16.5	0.236	0	17.91	5/8-11
	3.309	1	4.92	3.875	10	2×3	24.5	10	14	14.5	16.5	0.236	0	17.91	5/8-11
	3.817	1	4.92	4.375	10	2×3	24.5	10	11.625	14.5	16.5	0.236	0	17.91	5/8-11
	3.309	1	4.92	3.875	10	2×3	24.5	10	11.625	30	28	0.197	0	32	0.827
	3.309	1	4.92	3.875	10	2×3	24.5	10	14	30	28	0.197	0	32	0.827
	3.817	1	4.92	4.375	10	2×3	24.5	10	11.625	30	28	0.197	0	32	0.827

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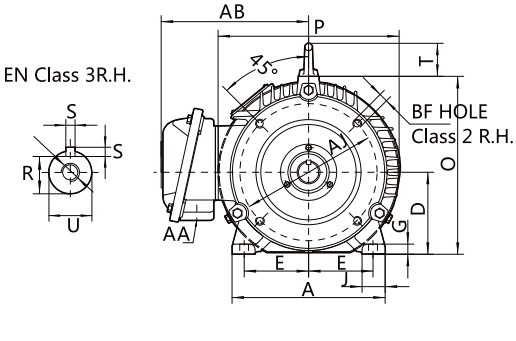
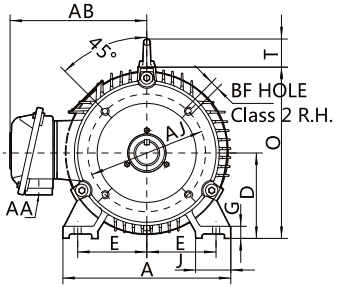
EN Class 3R.H.



Frame Size 143~184JM,JP



Frame Size 213~215JM,JP

Note: when the quantity of the motor mounting hole n=8, there is 2F1*.

Frame Size	Dimensions (inch)																
	max A	max B	C	D	E	nxH	2F	2F1	G	J	O	T	P	AA	AB	AH	AJ
143JM	7	6.5	16.24	3.5	2.75	8×0.34	5	4	0.45	1	7.6	1.42	7.73	3/4	6.5		
145JM	7	6.5	16.24	3.5	2.75	8×0.34	5	4	0.45	1	7.6	1.42	7.73	3/4	6.5		5.875
182JM	9	7.5	18.3	4.5	3.75	8×0.41	5.5	4.5	0.59	1.97	9.5	1.42	9.9	1	8	4.281	
184JM	9	7.5	18.3	4.5	3.75	8×0.41	5.5	4.5	0.59	1.97	9.5	1.42	9.9	1	8	4.219	
213JM	10.5	9	22.07	5.25	4.25	8×0.41	7	5.5	0.748	2.17	10.55	1.73	10.4	1	8.46		
215JM	10.5	10.6	23.56	5.25	4.25	6×0.41	7	5.5	0.748	2.17	10.55	1.73	10.4	1	8.46		7.25
254JM-2	12.5	12.5	26.57	6.25	5	4×0.53	10	8.25	0.787	2.5	12.8	-	12.6	1-1/2	10.43		
254JM-4	12.5	10.6	25.79	6.25	5	4x0.53	8.25	-	0.787	2.5	12.8	-	12.6	1-1/2	10.43		
256JM	12.5	12.5	28.93	6.25	5	8×0.53	10	8.25	0.787	2.5	12.8	-	12.6	1-1/2	10.43	5.281	
284JM	14	14	30.42	7	5.5	4×0.53	9.5	-	0.866	2.76	14.17	-	14.17	1-1/2	11.42	5.219	11
286JM	14	14.7	31.33	7	5.5	8×0.53	11	9.5	0.866	2.76	14.17	-	14.17	1-1/2	11.42		
324JM	16	16.3	33.02	8	6.25	8×0.66	12	10.5	1.18	2.76	15.82	-	15.75	2	14.17		
326JM	16			8	6.25	6×0.66	12	10.5	1.18	2.76	15.82	-	15.75	2	14.17		

Frame Size	Dimensions (inch)																
	max A	max B	C	D	E	nxH	2F	2F1	G	J	O	T	P	AA	AB	AH	AJ
143JP	7	6.5	19.30	3.5	2.75	8×0.34	5	4	0.45	1	7.6	1.42	7.73	3/4	6.5		
145JP	7	6.5	19.30	3.5	2.75	8×0.34	5	4	0.45	1	7.6	1.42	7.73	3/4	6.5	7.343	5.875
182JP	9	7.5	21.36	4.5	3.75	8×0.41	5.5	4.5	0.59	1.97	9.5	1.42	9.9	1	8	7.281	
184JP	9	7.5	21.36	4.5	3.75	8×0.41	5.5	4.5	0.59	1.97	9.5	1.42	9.9	1	8		
213JP	10.5	9	25.95	5.25	4.25	8×0.41	7	5.5	0.748	2.17	10.55	1.73	10.4	1	8.46		
215JP	10.5	10.6	27.44	5.25	4.25	6×0.41	7	5.5	0.748	2.17	10.55	1.73	10.4	1	8.46		
254JP-2	12.5	12.5	29.4	6.25	5	8×0.53	10	8.25	0.787	2.5	12.8	--	12.6	1-1/2	10.43		7.25
254JP-4	12.5	10.6	28.67	6.25	5	4×0.53	8.25	--	0.787	2.5	12.8	--	12.6	1-1/2	10.43		
256JP	12.5	12.5	29.4	6.25	5	8×0.53	10	8.25	0.787	2.5	12.8	--	12.6	1-1/2	10.43	5.281	
284JP	14	12.5	31.81	7	5.5	4×0.53	9.5	--	0.866	2.76	14.17	--	14.17	1-1/2	11.42	5.219	
286JP	14	14	33.30	7	5.5	8×0.53	11	9.5	0.866	2.76	14.17	--	14.17	1-1/2	11.42		
324JP	16	14.7	34.21	8	6.25	8×0.66	12	10.5	1.18	2.76	15.82	--	15.75	2	14.17		11
326JP	16	16.3	35.9	8	6.25	6×0.66	12	10.5	1.18	2.76	15.82	--	15.75	2	14.17		
364JP	18	16.9	37.78	9	7	8×0.66	--	11.25	1.22	2.95	18.13	--	17.7	3	15.15		
365JP	18	18.5	39.36	9	7	6×0.66	12.25	11.25	1.22	2.95	18.13	--	17.7	3	15.15		

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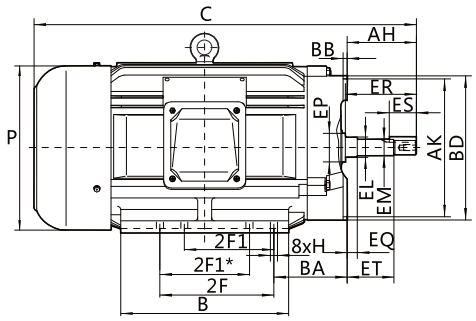
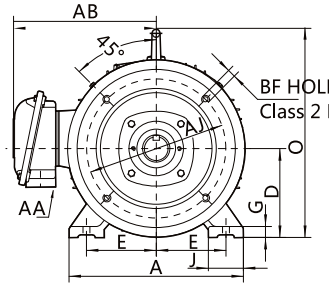
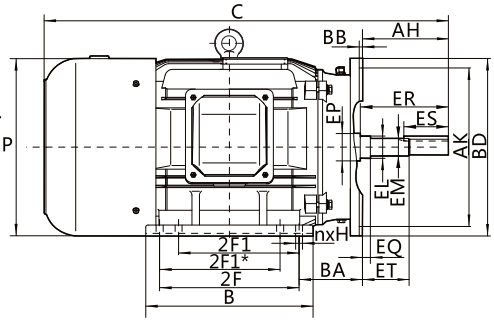


Frame Size 213~215JM,JP





Frame Size 254~326JM
Frame Size 254~365JP

Dimensions (inch)																
	AK	BA	BB	max BD	BF	R	S	U	min ES	EL	EM	EN	EP	EQ	ER min	ET
	4.500/4.497	2.87	0.156/0.125	6.62	3/8-16	0.771-0.756	0.190-0.188	0.8745/0.8740	1.65	1.156/1.154	1.0000/0.9995	3/8-16	1.156	0.640/0.610	4.25	2.890/2.860
		3.62								1.250/1.248			1.250			
	8.500/8.497	4.5	0.312/0.250	9	1/2-13								1.750			
		4.5		10		1.112-1.097	0.252-0.250	1.2495/1.2490	2.53	1.750/1.748	1.3750/1.3745	1/2-13	1.750		5.25	3.015/2.985
	12.500/12.495	5		14	5/8-11								2.125	0.645/0.605		3.020/2.980
		5.5											2.125			

Dimensions (inch)																
	AK	BA	BB	max BD	BF	R	S	U	min ES	EL	EM	EN	EP	EQ	ER min	ET
	4.500/4.497	2.87	0.156/0.125	6.62	3/8-16	0.771-0.756	0.190-0.188	0.8745/0.8740	1.65	1.156/1.154	1.0000/0.9995	3/8-16	1.156	1.578/1.548	3/8-16	5.952/5.922
		3.62								1.250/1.248			1.250			
	8.500/8.497	4.5	0.312/0.250	9	1/2-13								1.750			
		4.5		10		1.112-1.097	0.252-0.250	1.2495/1.2490	2.53	1.750/1.748	1.3750/1.3745	1/2-13	1.750	2.390/2.360	8.125	5.890/5.860
	12.500/12.495	5		14	5/8-11								2.125			
		5.5											2.125	2.395/2.355		5.895/5.855
		6.13				1.416-1.401	0.377-0.375	1.6245/1.6240		2.125/2.123	1.7500/1.7495		2.500			

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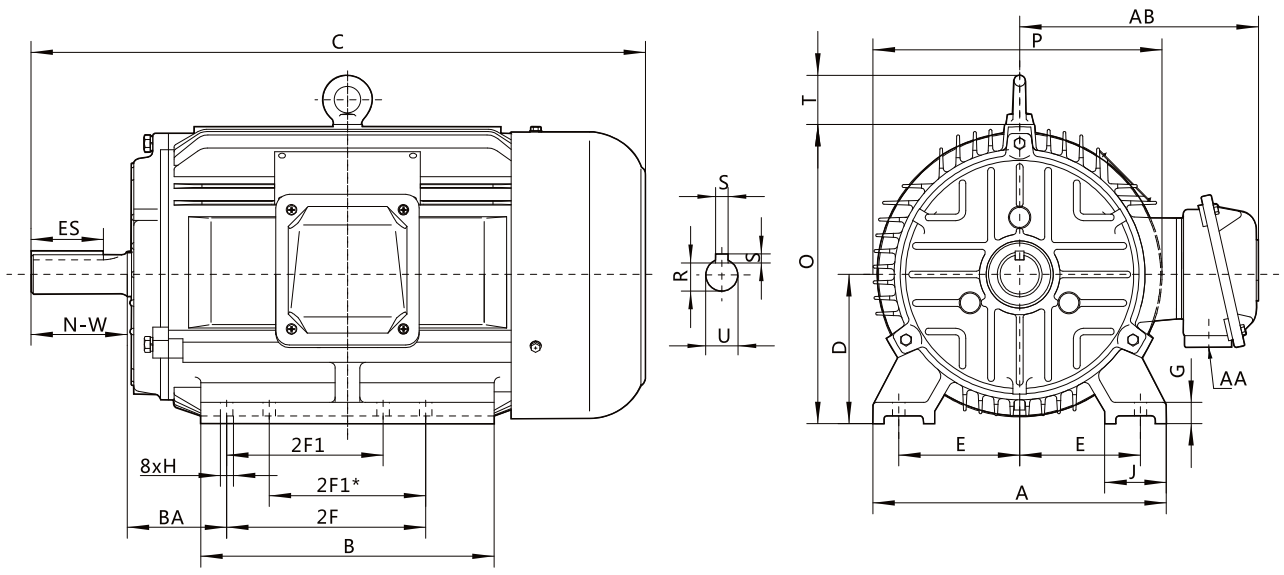
NEMA213~445T Design D Mounting Dimensions (F2)



Frame Size 143~215TD

Frame Size	Dimensions (inch)									
	max A	max B	C	D	E	nxH	2F	2F1	G	J
213T	10.5	7.5	18.66	5.25	4.25	4×0.41	5.5	-	0.748	2.17
215T	10.5	9	20.16	5.25	4.25	8×0.41	7	5.5	0.748	2.17
254T	12.5	10.6	23.26	6.25	5	4×0.53	8.25	-	0.787	2.5
256T	12.5	12.5	25	6.25	5	8×0.53	10	8.25	0.787	2.5
284T	14	12.5	26.65	7	5.5	4×0.53	9.5	-	0.866	2.76
286T	14	14	28.15	7	5.5	8×0.53	11	9.5	0.866	2.76
324T	16	14.7	31.05	8	6.25	8×0.66	12	10.5	1.18	2.76
326T	16	14.7	31.05	8	6.25	8×0.66	12	10.5	1.18	2.76
365T	18	16.9	35.24	9	7	6×0.66	12.25	11.25	1.22	2.95
404T	20	15.35	36.61	10	8	4×0.81	12.25	-	1.18	3.15
405T	20	17	38.03	10	8	8×0.81	13.75	12.25	1.18	3.15
444T	22	18.5	42.5	11	9	4×0.81	14.5	-	1.38	3.35
445T	22	20.5	44.5	11	9	8×0.81	16.5	14.5	1.38	3.35

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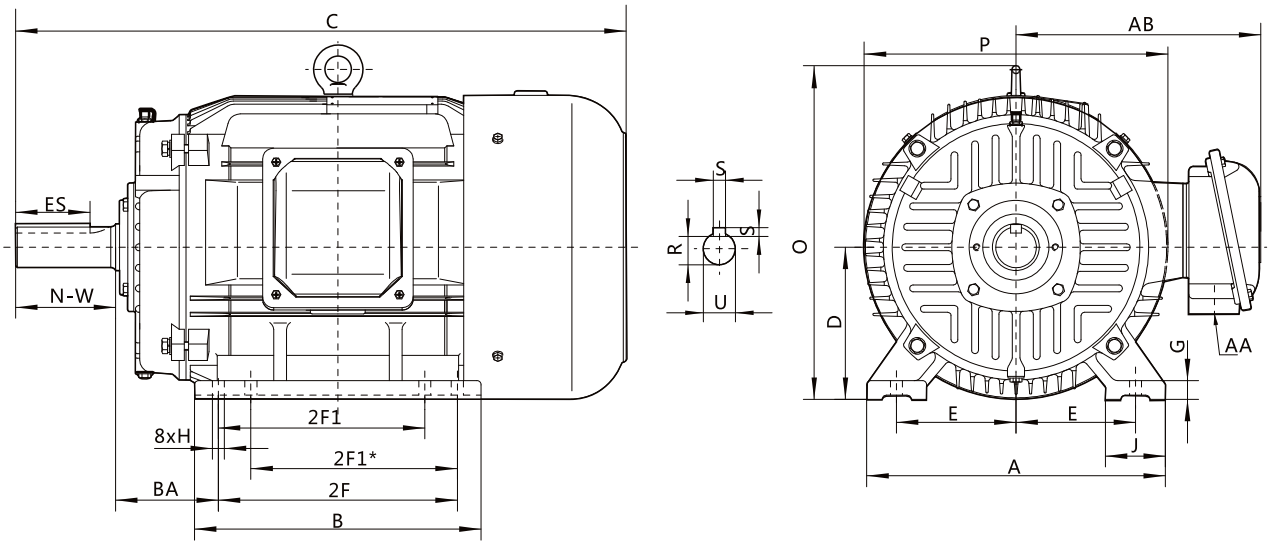

