



# MOTOR



**CATALOGUE**

*Green the World*

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## GW ELECTRIC (SHANGHAI) CO., LTD.



# Company Introduction

GW ELECTRIC (SHANGHAI) CO., LTD. is a professional motor manufacturer and seller. Formerly known as Shanghai Micro Motor Factory, established in 1952, the company focuses on the research and development, manufacturing, sales and service of intelligent and high efficiency motors. From 2002 to 2014, it was one of the joint ventures of Regal-Beloit Co., Ltd. in China.

We mainly produce and sell single-phase and three-phase AC asynchronous motors, brush and brushless DC motors, control motors and other special electric motors in line with NEMA standards and IEC standards. Using the "SMC", "GW" and "AG - I" brand. At present, more than 70% of the products are exported to the United States, Canada, South America, Europe, Japan and other countries and regions.

The company's products are mainly used in fan-ventilation equipment, agricultural machinery, cleaning equipment, pumps, hydraulic devices, transmission equipment and other Commercial / industrial fields.



**Slogan**  
Green The World,  
Drive The Future

**VISION**  
To build a globalized electric motor  
business that lasts 100 years.

**1952**  
Factory Originally  
Started From 1952

**30000**  
Production Area  
30,000m<sup>2</sup>

**1 Million**  
Annual Capacity  
1 Million pcs

## Production base



## Workshop of production



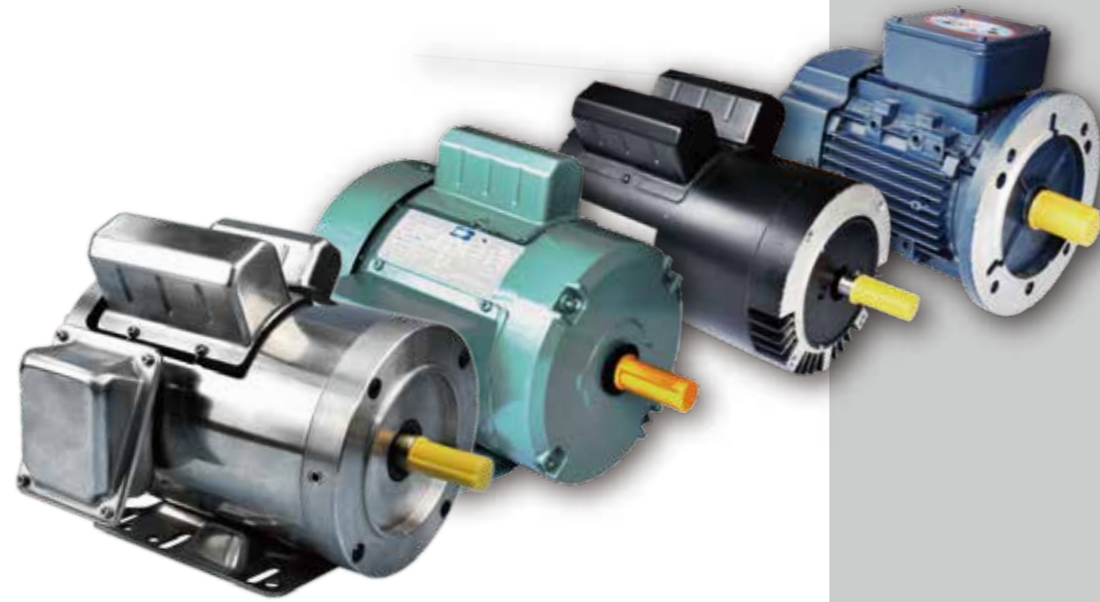
## Certifications & Honors

CE RoHS ISO9001 ISO16949



CE Certification ISO9001 Certification CCC Certification UL Certification SMTC Labatory Certification

# GREEN THE WORLD



Intelligent drive system solution expert



Fan & Blower



Farm-Duty



Pump



Medical Device



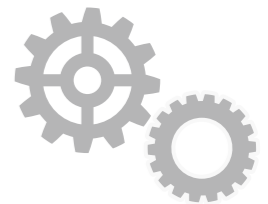
Rail Traffic



Food Equipment



# Development History



1952



Shanghai Micro Motor Factory was established in 1952.