Frame Size 254~445TD

Dimensions (inch)											
	N - W	O	P	R	S	T	U	min ES	AA	AB	BA
	3.38	10.55	10.4	1.201	0.312	1.73	1.375	2.41	1	8.46	3.5
	3.38	10.55	10.4	1.201	0.312	1.73	1.375	2.41	1	8.46	3.5
	4	12.8	12.6	1.416	0.375	-	1.625	2.91	1-1/2	10.43	4.25
	4	12.8	12.6	1.416	0.375	-	1.625	2.91	1-1/2	10.43	4.25
	4.62	14.17	14.17	1.591	0.5	-	1.875	3.28	1-1/2	11.42	4.75
	4.62	14.17	14.17	1.591	0.5	-	1.875	3.28	1-1/2	11.42	4.75
	5.25	15.82	15.75	1.845	0.5	-	2.125	3.91	2	14.17	5.25
	5.25	15.82	15.75	1.845	0.5	-	2.125	3.91	2	14.17	5.25
	5.88	18.13	17.7	2.021	0.625	-	2.375	4.28	3	15.15	5.88
	7.25	21	21.5	2.45	0.75	-	2.875	5.65	3	18.5	6.62
	7.25	21	21.5	2.45	0.75	-	2.875	5.65	3	18.5	6.62
	8.5	22.8	23.43	2.88	0.875	-	3.375	6.91	2×3	19.41	7.5
	8.5	22.8	23.43	2.88	0.875	-	3.375	6.91	2×3	19.41	7.5

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NEMA

Single Phase Rolled Steel ODP Motors

1/3HP thru 10HP 230V 60Hz

Insulation Class F

56 thru 215T
56C thru 215TC

Features

- Service Factor 1.15
- Continuous Duty 40℃ Ambient
- ODP Class F Insulation With Class B Temp Rise
- NEMA Design L
- High Starting Torque and Low Starting Current
- Rolled Steel Construction
- Ball Bearings
- Capacitor Start/Capacitor Run （1/3 thru 10HP）
- Rigid Base

Applications

- Commercial Pumps
- Swimming Pool Pumps
- Fans
- Conveyors
- Air Conditioning Equipment A.K.A HVAC
- Small Machine Tools
- Blowers
- Augers
- Household Electric Appliances
- Equipment Requiring Direct Drive
- High Starting Torque

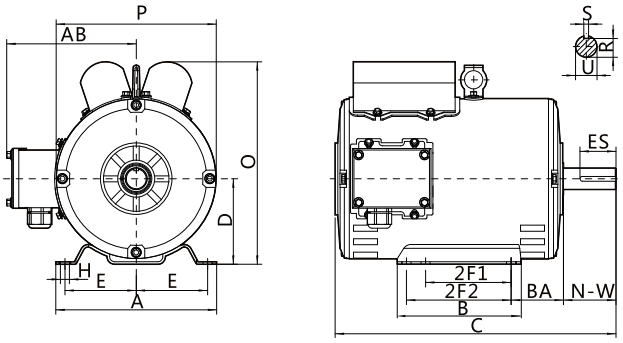

Figure 1 56、56H、182T、184T

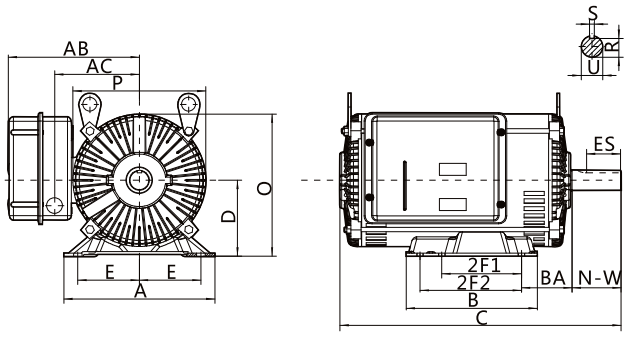

Figure 2 213T、215T

Outline & Installation Dimensions

Frame	A	B	D	H	BA	E	2F1	2F2	AA	AB	AC	T	O	P	N-W	U	S	R	ES
56 56H	6.5	4.15 6.00	3.50	0.34 Slot	2.75	2.44	3.00	- 5.00	0.88	5.65	4.45	-	7.75	6.45	1.88	0.625	0.188	0.517	1.41
182T 184T	8.50	6.50	4.50	0.41	2.75	3.75	4.50	5.50	1.10	6.70	5.40	1.75	9.10	8.35	2.75	1.125	0.250	0.986	1.78
213T 215T	10.45	8.50	5.25	0.41	3.50	4.25	5.50	7.00	1.10	7.50	6.25	1.75	10.65	10.05	3.38	1.375	0.312	1.201	2.41

Capacitor Start/Capacitor Run ODP Motors Technical Data

HP	Sync Speed (r.p.m)	NEMA Frame	Code	Full Load Data				Locked Rotor Current at 230V (A)	Torque		Dim "C" for Feet Mounted	Dim "C" for C Type
				Speed (r.p.m)	Torque LB-FT	Eff (%)	Current at 230V(A)		Locked Rotor LB-FT	Break Down LB-FT		
1/3	3600	56	N	3450	0.51	68.0	1.8	18	1.63	1.03-1.34	11.05	11.05
	1800	56	N	1725	1.02	67.0	1.9	18	3.60	1.97-2.53	11.05	11.05
1/2	3600	56	N	3450	0.75	71.0	2.5	25	2.32	1.34-1.97	11.05	11.05
	1800	56	N	1725	1.50	70.0	2.6	25	5.30	2.53-3.63	11.05	11.05
3/4	3600	56	M	3450	1.12	73.0	3.6	35	3.13	1.97-2.75	11.05	11.05
	1800	56	M	1725	2.24	72.0	3.7	35	7.50	3.63-5.26	11.05	11.05
1	3600	56H	M	3460	1.52	74.0	4.8	45	3.82	2.75-3.63	12.60	12.60
	1800	56H	M	1730	3.04	73.0	4.9	45	9.00	5.26-6.80	12.60	12.60
1 1/2	3600	56H	J	3460	2.24	76.0	6.7	50	4.50	3.63-4.60	12.60	12.60
	1800	56H	J	1730	4.48	75.0	6.9	50	12.50	6.80-10.1	12.60	12.60
2	3600	56H	J	3460	3.05	77.0	9.1	65	5.50	4.50-6.0	12.60	12.60
	1800	56H	J	1730	6.10	77.0	9.2	65	16.00	10.1-13.0	12.60	12.60
3	3600	182T	H	3460	4.48	79.0	13.0	90	7.50	6.0-6.80	15.70	16.45
	1800	182T	H	1740	8.91	80.0	12.9	90	22.00	13.0-19.0	14.50	15.25
5	3600	184T	G	3460	7.53	81.0	20.9	135	11.00	8.60-13.5	15.70	16.45
	1800	184T	G	1740	14.98	82.0	21.0	135	33.00	19.0-30.0	15.70	16.45
7 1/2	3600	213T	G	3460	11.20	81.0	30.8	200	16.00	13.5-20.0	17.75	18.50
	1800	213T	G	1740	22.26	82.0	31.0	200	45.00	30.0-45.0	18.90	19.65
10	3600	215T	G	3460	15.26	82.0	41.5	260	21.00	20.0-27.0	18.90	19.65
	1800	215T	G	1740	30.36	83.0	41.8	260	52.00	45.0-60.0	21.25	22.00

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NEMA

Single Phase Rolled Steel TEFC Motors

1/3HP thru 10HP 230V 60Hz

Insulation Class F

56 thru 215T
56C thru 215TC

Features

- Service Factor 1.15
- Continuous Duty 40℃ Ambient
- TEFC (Totally Enclosed Fan Cooled)
- Class F Insulation With Class B Temp Rise
- NEMA Design L
- High Starting Torque and Low Starting Current
- Rolled Steel Construction
- Ball Bearings
- Capacity Start/Capacitor Run (1/4 thru 10HP)
- Rigid Base
- Manual Overload

Applications

- Commercial Pumps
- Swimming Pool Pumps
- Fans
- Conveyors
- Air Conditioning Equipment A.K.A HVAC
- Small Machine Tools
- Blowers
- Augers
- Household Electric Appliances
- Equipment Requiring Direct drive
- High Starting Torque

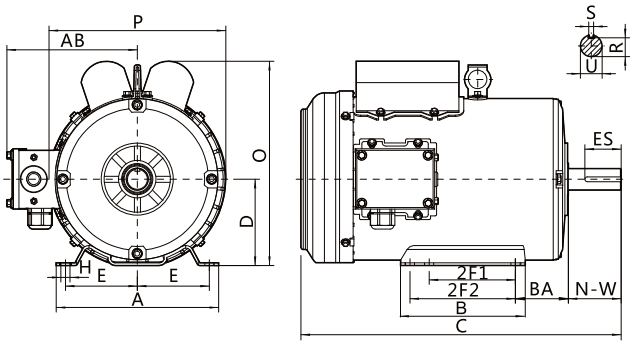

Figure 1 56、56H、182T、184T

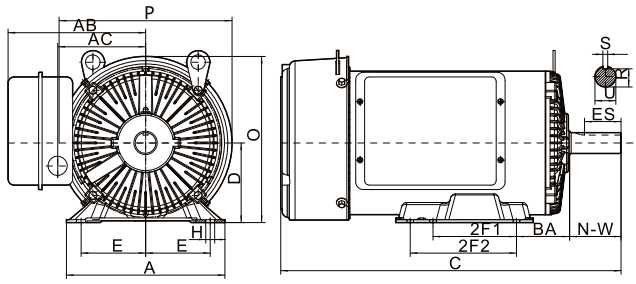

Figure 2 213T、215T

Outline & Installation Dimensions

Frame	A	B	D	H	BA	E	2F1	2F2	AA	AB	AC	T	O	P	N-W	U	S	R	ES
56 56H	6.5	4.15 6.00	3.50	0.34 Slot	2.75	2.44	3.00	- 5.00	0.88	5.65	4.45	-	7.75	7.2	1.88	0.625	0.188	0.517	1.41
182T 184T	8.50	6.50	4.50	0.41	2.75	3.75	4.50	5.50	1.10	6.70	5.40	1.75	9.10	9.70	2.75	1.125	0.250	0.986	1.78
213T 215T	10.45	8.50	5.25	0.41	3.50	4.25	5.50	7.00	1.10	7.50	6.25	1.75	10.65	11.35	3.38	1.375	0.312	1.201	2.41

Capacitor Start/Capacitor Run TEFC Motors Technical Data

HP	Sync Speed (r.p.m)	NEMA Frame	Code	Full Load Data				Locked Rotor Current at 230V (A)	Torque		Dim "C" for Foot Mounted	Dim "C" for C Type
				Speed (r.p.m)	Torque LB-FT	Eff (%)	Current at 230V(A)		Locked Rotor LB-FT	Break Down LB-FT		
1/3	3600	56	N	3450	0.51	68.0	1.8	18	1.63	1.03-1.34	12.25	12.25
	1800	56	N	1725	1.02	67.0	1.9	18	3.60	1.97-2.53	12.25	12.25
1/2	3600	56	N	3450	0.75	71.0	2.5	25	2.32	1.34-1.97	12.25	12.25
	1800	56	N	1725	1.50	70.0	2.6	25	5.30	2.53-3.63	12.25	12.25
3/4	3600	56	M	3450	1.12	73.0	3.6	35	3.13	1.97-2.75	12.25	12.25
	1800	56	M	1725	2.24	72.0	3.7	35	7.50	3.63-5.26	12.25	12.25
1	3600	56H	M	3460	1.52	74.0	4.8	45	3.82	2.75-3.63	13.75	13.75
	1800	56H	M	1730	3.04	73.0	4.9	45	9.00	5.26-6.80	13.75	13.75
1 1/2	3600	56H	J	3460	2.24	76.0	6.7	50	4.50	3.63-4.60	13.75	13.75
	1800	56H	J	1730	4.48	75.0	6.9	50	12.50	6.80-10.1	13.75	13.75
2	3600	56H	J	3460	3.05	77.0	9.1	65	5.50	4.50-6.0	13.75	13.75
	1800	56H	J	1730	6.10	77.0	9.2	65	16.00	10.1-13.0	13.75	13.75
3	3600	182T	H	3460	4.48	79.0	13.0	90	7.50	6.0-6.80	16.95	17.70
	1800	182T	H	1740	8.91	80.0	12.9	90	22.00	13.0-19.0	16.95	17.70
5	3600	184T	G	3460	7.53	81.0	20.9	135	11.00	8.60-13.5	18.35	19.10
	1800	184T	G	1740	14.98	82.0	21.0	135	33.00	19.0-30.0	18.35	19.10
7 1/2	3600	213T	G	3460	11.20	81.0	30.8	200	16.00	13.5-20.0	19.88	20.65
	1800	213T	G	1740	22.26	82.0	31.0	200	45.00	30.0-45.0	21.25	22.00
10	3600	215T	G	3460	15.26	82.0	41.5	260	21.00	20.0-27.0	21.25	22.00
	1800	215T	G	1740	30.36	83.0	41.8	260	52.00	45.0-60.0	23.65	24.40

Above data may vary by Haineng R&D,
Haineng Company Spareserves the right to modify this data at any time and without notice.

MSEJ

Series Asynchronous Three-phase Brake Motors

The brake-motors of the MSEJ series result from coupling an asynchronous three-phase motor and an electromagnetic D.C Brake unit. Due to the advantages of their reliability and operating safety, as well their quick braking(The braking time = 55-180milliseconds).

MSEJ (Ie2) Series ecectric motors (0.75kW~18.5kW) 2 pole, 4 pole or 6 pole, the performance are able to match GB18613-2012 efficiency standards 3 level and IEC60034-30 efficiency standards IE2 level.

FEATURES

- Frame Size: H63~H160
- Rated power range: 0.09KW-18.5KW
- House Material: Aluminium
- Standard Color: MSEJ(IE2)Series are Lotus Leaf green、MSEJ(IE1)Series are Lake Blue
- Standard Installation :IEC60034-7
- Standard Protection Class : IP54/IP55
- Insulation Class: Class B/F

WORKING ENVIRONMENT

- Cooling Method: IC411
- Ambient Temperature: -15~40℃
- Altitude: Under 1000 meters

Technical Data (2 Poles)

Model	Power kW	Full Load												Tst/Tn (Times)	Tmax/Tn (Times)	Tmin/Tn (Times)	Ist/In (Times)	Noise dB(A)
		Current (A)			Current (A)			Current (A)			Speed r.p.m	Power factor Cosφ	Eff %					
		220V	380V	660V	230V	400V	690V	240V	415V	720V								
MSEJ561-2	0.09	0.62	0.36	0.21	0.59	0.34	0.20	0.57	0.33	0.19	2710	0.72	53.0	2.2	2.3	2.0	4.0	58
MSEJ562-2	0.12	0.72	0.42	0.24	0.69	0.39	0.23	0.66	0.38	0.22	2700	0.72	61.0	2.2	2.3	2.0	4.0	58
MSEJ563-2	0.18	1.00	0.58	0.33	0.96	0.55	0.32	0.92	0.53	0.31	2710	0.75	63.0	2.2	2.4	1.6	6.0	61
MSEJ631-2	0.18	1.00	0.58	0.33	0.96	0.55	0.32	0.92	0.53	0.31	2710	0.75	63.0	2.2	2.4	1.6	6.0	61
MSEJ632-2	0.25	1.29	0.75	0.43	1.24	0.71	0.41	1.19	0.69	0.40	2710	0.78	65.0	2.2	2.4	1.6	6.0	61
MSEJ633-2	0.37	1.92	1.11	0.64	1.83	1.05	0.61	1.76	1.02	0.59	2710	0.78	65.0	2.2	2.4	1.6	6.0	62
MSEJ711-2	0.37	1.76	1.02	0.59	1.68	0.97	0.56	1.61	0.93	0.54	2730	0.79	70.0	2.2	2.4	1.6	6.0	64
MSEJ712-2	0.55	2.57	1.49	0.86	2.46	1.42	0.82	2.36	1.36	0.79	2760	0.79	71.0	2.2	2.4	1.6	6.0	64
MSEJ713-2	0.75	3.29	1.90	1.10	3.15	1.81	1.05	3.02	1.74	1.01	2730	0.83	72.1	2.2	2.4	1.5	6.0	65
MSEJ801-2	0.75	3.29	1.90	1.10	3.15	1.81	1.05	3.02	1.74	1.01	2770	0.83	72.1	2.2	2.4	1.5	6.0	67
MSEJ802-2	1.1	4.58	2.65	1.53	4.38	2.52	1.46	4.20	2.43	1.40	2770	0.84	75.0	2.2	2.4	1.5	6.0	67
MSEJ803-2	1.5	6.07	3.51	2.02	5.81	3.34	1.94	5.56	3.22	1.85	2800	0.84	77.2	2.2	2.4	1.5	6.0	70
MSEJ90S-2	1.5	6.07	3.51	2.02	5.81	3.34	1.94	5.56	3.22	1.85	2840	0.84	77.2	2.2	2.4	1.5	6.0	72
MSEJ90L1-2	2.2	8.52	4.93	2.84	8.15	4.69	2.72	7.81	4.52	2.60	2840	0.85	79.7	2.2	2.4	1.4	6.0	72
MSEJ90L2-2	3.0	11.1	6.43	3.70	10.6	6.11	3.54	10.2	5.89	3.39	2840	0.87	81.5	2.2	2.4	1.4	6.0	74
MSEJ100L1-2	3.0	11.1	6.43	3.70	10.6	6.11	3.54	10.2	5.89	3.39	2840	0.87	81.5	2.2	2.3	1.4	7.0	76
MSEJ100L2-2	4.0	14.4	8.31	4.79	13.7	7.90	4.58	13.2	7.61	4.39	2850	0.88	83.1	2.2	2.3	1.4	7.5	77
MSEJ112M-2	4.0	14.4	8.31	4.79	13.7	7.90	4.58	13.2	7.61	4.39	2880	0.88	83.1	2.2	2.3	1.4	7.5	77
MSEJ112L-2	5.5	19.4	11.2	6.46	18.5	10.7	6.17	17.8	10.3	5.92	2880	0.88	84.7	2.2	2.3	1.2	7.5	78
MSEJ132S1-2	5.5	19.4	11.2	6.46	18.5	10.7	6.17	17.8	10.3	5.92	2900	0.88	84.7	2.0	2.2	1.2	7.5	80
MSEJ132S2-2	7.5	26.0	15.1	8.67	24.9	14.3	8.29	23.8	13.8	7.95	2920	0.88	86.0	2.0	2.2	1.2	7.5	80
MSEJ132M1-2	9.2	31.6	18.3	10.5	30.2	17.4	10.1	29.0	16.8	9.66	2930	0.88	86.8	2.0	2.2	1.2	7.5	81
MSEJ132M2-2	11	37.0	21.4	12.3	35.4	20.4	11.8	33.9	19.6	11.3	2930	0.89	87.6	2.0	2.2	1.2	7.5	83
MSEJ160M1-2	11	37.0	21.4	12.3	35.4	20.4	11.8	33.9	19.6	11.3	2940	0.89	87.6	2.0	2.2	1.2	7.5	86
MSEJ160M2-2	15	49.9	28.9	16.6	47.7	27.4	15.9	45.7	26.4	15.2	2940	0.89	88.7	2.0	2.2	1.2	7.5	86
MSEJ160L-2	18.5	60.4	35.0	20.1	57.8	33.2	19.3	55.4	32.0	18.5	2940	0.90	89.3	2.0	2.2	1.1	7.5	86

Model	Brake Model	Brake Torque (Nm)	Brake Rated voltage (W)	Brake Inertia ($kgcm^2$)	No-load Brake Starting Times Per Hour	Operate Time Delay (ms)	Operate Time (ms)	Brake Time (ms)	Noise dB(A)
MSEJ63	K1	6	28	0.15	120	25	38	55	62
MSEJ71	K2	6	28	0.15	120	25	38	55	64
MSEJ80	K3	12	40	0.45	120	33	44	72	68
MSEJ90S	K4	20	45	2	120	45	65	95	73
MSEJ90L	K4	20	45	2	120	45	65	95	73
MSEJ100L	K5	40	60	4.5	120	63	77	120	78
MSEJ112M	K6	60	75	6.3	120	70	82	130	80
MSEJ132S	K7	90	87	15	100	85	80	140	80
MSEJ132M/L	K7	90	87	15	100	85	80	140	80
MSEJ160M	K8	180	105	29	100	97	107	180	86

Above data may vary by Haineng R&D,
Haineng Company Spareserves the right to modify this data at any time and without notice.

Technical Data (4 Poles)

Model	Power kW	Full Load												Tst/Tn (Times)	Tmax/Tn (Times)	Tmin/Tn (Times)	Ist/In (Times)	Noise dB(A)
		Current (A)			Current (A)			Current (A)			Speed r.p.m	Power factor Cosφ	Eff %					
		220V	380V	660V	230V	400V	690V	240V	415V	720V								
MSEJ561-4	0.06	0.56	0.33	0.19	0.54	0.31	0.18	0.52	0.30	0.17	1360	0.56	50.0	2.3	2.4	2.0	4.0	50
MSEJ562-4	0.09	0.77	0.45	0.26	0.74	0.42	0.25	0.71	0.41	0.24	1360	0.59	52.0	2.3	2.4	2.0	4.0	50
MSEJ631-4	0.12	0.95	0.55	0.32	0.91	0.52	0.30	0.87	0.50	0.29	1360	0.64	52.0	2.2	2.4	2.0	4.0	52
MSEJ632-4	0.18	1.28	0.74	0.43	1.22	0.70	0.41	1.17	0.68	0.39	1310	0.65	57.0	2.2	2.4	2.0	4.0	52
MSEJ633-4	0.25	1.66	0.96	0.55	1.58	0.91	0.53	1.52	0.88	0.51	1340	0.66	60.0	2.2	2.2	2.0	4.0	54
MSEJ711-4	0.25	1.52	0.88	0.51	1.45	0.84	0.48	1.39	0.81	0.46	1350	0.72	60.0	2.2	2.4	1.7	6.0	55
MSEJ712-4	0.37	2.02	1.17	0.67	1.93	1.11	0.64	1.85	1.07	0.62	1370	0.74	65.0	2.2	2.4	1.7	6.0	55
MSEJ713-4	0.55	2.92	1.69	0.97	2.79	1.60	0.93	2.67	1.55	0.89	1380	0.75	66.0	2.2	2.4	1.7	6.0	57
MSEJ801-4	0.55	2.87	1.66	0.96	2.75	1.58	0.92	2.63	1.52	0.88	1370	0.75	67.0	2.2	2.4	1.7	6.0	58
MSEJ802-4	0.75	3.59	2.08	1.20	3.44	1.98	1.15	3.29	1.90	1.10	1380	0.76	72.1	2.2	2.4	1.6	6.0	58
MSEJ803-4	1.1	5.00	2.89	1.67	4.78	2.75	1.59	4.58	2.65	1.53	1390	0.77	75.0	2.2	2.4	1.6	6.0	60
MSEJ90S-4	1.1	5.00	2.89	1.67	4.78	2.75	1.59	4.58	2.65	1.53	1400	0.77	75.0	2.2	2.4	1.6	6.0	61
MSEJ90L1-4	1.5	6.45	3.74	2.15	6.17	3.55	2.06	5.92	3.42	1.97	1400	0.79	77.2	2.2	2.4	1.6	6.0	61
MSEJ90L2-4	2.2	8.94	5.18	2.98	8.55	4.92	2.85	8.20	4.74	2.73	1400	0.81	79.7	2.2	2.4	1.5	7.0	63
MSEJ100L1-4	2.2	8.94	5.18	2.98	8.55	4.92	2.85	8.20	4.74	2.73	1420	0.81	79.7	2.2	2.3	1.5	7.0	64
MSEJ100L2-4	3.0	11.8	6.82	3.93	11.3	6.48	3.76	10.8	6.25	3.60	1420	0.82	81.5	2.2	2.3	1.5	7.0	64
MSEJ100L3-4	4.0	15.4	8.92	5.14	14.7	8.47	4.91	14.1	8.17	4.71	1430	0.82	83.1	2.2	2.3	1.5	7.0	65
MSEJ112M-4	4.0	15.4	8.92	5.14	14.7	8.47	4.91	14.1	8.17	4.71	1430	0.82	83.1	2.2	2.2	1.5	7.0	65
MSEJ112L-4	5.5	20.5	11.9	6.84	19.6	11.3	6.55	18.8	10.9	6.27	1440	0.83	84.7	2.2	2.2	1.4	7.0	68
MSEJ132S-4	5.5	20.5	11.9	6.84	19.6	11.3	6.55	18.8	10.9	6.27	1450	0.83	84.7	2.2	2.2	1.4	7.0	71
MSEJ132M-4	7.5	27.2	15.8	9.08	26.1	15.0	8.69	25.0	14.4	8.33	1450	0.84	86.0	2.2	2.2	1.4	7.0	71
MSEJ132L1-4	9.2	33.1	19.2	11.0	31.7	18.2	10.6	30.4	17.6	10.1	1460	0.84	86.8	2.2	2.2	1.4	7.5	74
MSEJ132L2-4	11	39.2	22.7	13.1	37.5	21.6	12.5	36.0	20.8	12.0	1460	0.84	87.6	2.2	2.2	1.4	7.5	74
MSEJ160M-4	11	39.2	22.7	13.1	37.5	21.6	12.5	36.0	20.8	12.0	1460	0.84	87.6	2.2	2.2	1.4	7.0	75
MSEJ160L1-4	15	52.2	30.2	17.4	49.9	28.7	16.6	47.9	27.7	16.0	1460	0.85	88.7	2.2	2.2	1.4	7.5	75
MSEJ160L2-4	18.5	63.2	36.6	21.1	60.5	34.8	20.2	58.0	33.5	19.3	1460	0.86	89.3	2.2	2.2	1.4	7.5	78

Model	Brake Model	Brake Torque (Nm)	Brake Rated voltage (W)	Brake Inertia ($kgcm^2$)	No-load Brake Starting Times Per Hour	Operate Time Delay (ms)	Operate Time (ms)	Brake Time (ms)	Noise dB(A)
MSEJ63	K1	6	28	0.15	120	25	38	55	54
MSEJ71	K2	6	28	0.15	120	25	38	55	58
MSEJ80	K3	12	40	0.45	120	33	44	72	61
MSEJ90S	K4	20	45	2	120	45	65	95	62
MSEJ90L	K4	20	45	2	120	45	65	95	65
MSEJ100L	K5	40	60	4.5	120	63	77	120	66
MSEJ112M	K6	60	75	6.3	120	70	82	130	69
MSEJ132S	K7	90	87	15	100	85	80	140	72
MSEJ132M/L	K7	90	87	15	100	85	80	140	75
MSEJ160M	K8	180	105	29	100	97	107	180	79

Technical Data

(6 Poles)