Registered the trademark "SMC"

1987

1995



Renamed as Shanghai Jinling Micro Motor Co., Ltd.



The company renamed to Shanghai Regal-Beloit & Jinling Co., Ltd. becoming to a Joint venture of Regal-Beloit Co., Ltd. in china

2002

2014



The company has been acquired by GW Group renamed to GW Electric (Shanghai) Co., Ltd. in 2014.

2015



GW was listed on the New Third Board in Beijing in 2015. Stock Code: 834693

GW Electric USA, Inc. was set up in Walnut, California in 2015. Registered Trademark "GW" in the United States

2017

Acquired Shanghai Golden Lighting Co., Ltd. in shanghai. Set up new company Shanghai GW Electric (Jiangsu) Co., Ltd. in Jiangsu.



## Product Introduction

# NEMA Motors



## NEMA Motors



### Agricultural Fan Motors

- Variable, single, or two speed operation
- PSC design has no mechanical switches
- Upgraded gasketing
- Low running amps and high power factor
- Precision balanced rotor

HP	RPM	FRAME	MODEL	VOLTAGE	230V FLA	OVER-LOAD	INS. CLASS	S.F	ENCL.	DUTY	WGT LB/KG
.25	1625	48	YYA4814SDT	115/230	1.5	AUTO	F	1.0	TEAO	CONT.	19/8.6
	1075	48	YYA4826DT	115/230	1.2	AUTO	F	1.0	TEAO	CONT.	21/9.5
.33	1625	48	YYA4824SDT	115/230	1.8	AUTO	F	1.0	TEAO	CONT.	22/10.0
	1075	48	YYA4836DT	115/230	1.5	AUTO	F	1.0	TEAO	CONT.	21/9.5
.50	1625	48	YYA4834SDT	115/230	2.5	AUTO	F	1.0	TEAO	CONT.	29/13.2
	1060	48	YYA4846DT	115/230	2.5	AUTO	F	1.0	TEAO	CONT.	26/11.8
	850	48Z	YYA4838R-AT	115/230	3.0	AUTO	F	1.0	TEAO	CONT.	24/10.9
.75	1060	56HZ	YYA5676T	115/230	3.6	AUTO	F	1.0	TEAO	CONT.	36/16.3
1.0	850	56CZ	YYA5658A	230	4.6	AUTO	F	1.0	TEAO	CONT.	45/20.4
		56	YYA5658D	230	4.6	AUTO	F	1.0	TEAO	CONT.	45/20.4



### Agricultural Fan Motors-TEAO-PSC High Performance

- Benchmark variable speed performance - OEM replacement
- Water-tight compartment houses wiring, auto thermal, and capacitor
- Locked, double sealed bearings for all angle mounting
- Precision balanced rotor
- Oil seal in drive end

HP	RPM	FRAME	MODEL	VOLTAGE	230V FLA	OVER-LOAD	INS. CLASS	S.F	ENCL.	DUTY	WGT LB/KG
.25	1625	48	YYA4814S-1D	115/230	1.3	AUTO	F	1.0	TEAO	CONT.	18/8.2
	1625	48	YY4814S-1	115/230	1.3	AUTO	F	1.0	TEAO	CONT.	18/8.2
	1625	48	YYA4814S-1H3 <sup>a</sup> <sub>b</sub> N	115/230	1.3	AUTO	F	1.0	TEAO	CONT.	18/8.2
	1060	48	YYA4816S-1D	115/230	1.3	AUTO	F	1.0	TEAO	CONT.	21/9.5
.33	1625	48	YYA4824S-1D	115/230	1.8	AUTO	F	1.0	TEAO	CONT.	19/8.6
	1625	48	YY4824S-1	115/230	1.8	AUTO	F	1.0	TEAO	CONT.	19/8.6
	1625	48	YYA4824S-1H3 <sup>a</sup> <sub>b</sub> N	115/230	1.8	AUTO	F	1.0	TEAO	CONT.	19/8.6
	1075	48	YYA4826S-1D	115/230	1.9	AUTO	F	1.0	TEAO	CONT.	22/10.0
.50	1625	48	YYA4834S-1D	115/230	2.6	AUTO	F	1.0	TEAO	CONT.	22/10.0
	1625	48	YY4834S-1	115/230	2.6	AUTO	F	1.0	TEAO	CONT.	22/10.0
	1625	48	YYA4834S-1H3 <sup>a</sup> <sub>b</sub> N	115/230	2.6	AUTO	F	1.0	TEAO	CONT.	22/10.0
	1060	48	YYA4836S-1D	115/230	2.8	AUTO	F	1.0	TEAO	CONT.	25/11.4
Mounting arms (each)					7 inch arm for 3 bracket models						
Mounting arms (each)					12 inch arm for 3 bracket models						