Model	Power kW	Full Load									Speed r.p.m	Power factor Cosφ	Eff %	Tst/Tn (Times)	Tmax/Tn (Times)	Tmin/Tn (Times)	Ist/In (Times)	Noise dB(A)
		Current (A)			Current (A)			Current (A)										
		220V	380V	660V	230V	400V	690V	240V	415V	720V								
MSEJ 631-6	0.09	0.92	0.53	0.31	0.88	0.51	0.29	0.85	0.49	0.28	840	0.61	42.0	2.0	2.0	1.5	3.5	50
MSEJ 632-6	0.12	1.13	0.65	0.38	1.08	0.62	0.36	1.03	0.60	0.34	850	0.62	45.0	2.0	2.0	1.5	3.5	50
MSEJ 711-6	0.18	1.28	0.74	0.43	1.22	0.70	0.41	1.17	0.68	0.39	880	0.66	56.0	1.6	1.7	1.5	4.0	52
MSEJ 712-6	0.25	1.66	0.96	0.55	1.59	0.91	0.53	1.52	0.88	0.51	900	0.67	59.0	2.1	2.2	1.5	4.0	52
MSEJ 713-6	0.37	2.31	1.34	0.77	2.21	1.27	0.74	2.11	1.22	0.70	890	0.69	61.0	2.0	2.1	1.5	4.0	54
MSEJ 801-6	0.37	2.24	1.30	0.75	2.14	1.23	0.71	2.05	1.19	0.68	900	0.70	62.0	1.9	1.9	1.5	4.0	56
MSEJ 802-6	0.55	2.99	1.73	1.00	2.86	1.65	0.95	2.74	1.59	0.91	900	0.72	67.0	2.0	2.3	1.5	4.0	56
MSEJ 803-6	0.75	3.91	2.26	1.30	3.74	2.15	1.25	3.58	2.07	1.19	900	0.72	70.0	2.0	2.3	1.5	4.0	58
MSEJ 90S-6	0.75	3.91	2.26	1.30	3.74	2.15	1.25	3.58	2.07	1.19	920	0.72	70.0	2.2	2.2	1.5	5.5	59
MSEJ 90L1-6	1.1	5.42	3.14	1.81	5.19	2.98	1.73	4.97	2.88	1.66	925	0.73	72.9	2.2	2.2	1.3	5.5	59
MSEJ 90L2-6	1.5	6.98	4.04	2.33	6.68	3.84	2.23	6.40	3.70	2.13	925	0.75	75.2	2.2	2.2	1.3	5.5	60
MSEJ 100L1-6	1.5	6.98	4.04	2.33	6.68	3.84	2.23	6.40	3.70	2.13	945	0.75	75.2	2.2	2.2	1.3	6.0	61
MSEJ 100L2-6	2.2	9.78	5.66	3.26	9.35	5.38	3.12	8.96	5.18	2.99	950	0.76	77.7	2.2	2.2	1.3	6.0	63
MSEJ 112M-6	2.2	9.78	5.66	3.26	9.35	5.38	3.12	8.96	5.18	2.99	955	0.76	77.7	2.2	2.2	1.3	6.0	64
MSEJ 112L-6	3.0	13.0	7.53	4.33	12.4	7.15	4.14	11.9	6.89	3.97	950	0.76	79.7	2.2	2.2	1.3	6.0	64
MSEJ 132S-6	3.0	13.0	7.53	4.33	12.4	7.15	4.14	11.9	6.89	3.97	960	0.76	79.7	2.0	2.0	1.3	6.5	64
MSEJ 132M1-6	4.0	17.0	9.82	5.66	16.2	9.33	5.41	15.6	9.00	5.18	960	0.76	81.4	2.0	2.0	1.3	6.5	68
MSEJ 132M2-6	5.5	22.6	13.1	7.52	21.6	12.4	7.19	20.7	12.0	6.89	960	0.77	83.1	2.0	2.0	1.3	6.5	68
MSEJ 132L-6	7.5	30.2	17.5	10.1	28.9	16.6	9.62	27.7	16.0	9.22	960	0.77	84.7	2.0	2.0	1.3	6.5	68
MSEJ160M-6	7.5	30.2	17.5	10.1	28.9	16.6	9.62	27.7	16.0	9.22	960	0.77	84.7	2.0	2.2	1.3	6.5	68
MSEJ 160L-6	11	42.8	24.8	14.3	41.0	23.6	13.7	39.3	22.7	13.1	960	0.78	86.4	2.0	2.2	1.2	6.5	73

Model	Brake Model	Brake Torque (Nm)	Brake Rated voltage (W)	Brake Inertia ($kgcm^2$)	No-load Brake Starting Times Per Hour	Operate Time Delay (ms)	Operate Time (ms)	Brake Time (ms)	Noise dB(A)
MSEJ63	K1	6	28	0.15	120	25	38	55	51
MSEJ71	K2	6	28	0.15	120	25	38	55	55
MSEJ80	K3	12	40	0.45	120	33	44	72	59
MSEJ90S	K4	20	45	2	120	45	65	95	60
MSEJ90L	K4	20	45	2	120	45	65	95	61
MSEJ100L	K5	40	60	4.5	120	63	77	120	64
MSEJ112M	K6	60	75	6.3	120	70	82	130	65
MSEJ132S	K7	90	87	15	100	85	80	140	68
MSEJ132M/L	K7	90	87	15	100	85	80	140	68
MSEJ160M	K8	180	105	29	100	97	107	180	73

Above data may vary by Haineng R&D,
Haineng Company Spareserves the right to modify this data at any time and without notice.

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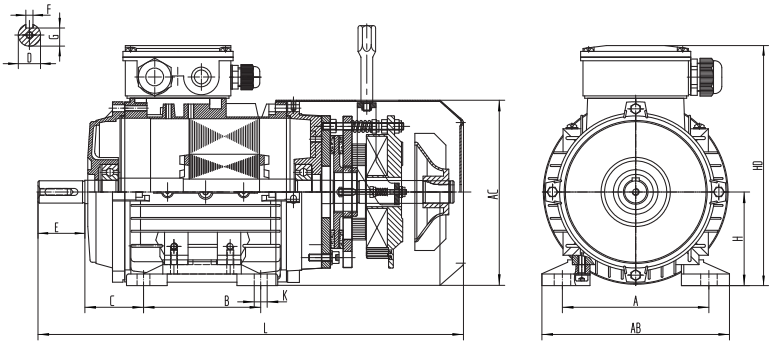

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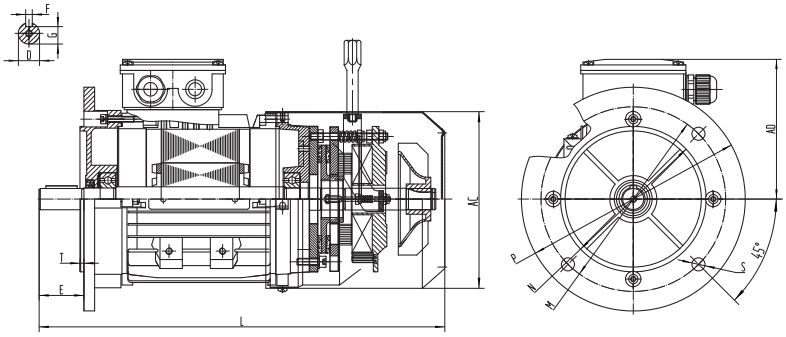

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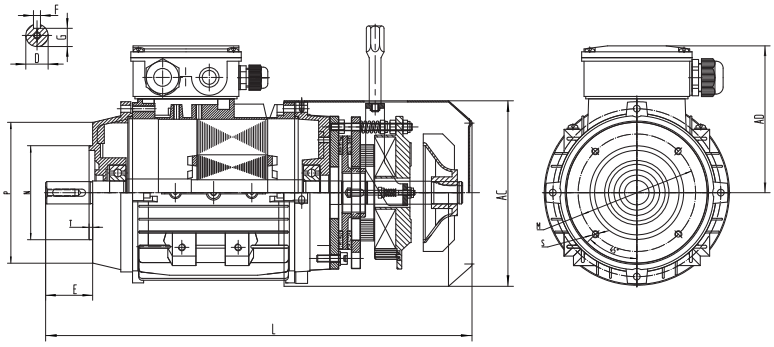
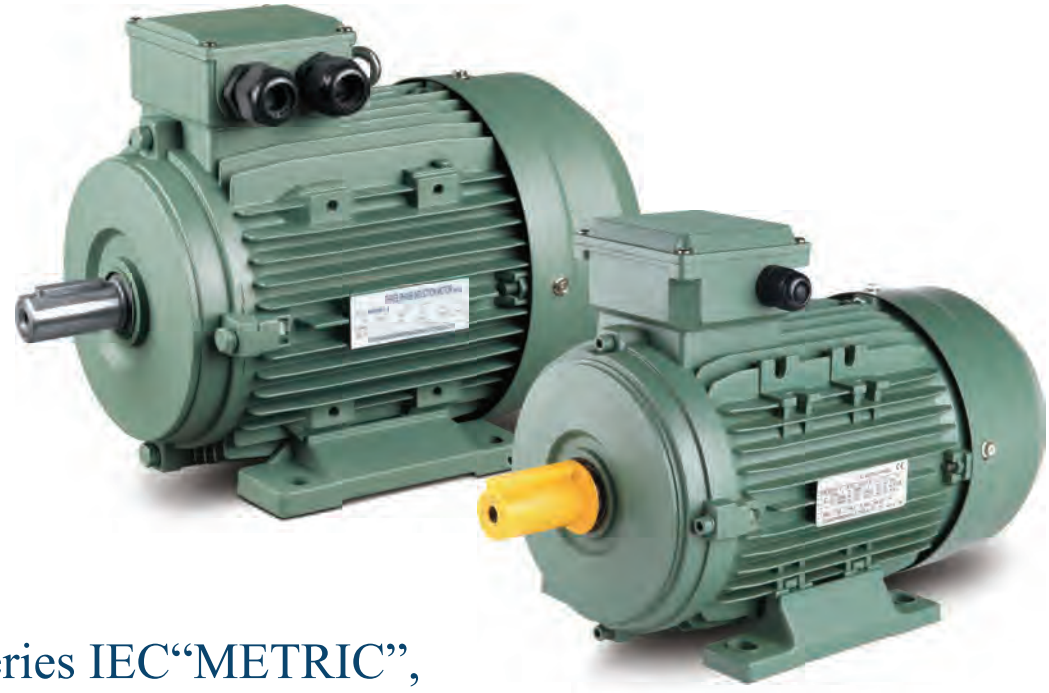


Outline & Installation Dimensions

Frame Size	Installation Size(mm)							Installation Size(mm) IMB15					Installation Size(mm) IMB14					Overall Dimension (mm)						
	A	B	C	D	E	F	G	M	N	P	S	T	M	N	P	S	T	H	K	AB	AC	AD	HD	L
MSEJ63	100	80	40	11	23	4	8.5	115	95	140	10	3	75	60	90	M5	2.5	63	7	121	123	99	162	264
MSEJ71	112	90	45	14	30	5	11	130	110	160	10	3.5	85	70	105	M6	2.5	71	7	131	140	107	178	302.5
MSEJ80	125	100	50	19	40	6	15.5	165	130	200	12	3.5	100	80	120	M6	3	80	10	160	158	125	205	344
MSEJ90S	140	100	56	24	50	8	20	165	130	200	12	3.5	115	95	140	M8	3	90	10	175	176	131.5	221.5	364
MSEJ90M	140	100/125	56	24	50	8	20	165	130	200	12	3.5	115	95	140	M8	3	90	10	175	176	131.5	221.5	388
MSEJ90L	140	125	56	24	50	8	20	165	130	200	12	3.5	115	95	140	M8	3	90	10	175	176	131.5	221.5	419
MSEJ100	160	140	63	28	60	8	24	215	180	250	15	4	130	110	160	M8	3.5	100	12	198	195	141.5	241.5	456
MSEJ112	190	140	70	28	60	8	24	215	180	250	15	4	130	110	160	M8	3.5	112	12	219	223	168	285	480
MSEJ132S	216	140	89	38	80	10	33	265	230	300	15	4	165	130	200	M10	4	132	12	254	259	186.5	218.5	513
MSEJ132M	216	178	89	38	80	10	33	265	230	300	15	4	165	130	200	M10	4	132	12	254	259	186.5	218.5	577
MSEJ160M	254	210	108	42	110	12	37	300	250	350	19	5	215	180	250	M12	4	160	15	292	313	230	390	720.5
MSEJ160L	254	254	108	42	110	12	37	300	250	350	19	5	215	180	250	M12	4	160	15	292	313	230	390	720.5



MSM Series IEC“METRIC”, NEMA Efficiency motor, E-PACT & Premiume 60HZ

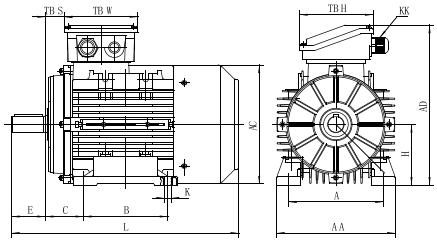
Features

- Energy savings, high efficiency
- High starting torque, lower starting current
- Versatile and easy to modify design adapts to a variety of applications
- Removable feet
- Option of terminal box location (top, left or right)
- Option of IE2, IE3, MEPS High and Premium Efficiency for IEC standards + NEMA EPACT and Premium Efficiency
- Contained total length is the same as or shorter than the current market standard
- Full use of the magnetization properties of cold rolled silicone steel in which the statorlaminations are magnetized evenly to reduce temperature rise of the winding

Applications

- Pumps
- Waste water treatment plants
- Air compressors, fans
- Gear reducers and power transmission
- Pulp and paper mills
- Steel mill
- Conveyors, elevators
- Should be "Material handling equipment”
- Agricultural application
- Mining equipment
- Hydraulic equipment

IMB3



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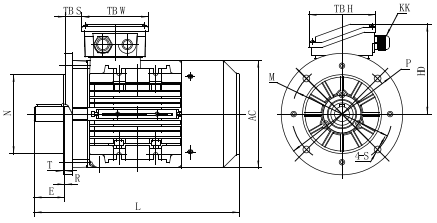

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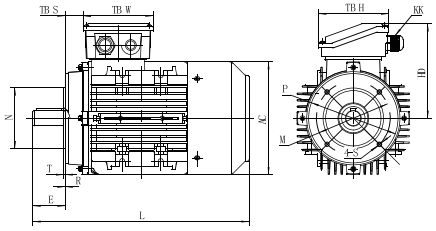

Technical Data

IEC Frame-NEMA EPACT Efficiency Motors Technical Data (at 60Hz)

Model	Power		Current(A)			Speed	Eff.	Power factor	Tst/Tn	Tmax/Tn	Tmin/Tn	Ist/In	Inertia
IEC	(HP)	(kW)	230V	460V	575V	(r/min)	(%)	(cosϕ)	(Times)	(Times)	(Times)	(Times)	kg*m²
MSME2 801-2	1	0.75	3.24	1.62	1.30	3480	75.5	0.77	2.2	3.2	2.2	5.9	0.000896
MSME2 802-2	1.5	1.1	4.13	2.07	1.65	3480	82.5	0.81	3.5	3.6	2.6	8.4	0.001124
MSME2 90S-2	2	1.5	5.47	2.73	2.19	3510	84	0.82	3.3	3.7	1.7	9.2	0.001856
MSME2 90L-2	3	2.2	7.78	3.89	3.11	3510	85.5	0.83	3.3	3.8	2.3	9.6	0.002306
MSME2 100L1-2	4	3	9.78	4.89	3.91	3510	87.5	0.88	4.1	4.7	3.1	10.8	0.004842
MSME2 112M1-2	5.5	4	12.8	6.38	5.10	3500	87.5	0.9	2.9	3.9	2.2	9.5	0.006311
MSME2 132S1-2	7.5	5.5	17.1	8.57	6.86	3520	88.5	0.91	2.2	3.6	1.4	9	0.013950
MSME2 132S2-2	10	7.5	22.9	11.4	9.15	3530	89.5	0.92	3.1	4.1	1.7	10.8	0.017735
MSME2 160M1-2	15	11	34.4	17.2	13.8	3550	90.2	0.89	3	3.4	1.7	9.4	0.050092
MSME2 160M2-2	20	15	46.4	23.2	18.6	3550	90.2	0.9	2.9	3.1	1.6	8.9	0.059613
MSME2 160L-2	25	18.5	56.1	28.0	22.4	3550	91	0.91	3	3.3	1.8	9.6	0.069401
MSME2 802-4	1	0.75	3.36	1.68	1.34	1740	82.5	0.68	3.4	3.7	2.9	7.1	0.001928
MSME2 90S-4	1.5	1.1	4.63	2.31	1.85	1740	84	0.71	3.2	3.6	2.7	7.2	0.003342
MSME2 90L1-4	2	1.5	5.98	2.99	2.39	1730	84	0.75	3	3.1	2.3	7.2	0.003852
MSME2 100L1-4	3	2.2	7.79	3.90	3.12	1750	87.5	0.81	2.3	3.7	2.3	9.1	0.009084
MSME2 100L2-4	4	3	10.37	5.18	4.15	1750	87.5	0.83	2.7	3.7	2.2	9	0.010403
MSME2 112M1-4	5.5	4	13.8	6.91	5.53	1740	87.5	0.83	2.3	3.3	2.2	8.3	0.012197
MSME2 132S-4	7.5	5.5	18.4	9.18	7.35	1760	89.5	0.84	2	3.5	1.9	9.1	0.030593
MSME2 132M1-4	10	7.5	24.5	12.2	9.78	1760	89.5	0.86	2.7	3.4	1.6	9.3	0.037145
MSME2 160M-4	15	11	36.1	18.1	14.4	1760	91	0.84	2.6	2.8	1.6	7.8	0.089674
MSME2 160L1-4	20	15	48.7	24.3	19.5	1760	91	0.85	2.7	2.7	1.6	7.8	0.105640
MSME2 90S-6	1	0.75	3.51	1.76	1.41	1145	80	0.67	2.2	2.6	2.1	5	0.003668
MSME2 100L0-6	1.5	1.1	5.47	2.74	2.19	1170	85.5	0.59	3.3	4	2.6	7	0.009137
MSME2 100L1-6	2	1.5	6.50	3.25	2.60	1160	86.5	0.67	3.3	3.8	3	6.9	0.011529
MSME2 112M-6	3	2.2	9.02	4.51	3.61	1170	87.5	0.7	2.6	3.2	2	6.9	0.019910
MSME2 132S-6	4	3	12.0	5.98	4.78	1170	87.5	0.72	2	2.8	1.7	6.3	0.035478
MSME2 132M1-6	5.5	4	15.7	7.86	6.29	1170	87.5	0.73	2.2	2.8	1.7	6.6	0.038925
MSME2 132M2-6	7.5	5.5	20.8	10.4	8.34	1170	89.5	0.74	2.4	3	1.9	7.3	0.059008
MSME2 160M-6	10	7.5	27.0	13.5	10.8	1160	89.5	0.78	2.2	2.8	1.8	7	0.101417
MSME2 160L-6	15	11	39.2	19.6	15.7	1170	90.2	0.78	2.3	2.9	1.8	7.2	0.128267

IEC Frame-NEMA Premium Efficiency Motors Technical Data (at 60Hz)

Model	Power		Current(A)			Speed	Eff.	Power factor	Tst/Tn	Tmax/Tn	Tmin/Tn	Ist/In	Inertia
IEC	(HP)	(kW)	230V	460V	575V	(r/min)	(%)	(cosϕ)	(Times)	(Times)	(Times)	(Times)	kg*m²
MSME3 801-2	1	0.75	3.13	1.57	1.25	3490	77	0.78	2.7	3.1	1.5	7.3	0.000896
MSME3 802-2	1.5	1.1	4.11	2.05	1.64	3510	84	0.8	3.8	4.1	2.6	9.7	0.001275
MSME3 90S-2	2	1.5	5.18	2.59	2.07	3500	85.5	0.85	2.9	3.3	2	9.1	0.001966
MSME3 90L-2	3	2.2	7.34	3.67	2.94	3490	86.5	0.87	2.7	3.3	1.6	8.4	0.002416
MSME3 100L1-2	4	3	9.56	4.78	3.82	3520	88.5	0.89	4.9	4.7	2.4	11.9	0.005197
MSME3 112M1-2	5.5	4	12.6	6.30	5.04	3520	88.5	0.9	3.2	4	2.4	10.9	0.006893
MSME3 132S1-2	7.5	5.5	17.0	8.48	6.78	3520	89.5	0.91	2.6	3.6	1.7	9.6	0.015212
MSME3 132S2-2	10	7.5	22.7	11.3	9.08	3520	90.2	0.92	2.5	3.5	1.4	8.7	0.018996
MSME3 132M-2	15	11	33.0	16.5	13.2	3530	91	0.92	3.5	4.7	0.8	11.5	0.023511
MSME3 160M1-2	15	11	33.7	16.9	13.5	3550	91	0.9	2.7	3.3	0.9	8.8	0.053901
MSME3 160M2-2	20	15	45.5	22.7	18.2	3550	91	0.91	3	3.3	1.4	9.6	0.065326
MSME3 160L-2	25	18.5	55.7	27.8	22.3	3550	91.7	0.91	3.3	3.4	1.5	10.2	0.077018
MSME3 802-4	1	0.75	3.06	1.53	1.22	1740	85.5	0.72	2.7	3	2.3	6.7	0.002285
MSME3 90S-4	1.5	1.1	4.37	2.19	1.75	1740	86.5	0.73	3.6	3.7	2.6	7.7	0.003842
MSME3 90L-4	2	1.5	5.65	2.83	2.26	1740	86.5	0.77	3	3.2	2.1	7.8	0.004685
MSME3 100L1-4	3	2.2	7.71	3.86	3.09	1760	89.5	0.8	3	4	2.4	9.5	0.009743
MSME3 100L2-4	4	3	10.65	5.33	4.26	1750	89.5	0.79	3.4	4.1	2.9	9.3	0.011063
MSME3 112M1-4	5.4	4	13.2	6.60	5.28	1750	89.5	0.85	2.8	3.5	2.2	8.9	0.015292
MSME3 132S-4	7.5	5.5	17.9	8.96	7.17	1770	91.7	0.84	2.6	4	1.9	10.1	0.038335
MSME3 132M1-4	10	7.5	23.9	11.9	9.55	1760	91.7	0.86	3.1	3.8	1.7	10.3	0.046178
MSME3 160M-4	15	11	36.0	18.0	14.4	1770	92.4	0.83	3.1	3.1	2	9	0.105373
MSME3 160L1-4	20	15	47.6	23.8	19.1	1770	93	0.85	3.2	3	2	8.9	0.137038
MSME3 90S-6	1	0.75	3.26	1.63	1.30	1145	82.5	0.7	2.3	2.7	2.1	5.2	0.004472
MSME3 100L0-6	1.5	1.1	4.93	2.47	1.97	1175	87.5	0.64	3	3.6	2.4	7.1	0.011529
MSME3 100L1-6	2	1.5	6.65	3.32	2.66	1170	88.5	0.64	2.9	3.9	2.8	7.2	0.013124
MSME3 112M-6	3	2.2	8.94	4.47	3.58	1175	89.5	0.69	3.2	3.7	2.2	7.9	0.025870
MSME3 132S-6	4	3	12.0	6.01	4.81	1175	89.5	0.7	2.6	3.2	1.9	7.1	0.048867
MSME3 132M1-6	5.5	4	14.8	7.38	5.90	1170	89.5	0.76	2.3	2.9	1.6	7.3	0.053987
MSME3 132M2-6	7.5	5.5	20.2	10.1	8.09	1170	91	0.75	3.4	3.5	1.9	8.8	0.079091
MSME3 160M-6	10	7.5	27.6	13.8	11.0	1180	91	0.75	3.1	3.7	1.7	8.4	0.128267
MSME3 160L-6	15	11	40.7	20.3	16.3	1180	91.7	0.74	3.1	3.7	1.7	8.5	0.177635

Above data may vary by Haineng R&D,
Haineng Company Spareserves the right to modify this data at any time and without notice.

HYD

Series Hollow Shaft Motors

HYD series Motors for high pressure pumps with hollow shafts and single bearings are designed for direct coupling. This provides a perfect match between the electric motor and the majority of hydraulic pumps. This system makes sure that the alignment between the two rotating assemblies is perfect. Not only is this method cost effective, it also reduces downtime and has a small footprint. These motors are designed to allow interchangeability and ease of installation. In conclusion, these motors guarantee high performance, reliability and efficiency.

Standard Manufacturing	Rated voltage	230V 50Hz (single phase) - 230/400V 50Hz (three phase) - 400/690V 50Hz (three phase)	
	Duty	S1	
	Cooling	Self ventilation	
	Room Temperature	40°	
	Appliance Class	F	
	Copper wire	Class H enamel and tropicalised varnish impregnation	
	Aluminium Frame	Extruded Aluminium, removable feet	Die-cast Aluminium, fixed feet
	Flange	Hollow shaft	
	Assembly Arrangement	Top terminal box	
	IP Code	IP54	
	Terminal box	Two components ABS	One component aluminium
	Lifting	Eyebolt starting from M112	
	Bearing	1ZZ	
	Painting	Black RAL 9005	
	Fan cover	Steel Zinc Plated	
	Cable glands	M80 - n°1 M20x1,5 M90L - n°1 M20x1,5 M100 - n°1 M25x1,5 M112 - n°1 M25x1,5 M132 - n°1 M25x1,5	

Electric data - 230V 50Hz-single phase; 400V 50Hz- three phase

NAME	SIZE	Pn		n	In	Cosφ	η	Mn	Mm/Mn	Ms/Mn	Is/In	J	Weight
		kW	Hp	min^{-1}	A		%	Nm				10^{-3} Kgm^2	Kg
2 Poles Single phase													
HYD-010	P80	1,85	2,5	2800	11,6	0,940	73	6,34	1,7	0,44	3,8	1,30	7,5
HYD-015	P90L	2,2	3,0	2870	12,2	0,980	80	7,32	2,0	0,62	4,8	2,11	17
4 Poles Single phase													
HYD-020	E90L	2,2	3	1370	14,1	0,950	71,5	15,34	1,6	0,4	2,8	3,70	19
HYD-030	P100	2,2	3	1400	14,3	0,940	71,2	15,01	1,7	0,46	3,3	5,97	23
HYD-035	P100	3,0	4,0	1365	18,3	0,750	74,5	21,02	1,6	0,5	3,2	6,67	24
2 Poles Three phase													
HYD-040	E90L	4	5,5	2860	8,7	0,784	84,3	13,36	3,3	3,3	7,9	2,24	19
4 Poles Three phase													
HYD-047	P90L	1,1	1,5	1420	2,8	0,800	73,3	7,4	2,5	2,5	4,3	2,27	13
HYD-048	P90L	1,5	2,0	1430	4,0	0,700	77,3	10,0	3,2	3,4	5,3	2,90	15
HYD-049	P90L	2,2	3,0	1400	5,3	0,790	78,0	15,0	2,7	3,0	5,0	3,64	19
HYD-050	E90L	2,6	3,5	1420	6,7	0,695	81,0	19,0	2,7	2,7	5,0	3,92	19
HYD-055	P100	2,2	3,0	1430	5,2	0,730	83,3	14,7	3,0	2,8	5,9	4,66	23
HYD-060	P100	3,0	4,0	1420	6,7	0,800	82,0	20,0	2,5	2,6	5,1	5,49	23
HYD-070	P100	4,0	5,5	1400	9,2	0,773	81,1	27,3	2,9	2,5	5,2	6,28	25
HYD-075	E100	4,0	5,5	1400	9,2	0,773	81,1	27,3	2,9	2,5	5,2	6,28	25
HYD-080	P112	4,0	5,5	1450	9,0	0,770	84,0	26,0	2,8	3,2	5,9	7,06	28
HYD-090	P112	5,5	7,5	1440	12,1	0,785	83,0	36,5	2,9	2,0	5,3	11,40	32
HYD-095	P112	6,3	8,5	1420	14,2	0,790	81,4	42,4	2,6	2,3	5,5	12,50	36
HYD-100	E112B	6,6	9,0	1445	14,7	0,760	85,0	43,6	3,1	3,1	6,8	14,20	40
HYD-110	E112B	7,5	10,0	1440	16,9	0,744	86,6	49,7	3,0	2,3	5,8	14,19	40
HYD-120	E132BSc	7,5	10,0	1440	16,9	0,744	86,6	49,7	3,0	2,3	5,8	14,19	40
HYD-130	P132S	7,5	10,0	1425	16,2	0,792	84,4	50,3	2,3	2,5	6,9	15,69	44
HYD-140	P132M	9,2	12,5	1445	18,2	0,830	88,0	60,8	2,9	2,9	6,3	31,03	48
HYD-150	P132M	11,0	15,0	1440	22,7	0,780	89,6	72,7	2,5	2,5	5,3	34,15	58

Above data may vary by Haineng R&D,
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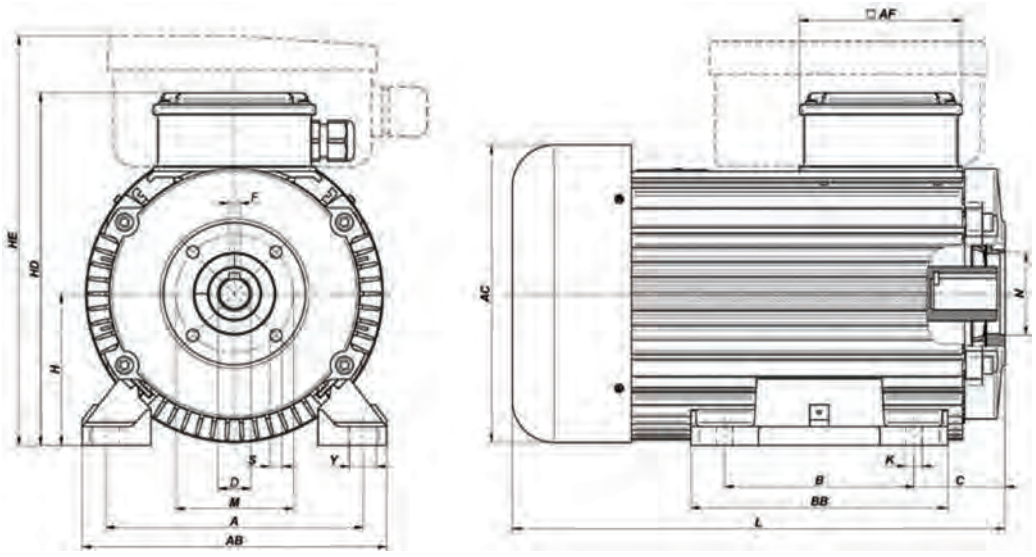
Extruded aluminium

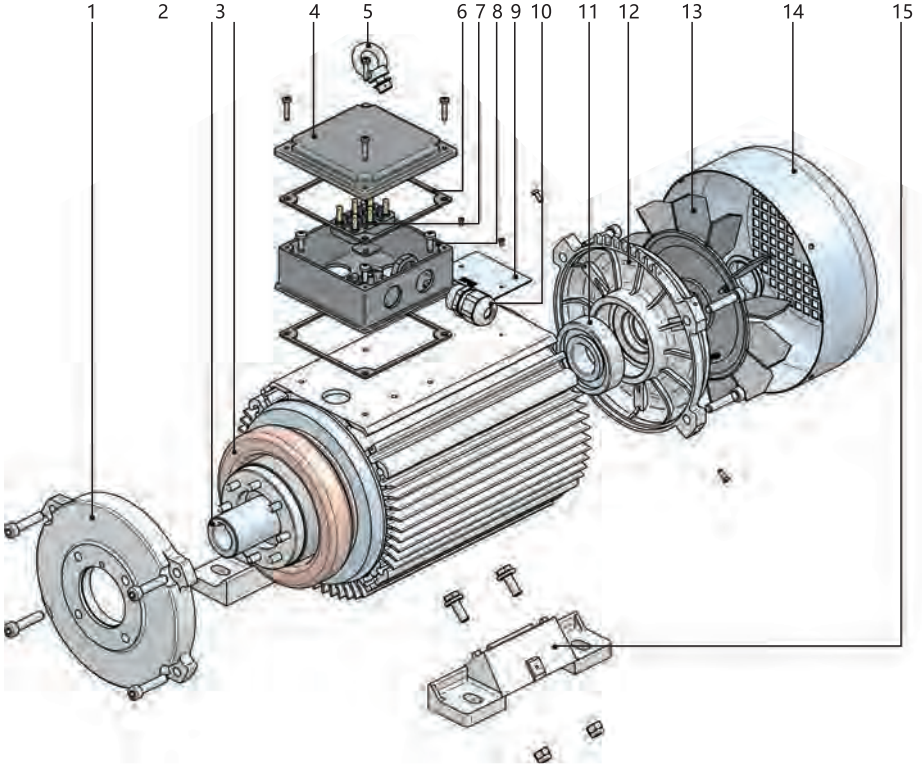


Technical Data

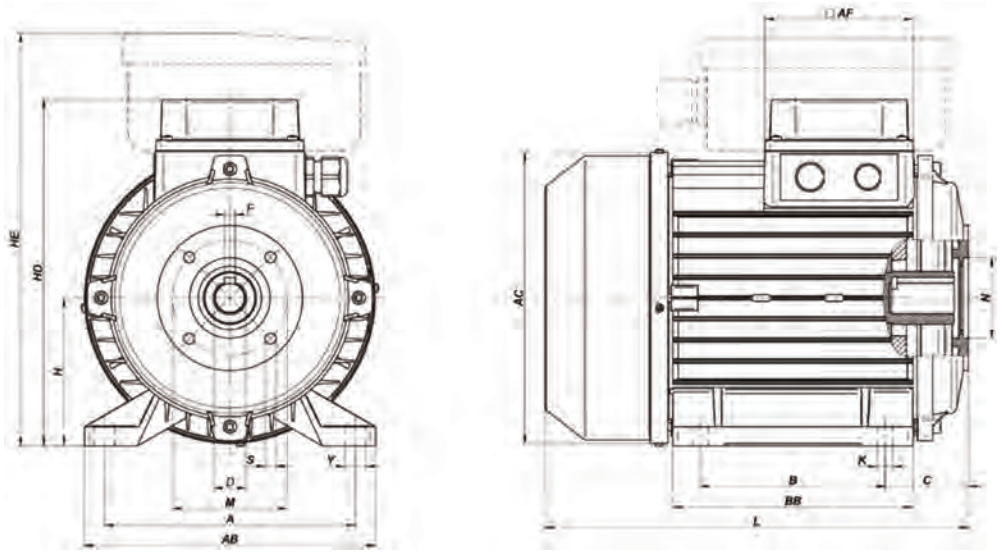
Frame size	EXTRUDED ALUMINIUM																	
	A	AB	AC	AF	B	BB	C	D	F	H	HD	HE*	L	M	N	S	K	Y
E90L	140	166	176	102	125	150	59,5	24	8	90	213	223	290	75	90	7	9	15
E100	160	196	197	102	140	180	62,5	24	8	100	235		307	87	61	9	12	20
E112B	190	225	220	120	140	190	67,5	24	8	112	261		364	87	61	9	12	20
E132BSc	216	263	220	120	140	190	84	24	8	132	281		364	87	61	9	12	20

* Applicable to single phase motors

1	Hollow shaft flange
2	Shaft with rotor
3	Stator assembly
4	Terminal box cover
5	Eyebolt
6	Gasket
7	Terminal board
8	Terminal box
9	Name plate
10	Cable gland
11	Bearing
12	Rear Shield
13	Cooling fan
14	Fan cover
15	Foot



Die-cast aluminium

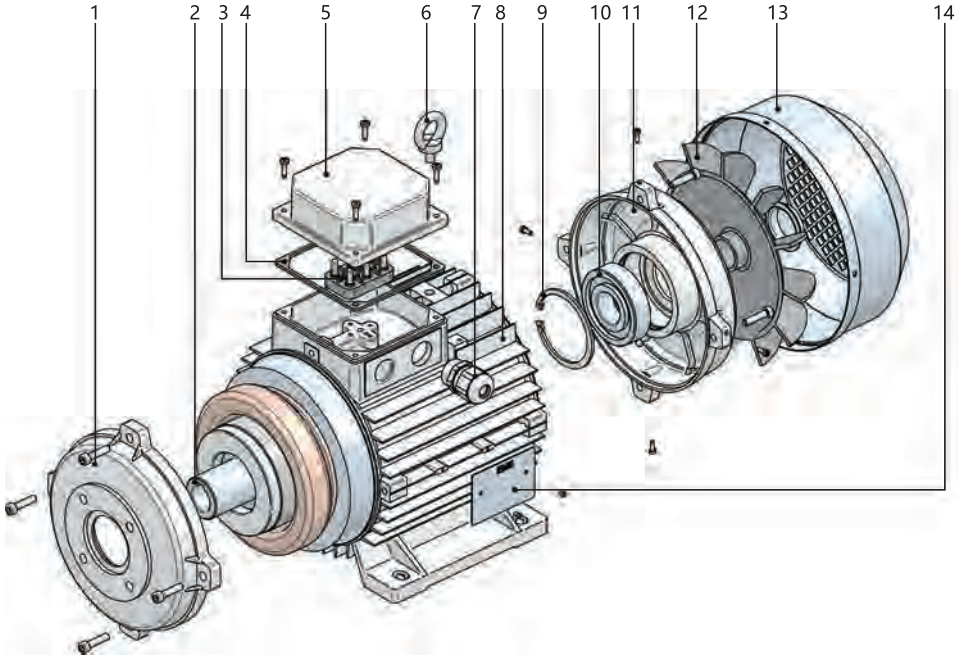


Technical Data

Frame size	EXTRUDED ALUMINIUM																	
	A	AB	AC	AF	B	BB	C	D	F	H	HD	HE*	L	M	N	S	K	Y
P80	125	154	155	140	100	125	52	24	8	80	233	233	248	75	90	7	10	17.5
P90L	139	174	180	90	125	155	50.5	24	8	90	220	246	271	75	90	7	10	17.5
P100	160	192	194	90	140	175	54	24	8	100	240	267	298	87	61	9	11	24
P112	190	220	220	112	140	182	63	24	8	112	262		321	87	61	9	12	16
P132S	216	260	259	112	140	181	85	24	8	132	311		375	87	61	9	13	22.5
P132M	216	260	259	112	178	219	84	24	8	132	311		411	87	61	9	13	22.5

* Applicable to single phase motors

1	Hollow shaft flange
2	Shaft with rotor
3	Terminal board
4	Gasket
5	Terminal box
6	Eyebolt
7	Cable gland
8	Stator assembly
9	Circlip
10	Bearing
11	Rear Shield
12	Cooling fan
13	Fan cover
14	Name plate



HYD2F

Series Hollow Shaft Motors

HYD2F series Motors for high pressure pumps are fitted with double flanges, two bearings and a flexible coupling. This build has reduced dimensions to combine the advantages of hollow shaft motors (i.e. both limited cost and dimensions) but retaining the features of standard motors (i.e. ease of maintenance). Haineng Motor offers you the possibility of purchasing the motor totally encapsulated. The insulation is drastically increased, thus avoiding problems relating to condensation. This allows the motor to be used in very high levels of humidity. In conclusion, these motors guarantee high performance, reliability and efficiency.

Standard Manufacturing	Rated voltage	400/690V 50Hz	
	Duty	S1; for EU only S6-70%	
	Cooling	Self ventilation	
	Room Temperature	40°	
	Insulation class	F	
	Copper wire	Class H enamel and tropicalised varnish impregnation	
	Frame	Extruded aluminum, removable feet	Die Casting Alluminium, fixed feet
	Face mounting	shaft	
	Assembly Arrangement	Top terminal box	
	IP Code	IP54	
	Terminal box	Two components ABS	One component aluminium
	Kit Lifting	Eyebolt	
	Balancing	Full shaft key	
	Bearings	ZZ	
	Painting	Black RAL 9005	
	Fan cover	Steel Zinc Plated	
	Cable glands	M112 - M132c M132 - M160c	n°1 M25x1,5 - n°1 M25x1,5 n°1 M32x1,5 - n°1 M25x1,5

Technical Data

Electric data - 400V 50Hz

NAME	SIZE	Pn		n	In (400V)	Cos φ	η	Mn	Mm/Mn	Ms/Mn	Is/In	J	Weight
		kW	Hp	min^{-1}	A		%	Nm				10^{-3} Kgm^2	Kg
4 Poles Three phase													
HYD2F-010	P112	4	5,5	1450	9	0,770	84	26,00	2,8	3,2	5,9	9,96	28
HYD2F-020	P112	5,5	7,5	1420	12,7	0,771	80,9	36,99	2,7	2,5	5,3	11,40	30
HYD2F-030	P112	6,3	8,5	1420	14,2	0,780	82,1	42,37	2,7	2,3	6,0	12,46	32
HYD2F-040	E112B	6,6	9	1445	14,7	0,760	85	43,62	3,1	3,1	6,8	13,98	36
HYD2F-050	E112B	7,5	10	1440	16,9	0,744	86,6	49,74	3,0	2,3	5,8	14,11	41
HYD2F-060	E132BSc	6,6	9	1445	14,7	0,760	85	43,62	3,1	3,1	6,8	13,98	37
HYD2F-070	E132BSc	7,5	10	1440	16,9	0,744	86,6	49,74	3,0	2,3	5,8	14,11	41
HYD2F-075	P132S	7,5	10	1425	16,2	0,792	84,4	50,3	2,3	2,5	6,9	15,69	44
HYD2F-080	P132M	9,2	12,5	1445	18,2	0,830	88	60,81	2,9	2,9	6,3	31,03	49
HYD2F-090	P132M	11	15	1440	22,7	0,780	89,6	72,71	2,5	2,5	5,3	34,15	53
HYD2F-100	E132MB	15	20	1440	29,7	0,830	87,7	99,49	3,4	3,3	7,1	45,51	69
HYD2F-110	E160Mc	11	15	1440	22,7	0,780	89,6	72,71	2,5	2,5	5,3	34,15	54
HYD2F-120	E160MBc	15	20	1440	29,7	0,830	87,7	99,49	3,4	3,3	7,1	45,51	68
6 Poles Three phase													
HYD2F-130	P112	2,2	3	955	5,3	0,770	78	22,00	2,6	1,5	5,1	17,22	34
HYD2F-140	P112	3	4	955	7,4	0,780	75	30,00	2,5	1,6	4,7	18,35	37
HYD2F-150	E112B	4	5,5	950	9,0	0,790	81	40,20	2,5	1,7	5,1	21,83	44
HYD2F-160	E132BSc	4	5,5	950	9,0	0,790	81	40,20	2,5	1,7	5,1	21,83	44
HYD2F-170	P132M	5,5	7,5	950	11,9	0,800	84	55,30	2,3	1,3	2,7	40,65	54
HYD2F-180	P132M	6,5	8,8	950	13,9	0,801	84	64,90	2,5	2,3	4,9	47,01	60
HYD2F-190	E132M	7,5	10	960	16,0	0,800	86	74,60	2,5	2,3	5,0	53,71	69
HYD2F-200	E160Mc	7,5	10	960	16,0	0,800	86	74,60	2,5	2,3	5,0	53,71	70

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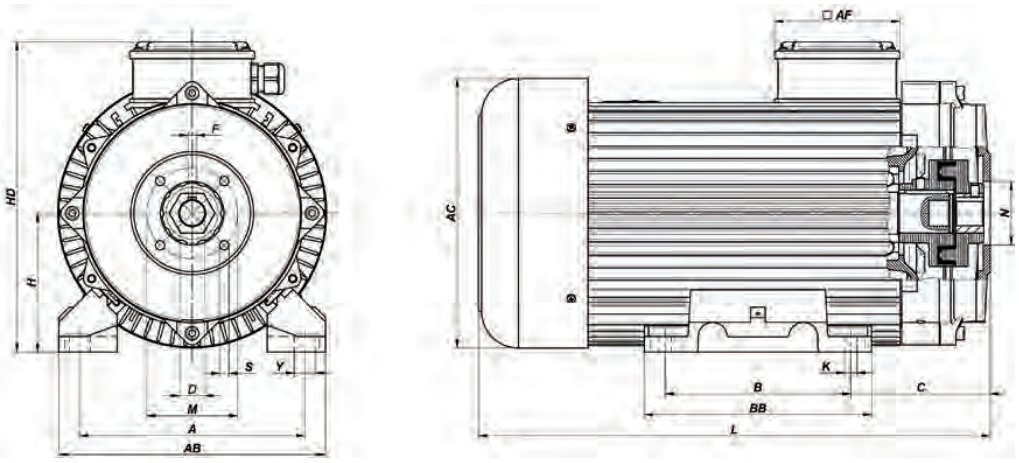
Extruded aluminium



Technical Data

Frame size	EXTRUDED ALUMINIUM																
	A	AB	AC	AF	B	BB	C	D	F	H	HD	L	M	N	S	K	Y
E112B	190	225	220	120	140	190	126.5	24	8	112	261	404	87	61	9	12	20
E132BSc	216	263	220	120	140	190	143	24	8	132	281	404	87	61	9	12	20
E132M	216	256	258	120	178	218	134	24	8	132	297	491	87	61	9	12	20
E132MB	216	256	258	120	178	218	134	24	8	132	297	561	87	61	9	12	20
E160Mc	254	300	258	120	210	256	153	24	8	160	324	491	87	61	9	15	23
E160MBc	254	300	258	120	210	256	153	24	8	160	324	561	87	61	9	15	23

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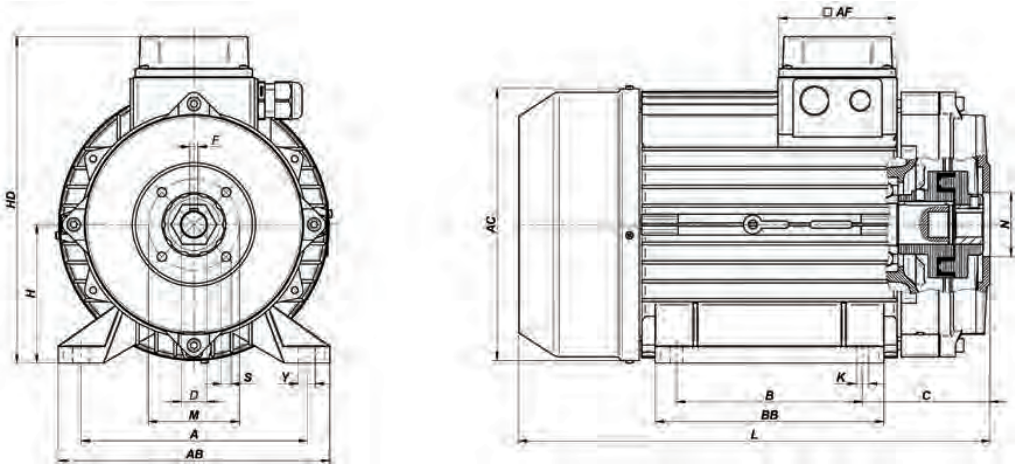
Die-cast aluminium



Technical Data

Frame size	DIE-CAST ALUMINIUM																
	A	AB	AC	AF	B	BB	C	D	F	H	HD	L	M	N	S	K	Y
P112	190	220	220	112	140	182	113	24	8	112	262	370	87	61	9	12	16
P132S	216	260	259	112	140	182	122	24	8	132	311	411	87	61	9	12	16
P132M	216	260	259	112	178	219	122	24	8	132	311	451	87	61	9	12	16

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MSD

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Three-Phase Asynchronous Double-Polarity Motors Aluminum Housing

Technical Data

Model	Power (kW)		Speed (r/min)		Eff. (%)		Power Factor (CosΦ)		Current (A)		Rated Torque (N.M)		Start torque / Rated torque		Start current / Rated current		Max. torque / Rated torque	
	2P	4P	2P	4P	2P	4P	2P	4P	2P	4P	2P	4P	2P	4P	2P	4P	2P	4P
MSD711-2/4	0.3	0.22	2750	1350	60	55	0.8	0.73	0.90	0.79	1.04	1.56	1.7	1.7	3.5	3.5	1.9	1.9
MSD712-2/4	0.45	0.3	2790	1380	63	58	0.8	0.73	1.29	1.02	1.54	2.08	2	2	4	4	2	2
MSD801-2/4	0.55	0.45	2800	1380	65	64	0.84	0.75	1.45	1.35	1.88	3.11	2	2	4.5	4.5	2.1	2.1
MSD802-2/4	0.75	0.6	2800	1400	67	68	0.86	0.77	1.88	1.65	2.56	4.09	1.8	1.8	4.5	4.5	2	2
MSD90S-2/4	1.25	0.95	2820	1400	72	68	0.86	0.82	2.91	2.46	4.23	6.48	2	2	5	5	2	2
MSD90L-2/4	1.7	1.32	2830	1400	73	70	0.86	0.83	3.91	3.28	5.74	9.00	2	2	5	5	2	2
MSD100L1-2/4	2.4	1.84	2830	1410	73	76	0.86	0.83	5.52	4.21	8.10	12.46	2	2	5.5	5	2	2
MSD100L2-2/4	3.3	2.6	2840	1420	74	78	0.86	0.85	7.48	5.66	11.10	17.19	2	1.9	5.5	5	2	1.9
MSD112M-2/4	4.5	4	2860	1430	77	79	0.85	0.86	9.92	8.50	15.03	26.71	2	1.8	5.5	5	2.2	2
MSD132S-2/4	6	5	2860	1440	79	82	0.84	0.86	13.05	10.23	20.03	33.16	2	1.5	5.5	5.5	2.2	1.9
MSD132M-2/4	8	6.6	2870	1440	82	84	0.84	0.86	16.76	13.09	26.62	43.77	2	2	6	6	2.2	2.2
MSD160M-2/4	11	9	2920	1450	84	84	0.85	0.82	22.23	18.86	35.98	59.28	1.8	1.8	7	6	2	2
MSD160L-2/4	15	12	2920	1450	86	84	0.87	0.83	28.94	24.84	49.06	79.03	2	2	7	7	2.2	2.2

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Technical Data

Model	Power (kW)		Speed (r/min)		Eff. (%)		Power Factor (CosΦ)		Current (A)		Rated Torque (N.M)		Start torque / Rated torque		Start current / Rated current		Max. torque / Rated torque	
	4P	8P	4P	8P	4P	8P	4P	8P	4P	8P	4P	8P	4P	8P	4P	8P	4P	8P
MSD801-4/8	0.25	0.15	1380	680	58	40	0.77	0.60	0.81	0.90	1.73	2.11	2	2	4.5	3	2	2
MSD802-4/8	0.45	0.25	1390	685	68	48	0.80	0.60	1.19	1.25	3.09	3.49	1.8	2	4.5	3	2	2
MSD90S-4/8	0.55	0.3	1400	690	68	50	0.83	0.61	1.41	1.42	3.75	4.15	1.8	2	4.5	3.5	2	2
MSD90L-4/8	0.8	0.45	1400	690	68	53	0.83	0.63	2.05	1.95	5.46	6.23	1.8	1.6	4	3	1.9	1.8
MSD100L1-4/8	1.25	0.6	1400	700	69	54	0.82	0.56	3.19	2.86	8.53	8.16	1.8	2	5	3.5	2	2
MSD100L2-4/8	1.76	0.88	1400	700	71	58	0.84	0.56	4.26	3.91	12.00	12.00	1.8	2	5.5	4	2	2
MSD112M-4/8	2.2	1.5	1420	700	75	64	0.82	0.61	5.16	5.54	14.80	20.46	2	2	6	4	2	2
MSD132S-4/8	3.3	2.2	1430	705	78	70	0.84	0.64	7.27	7.09	22.04	29.8	2	2	6	5	2	2
MSD132M-4/8	4.5	3	1430	705	82	77	0.85	0.65	9.32	8.65	30.05	40.64	2	2	6	5	2	2
MSD160M1-4/8	5.5	4	1440	710	82	77	0.81	0.69	11.95	10.87	36.48	53.80	2.1	1.7	7.6	4.6	2.3	2.2
MSD160M2-4/8	7.5	5	1440	710	82	79	0.89	0.78	14.83	11.71	49.74	67.25	1.7	1.6	6.6	4.5	2.3	2.1
MSD160L-4/8	10	7	1450	715	84	82	0.90	0.78	19.09	15.80	65.86	93.50	1.8	1.9	5.5	5	2.3	2.1

Model	Power (kW)		Speed (r/min)		Eff. (%)		Power Factor (CosΦ)		Current (A)		Rated Torque (N.M)		Start torque / Rated torque		Start current / Rated current		Max. torque / Rated torque	
	4P	6P	4P	6P	4P	6P	4P	6P	4P	6P	4P	6P	4P	6P	4P	6P	4P	6P
MSD801-4/6	0.3	0.22	1400	910	60	55	0.74	0.69	0.98	0.84	2.05	2.31	2	1.8	4.5	4	2	2
MSD802-4/6	0.45	0.3	1410	920	63	58	0.75	0.7	1.37	1.07	3.05	3.11	2	1.8	4.5	4	2	2
MSD90S-4/6	0.66	0.45	1410	920	66	61	0.76	0.65	1.9	1.64	4.47	4.67	1.7	1.7	5	4.5	2	2
MSD90L-4/6	0.88	0.6	1420	930	70	64	0.77	0.67	2.36	2.02	5.92	6.16	1.7	1.7	5	4.5	2	2
MSD100L1-4/6	1.32	0.88	1420	940	72	67	0.85	0.75	3.11	2.3	8.88	8.94	1.8	1.8	6	5	2	2
MSD100L2-4/6	1.76	1.2	1430	950	74	70	0.85	0.75	4.04	3.3	11.75	12.06	1.8	1.8	6	5	2	2
MSD112M-4/6	2.2	1.5	1430	950	76	70	0.8	0.70	5.22	4.42	14.69	15	2	1.8	6	5	2.2	2.2
MSD132S-4/6	3.3	2.2	1440	960	82	78	0.81	0.72	7.17	5.65	21.9	21.9	2	2	7	6	2.2	2.2
MSD132M-4/6	4.5	3	1450	970	83	80	0.82	0.74	9.54	7.31	29.6	29.5	2	2	7	6	2.3	2.3
MSD160M-4/6	6.6	4.5	1460	970	84	81	0.84	0.78	13.5	10.3	43.2	44.3	1.8	1.8	7	6	2.3	2.3
MSD160L-4/6	8.8	6	1460	970	84	81	0.85	0.79	17.8	13.5	57.6	59.1	1.8	1.8	7	6	2.3	2.3

Model	Power (kW)		Speed (r/min)		Eff. (%)		Power Factor (CosΦ)		Current (A)		Rated Torque (N.M)		Start torque / Rated torque		Start current / Rated current		Max. torque / Rated torque	
	6P	8P	6P	8P	6P	8P	6P	8P	6P	8P	6P	8P	6P	8P	6P	8P	6P	8P
MSD801-6/8	0.18	0.11	900	680	50	42	0.69	0.65	0.75	0.58	1.91	1.54	1.5	1.5	3.5	3	1.5	1.5
MSD802-6/8	0.25	0.18	920	700	54	46	0.7	0.66	0.95	0.86	2.60	2.46	1.7	1.5	3.5	3	1.5	1.7
MSD90S-6/8	0.37	0.25	930	680	58	50	0.72	0.68	1.28	1.06	3.80	3.51	1.5	1.4	4	3	1.8	1.7
MSD90L-6/8	0.55	0.37	940	685	63	54	0.73	0.69	1.73	1.43	5.59	5.16	1.5	1.4	4	3	1.8	1.7
MSD100L1-6/8	0.75	0.55	950	700	69	63	0.74	0.74	2.12	1.70	7.54	7.50	1.5	1.4	5	4	2	1.8
MSD100L2-6/8	1.03	0.75	955	705	71	65	0.76	0.76	2.76	2.19	10.30	10.16	1.5	1.4	5	4	2	1.8
MSD112M-6/8	1.25	0.95	960	710	72	64	0.71	0.71	3.53	3.02	12.43	12.78	1.5	1.5	5	4	2	1.8
MSD132S-6/8	2.2	1.5	970	720	76	70	0.71	0.7	5.88	4.42	21.66	19.90	1.6	1.4	6	5.5	2.3	2
MSD132M-6/8	3	1.85	970	720	78	74	0.71	0.7	7.82	5.01	29.54	24.37	1.6	1.4	6	5.5	2.3	2
MSD160M1-6/8	3.7	2.6	970	720	78	75	0.74	0.71	9.25	7.05	36.43	34.49	1.8	1.5	6	5.5	2.5	1.9
MSD160M2-6/8	4.5	3.3	970	720	79	76	0.78	0.72	10.54	8.70	44.30	43.77	1.8	1.7	6	5.5	2.5	2
MSD160L-4/6	6	4.5	973	720	80	77	0.79	0.73	13.70	11.55	59.89	59.69	1.8	1.7	6	5.5	2.5	2

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Technical Data

Model	Power (kW)		Speed (r/min)		Eff. (%)		Power Factor (CosΦ)		Current (A)		Rated Torque (N.M)		Start torque / Rated torque		Start current / Rated current		Max. torque / Rated torque	
	2P	8P	2P	8P	2P	8P	2P	8P	2P	8P	2P	8P	2P	8P	2P	8P	2P	8P
MSD801-2/8	0.37	0.08	2760	660	65	33	0.76	0.48	1.08	0.73	1.28	1.16	1.7	2	3.5	2.5	1.9	2.1
MSD802-2/8	0.55	0.11	2780	670	67	35	0.78	0.50	1.52	0.91	1.89	1.57	1.7	2	4	3	1.9	2.2
MSD90S-2/8	0.75	0.18	2800	670	67	43	0.79	0.52	2.05	1.16	2.56	2.57	1.8	2	4	3	2	2.3
MSD90L-2/8	1.1	0.3	2810	680	67	45	0.8	0.54	2.96	1.78	3.74	4.21	1.8	2	4	3.5	2	2.3
MSD100L1-2/8	1.5	0.37	2820	700	67	50	0.84	0.56	3.85	1.91	5.08	5.05	1.7	2.1	5	3.5	2	2.6
MSD100L2-2/8	2.2	0.55	2820	710	68	51	0.85	0.58	5.49	2.68	7.45	7.40	1.8	2.2	5	3.5	2	2.6
MSD112M1-2/8	2.6	0.75	2840	710	71	58	0.86	0.6	6.15	3.11	8.74	10.09	1.8	1.8	5.5	4	1.9	1.9
MSD112M2-2/8	3	0.9	2850	710	75	63	0.86	0.58	6.71	3.56	10.05	12.1	1.7	2	6.5	4.5	1.9	2.2
MSD132S-2/8	3.7	1.1	2890	710	81	65	0.83	0.57	7.94	4.29	12.22	14.80	1.7	1.7	7	5	1.9	1.9
MSD132M-2/8	5.5	1.5	2900	720	82	66	0.85	0.57	11.39	5.75	18.11	19.90	1.8	1.8	7	5	1.9	1.9
MSD160M-2/8	7.5	2.2	2900	720	80	73	0.87	0.58	15.55	7.50	24.70	29.18	2.3	2.5	7	5	2.3	2.5
MSD160L-2/8	9.5	3	2920	720	82	73	0.87	0.58	19.22	10.23	31.07	39.79	2.3	2.5	7	5	2.3	2.5

Model	Power (kW)		Speed (r/min)		Eff. (%)		Power Factor (CosΦ)		Current (A)		Rated Torque (N.M)		Start torque / Rated torque		Start current / Rated current		Max. torque / Rated torque	
	2P	4P	2P	4P	2P	4P	2P	4P	2P	4P	2P	4P	2P	4P	2P	4P	2P	4P
MSD712-2/4	0.55	0.12	2850	1410	75	57	0.78	0.55	1.5	0.7	1.8	0.8	2.7	3.3	6	4	2.7	3.2
MSD802-2/4	0.75	0.19	2860	1430	75	59	0.82	0.6	2	1	2.4	1.2	3.3	2.8	7	4	2.6	2.8
MSD802-2/4	1.1	0.28	2870	1430	79	64	0.82	0.59	2.8	1.5	3.6	1.8	3.4	2.5	7.5	4.6	2.8	2.8
MSD90S-2/4	1.5	0.38	2880	1440	82	71	0.84	0.6	3.5	1.5	4.9	2.5	2.6	3.2	7.5	5.5	3.3	3.5
MSD90L-2/4	2.2	0.55	2880	1440	83	73	0.86	0.62	4.5	2	7.2	3.5	3.6	3.6	8	5.8	3.3	3.2
MSD100L1-2/4	3	0.8	2850	1430	81	77	0.9	0.72	6	2.2	10	5.2	2.1	1.9	8	5.5	2.8	2.5
MSD112M-2/4	4	1	2910	1450	85	80	0.86	0.67	8	3	13	6	3.2	3.2	10.5	8	3.4	3.7
MSD112M-2/4	4.5	1.3	2900	1440	84	81	0.93	0.81	8.5	3	14	8	2.3	1.9	9.5	6.5	2.9	2.6
MSD132S-2/4	5.5	1.4	2900	1450	85	82	0.9	0.73	10.5	3.5	18	9	2.7	2.1	9.5	6.5	3	3
MSD132S-2/4	6	1.6	2890	1440	83	80	0.92	0.79	11.5	3.9	19	10	2.5	1.8	9	6	2.9	2.7
MSD132M-2/4	9	2.5	2920	1450	86	82	0.91	0.79	17	6	29	16	2.5	1.8	10.3	6.8	2.5	2.7
MSD160M-2/4	15	3.7	3930	1460	86	86	0.91	0.76	28	8.5	48	24	2.5	2.3	8	6.4	2.9	2.6
MSD160L-2/4	18.5	4.4	2940	1470	88	87	0.91	0.74	34	10.5	59	58	3	2.7	9.5	7	3.2	3

Model	Power (kW)		Speed (r/min)		Eff. (%)		Power Factor (CosΦ)		Current (A)		Rated Torque (N.M)		Start torque / Rated torque		Start current / Rated current		Max. torque / Rated torque	
	4P	8P	4P	8P	4P	8P	4P	8P	4P	8P	4P	8P	4P	8P	4P	8P	4P	8P
MSD711-4/8	0.25	0.03	1370	710	53	30	0.67	0.44	1.2	0.5	1.7	0.4	2.4	2.5	3.5	2.8	2.5	4.8
MSD712-4/8	0.33	0.04	1360	710	58	34	0.71	0.45	1.5	0.5	2.3	0.5	2.2	4.1	4	3	2.5	4.6
MSD712-4/8	0.37	0.09	1360	650	58	45	0.69	0.61	1.5	0.5	2.5	1.3	2.4	2	3.5	2.5	2.5	2
MSD801-4/8	0.55	0.09	1410	710	64	43	0.7	0.49	2	1	3.7	1.1	2	2.6	4.5	3.5	2.5	3.6
MSD802-4/8	0.75	0.19	1430	710	76	59	0.82	0.6	1.8	0.8	2.4	1.2	3.3	2.8	7	4	2.6	2.8
MSD90S-4/8	1.1	0.18	1400	710	75	53	0.79	0.47	3	1.5	7.4	2.4	2.3	3	5.8	3.6	2.5	3.5
MSD90L-4/8	15	0.25	1380	700	75	57	0.83	0.49	4	1.5	10	3	2.2	2.8	5.8	3.6	2.4	3.3
MSD100L1-4/8	2.2	0.37	1430	720	79	62	0.8	0.46	4	2	14	4.5	2.1	2.5	7	4.5	2.7	3.5
MSD100L2-4/8	3	0.55	1420	710	80	67	0.82	0.5	6.6	2.5	20	7.3	2	2.3	6.9	4	2.5	3
MSD112M-4/8	b	0.75	1440	720	82	72	0.84	0.53	8.5	3	26.5	9.9	1.9	1.9	7.5	4.5	2.5	2.8
MSD132S-4/8	5.5	1.1	1450	720	84	74	0.85	0.54	11	4	36	14	2.1	1.5	8.5	5	2.5	2.8
MSD132M-4/8	7.5	1.5	1450	720	85	75	0.83	0.51	15	5.8	49	19	2.2	2	9.2	5	3	3
MSD160M-4/8	8.9	2	1460	730	87	79	0.83	0.53	18	7	58	26	2.4	1.7	8.7	4.5	3	2.6
MSD160L-4/8	11	2.8	1460	720	88	81	0.83	0.58	22	8.5	71	36	2.3	1.4	8	4	2.7	1.8
MSD160L-4/8	15	3.5	1460	720	89	82	0.83	0.56	12.5	11.5	97	45	2.2	1.6	7.5	4	2.9	2
MSD180M-4/8	18.5	4.6	1470	730	90	84	0.84	0.55	35	14	119	59	2.5	2.3	9	5.5	3	2.8
MSD180L-4/8	22	5.5	1470	730	90	83	0.85	0.6	40	16	142	71	2.4	2.1	9.5	5.5	3	2.8

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Technical Data

Model	Power (kW)		Speed (r/min)		Eff. (%)		Power Factor (CosΦ)		Current (A)		Rated Torque (N.M)		Start torque / Rated torque		Start current / Rated current		Max. torque / Rated torque	
	4P	6P	4P	6P	4P	6P	4P	6P	4P	6P	4P	6P	4P	6P	4P	6P	4P	6P
MSD71S-4/6	0.25	0.09	1380	950	48	41	0.68	0.64	1.3	0.5	1.7	0.9	2.4	2	3	2.5	2.2	2.1
MSD801-4/6	0.37	0.12	1420	960	59	47	0.68	0.58	1.5	0.7	2.4	1.1	2	2.2	4.5	4	2.3	2.9
MSD802-4/6	0.55	0.16	1420	960	64	53	0.72	0.56	1.8	0.8	3.6	1.5	1.7	2.4	4.5	4.2	2.2	3.2
MSD90S-4/6	0.75	0.25	1410	950	65	59	0.74	0.65	2.5	0.9	5	2.4	1.8	1.6	4.5	4.2	2.1	2.3
MSD90L1-4/6	1.1	0.37	1410	950	68	64	0.74	0.68	3.2	1.5	7.4	3.7	1.9	2	4.5	4.2	2.1	2.2
MSD90L2-4/6	1.5	0.5	1420	950	73	68	0.77	0.7	4	1.6	10	4.8	1.9	1.9	5.5	5	2.1	2.3
MSD100L1-4/6	1.7	0.6	1430	960	75	68	0.77	0.73	4.5	2	11	5.5	1.9	1.6	5.5	5	2.2	2.1
MSD100L2-4/6	2.2	0.75	1430	950	80	69	0.83	0.69	5	2.4	14.5	7.5	2.4	1.7	6.5	4.3	2.5	2.2
MSD100L2-4/6	3	0.9	1430	950	77	68	0.77	0.7	7.5	3	19	8	2.7	1.7	6	4.6	2.5	2.2
MSD112M-4/6	3	1	1440	950	82	72	0.84	0.72	6.5	3	19.5	9.5	2.2	1.3	7.5	4.5	2.5	2.1
MSD132S-4/6	4	1.3	1440	960	80	73	0.81	0.73	9	4	26	12.5	2.3	1.3	3.8	5.5	2.4	2.1
MSD132M1-4/6	5.5	1.6	1450	970	83	75	0.81	0.71	12	4.5	36	15	2.4	1.4	7.8	6	2.4	2.2
MSD132M1-4/6	6	2	1450	970	84	77	0.8	0.74	13	5.5	39	19	2.5	1.5	7.8	6	2.8	2.2
MSD132M1-4/6	7.5	2.2	1450	970	85	72	0.86	0.74	15	6.2	49	21	2.2	1.4	8	5.5	2.7	2.2
MSD160M-4/6	11	3.3	1460	970	86	77	0.85	0.75	22	8.5	71	32	2.5	1.3	8	4.8	3	1.9
MSD160L-4/6	15	5	1450	970	88	80	0.86	0.73	29	12.5	98	48	2.2	1.9	9	6	2.3	2.3

IEC

Model	Power (kW)		Speed (r/min)		Eff. (%)		Power Factor (CosΦ)		Current (A)		Rated Torque (N.M)		Start torque / Rated torque		Start current / Rated current		Max. torque / Rated torque	
	6P	8P	6P	8P	6P	8P	6P	8P	6P	8P	6P	8P	6P	8P	6P	8P	6P	8P
MSD802-6/8	0.37	0.18	940	710	64	53	0.67	0.57	1.3	0.9	3.7	2.4	2.3	2.4	4.5	3.5	2.5	2.7
MSD90S-6/8	0.75	0.32	940	710	70	57	0.73	0.61	2.1	1.4	7.5	4.2	1.9	1.6	4.6	3.3	2.5	2.2
MSD90L-6/8	1.1	0.46	940	710	67	52	0.67	0.63	4	2.4	11	6	1.8	1.6	4	3.5	2.2	1.9
MSD100L-6/8	1.5	0.63	950	710	75	62	0.72	0.66	4.3	2.5	14.5	8	2.1	1.7	5.2	4	2.3	2
MSD112M-6/8	2.2	0.93	950	720	79	68	0.75	0.62	5.5	3.5	21	12	2.6	1.7	6	4.2	2.5	2.3
MSD132S-6/8	3	1.3	970	730	83	12	0.76	0.6	7	4.5	29	16	2.4	1.8	7	4.6	2.6	2.4
MSD132M-6/8	4	1.7	970	730	83	74	0.77	0.6	9.3	5.8	39	22	2.4	1.9	7	5	2.5	2.5

GOST

Model	Power (kW)		Speed (r/min)		Eff. (%)		Power Factor (CosΦ)		Current (A)		Rated Torque (N.M)		Start torque / Rated torque		Start current / Rated current		Max. torque / Rated torque	
	6P	12P	6P	12P	6P	12P	6P	12P	6P	12P	6P	12P	6P	12P	6P	12P	6P	12P
MSD802-6/12	0.37	0.06	930	450	59	30	0.71	0.57	1.3	0.5	3.7	1.2	1.6	1.9	3.5	2	1.9	2
MSD802-6/12	0.55	0.08	930	450	64	38	0.74	0.57	1.7	0.53	5.6	1.7	1.6	1.8	4	2	2	2
MSD90S-6/12	0.75	0.1	930	460	66	41	0.75	0.47	2.2	0.8	7	2	1.4	1.8	3.6	2	1.9	2.2
MSD90L-6/12	1.1	0.15	930	460	67	42	0.73	0.46	3.2	1.2	11	3	1.7	2.1	3.8	2	2	2.3
MSD100L-6/12	1.5	0.2	940	470	73	48	0.75	0.44	4	1.5	15	4	2.1	3.2	4.8	1.5	2.4	3.1
MSD112M-6/12	2.2	0.3	950	470	77	54	0.74	0.41	5.5	2	22	6	2.2	3	5.3	2.7	2.5	3.2
MSD132S-6/12	3	0.4	960	480	77	51	0.7	0.39	8	2.9	29	7	2.6	3.4	6	3.5	3	3.9
MSD132M1-6/12	4	0.55	970	480	80	57	0.72	0.39	10	3.6	39	10	2.7	3.4	6.5	3.6	3.2	4.2
MSD132M2-6/12	5.5	0.75	970	480	81	59	0.73	0.39	13.5	4.7	54	14	2.9	3.5	7	3.5	2.7	3.9

NEMA

OTHER MOTOR

Above data may vary by Haineng R&D,
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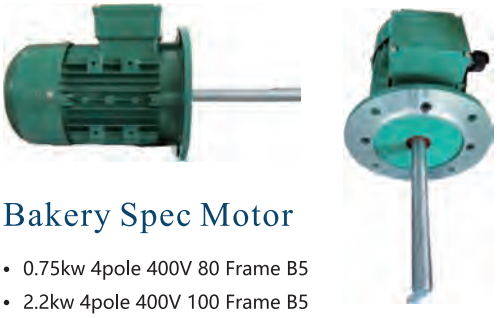
Other different customized motor

(TEAOM) Totally Enclosed Air Over Motor

- IEC standard
- Aluminum Housing
- Range 0.37kw-11.5kw (4&6&8P)
- B5 V1 Mounting
- Class F
- IP65



Bakery Spec Motor

- 0.75kw 4pole 400V 80 Frame B5
- 2.2kw 4pole 400V 100 Frame B5
- C3 Bearings
- High Temperature Grease
- High Temperature Seal

Motor with fix Pads

- Range: 0.25 ~ 7.5kw, 4ple
- Class F, IP55
- With Fix Pads
- Single & three phase
- No fan, no Cowl

Motor with Slide Pads

- MSV/MYV three phase and single phase
- Range: 0.18 ~ 5.5kw; 2,4,6Poles
- Class F,IP55
- Extruded Aluminium Housing
- Slide Pad Mount

Wash Down Motor

- Class F; IP65
- Range: 0.75 ~ 7.5kw; 4,6pole
- B3 mount
- Unpainted for food industry
- Polished Shaft

Reducer

- Worm gear speed reducer
- Aluminium Housing motor
- Range 0.18~7.5kw
- 2,4,6,8poles
- Class F,IP55

Saw Motor

- Single phase & Three phase Aluminium Hosing motor
- Range: 1.1kw ~ 7.5kw
- Speed: 2850rpm
- IP55,Class F
- IEC standard

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