## NEMA Motors

## NEMA Motors



### Agricultural Fan Motors - Belt Drive Totally Enclosed

- High Efficiency
- "Legacy" heavy duty design
- Torq® centrifugal and stationary switches
- Upgraded gasketing
- Class F insulation

HP	RPM	FRAME	MODEL	VOLTAGE	230V FLA	OVER-LOAD	EFF %	S.F	ENCL.	DUTY	WGT LB/KG
.50	1800	56	YCYN5634T	115/208-230	2.2	AUTO	80.6	1.0	TEAO	CONT.	28/12.7
.75	1800	56H	YCXA5644T	115/208-230	3.4	AUTO	82.0	1.0	TEAO	CONT.	30/13.6
1	1800	56H	YCXA5654	115/208-230	4.3	AUTO	85.0	1.0	TEAO	CONT.	37/16.8
1.5	1800	56H	YCXA5664T	115/208-230	6.8	AUTO	78.0	1.0	TEAO	CONT.	39/17.7
2	1800	143T	YCXA5694D-2A	230	9.5	AUTO	83.0	1.0	TEAO	CONT.	50/22.7



### High Efficiency Belted Fan Motors

- High Efficiency split start / cap run
- Design B starting torque for all fan loads
- NEMA 48, Resilient base
- Very quiet, smooth, operation
- Precision balanced rotor
- Class F insulation

HP	RPM	FRAME	MODEL	VOLTAGE	FLA	OVER-LOAD	EFF %	S.F	ENCL.	DUTY	WGT LB/KG
.25	1800	48	YUYA4814RT	115	2.5	AUTO	71.0	1.35	ODP	CONT.	20/9.1
.33	1800	48	YUYA4824RT	115	3.2	AUTO	75.0	1.35	ODP	CONT.	25/11.4
.50	1800	48	YUYA4834RT	115	4.6	AUTO	76.0	1.35	ODP	CONT.	26/11.8



### Pedestal Fan Motors - Totally Enclosed-Air Over

- Variable, single, or two speed operation
- Switchless
- Precision balanced rotor
- Heavy gauge steel yoke
- Gasketed conduit box with NPT lead holes

HP	RPM	FRAME	MODEL	VOLTAGE	230V FLA	OVER-LOAD	INS. CLASS	S.F	ENCL.	DUTY	WGT LB/KG
.25	1650	48Y	YYA4814A-2T	115/230	1.3	AUTO	F	1.0	TEAO	CONT.	17/7.7
.33	1650	48Y	YYA4814A-3T	115/230	1.7	AUTO	F	1.0	TEAO	CONT.	20/9.1
	1650	48Y	YYA4814A-3KT	115	3.4 (115V)	AUTO	F	1.0	TEAO	CONT.	24/10.9
	1060	48Y	YYA4836AMT	115/230	1.5	AUTO	F	1.0	TEAO	CONT.	24/10.9
.50	1650	48Y	YYA4814A-4T	115/230	2.3	AUTO	F	1.0	TEAO	CONT.	22/10.0
	1060	48Y	YYA4846AMT	115/230	2.7	AUTO	F	1.0	TEAO	CONT.	26/11.8



### Farm Duty Motors

- High torque for demanding agricultural / industrial applications
- "Legacy" heavy duty design with durable steel fan guard
- Upgraded gasketing
- Manual thermal protector (spec. low temp.)
- High quality bearings lubricated for life

HP	RPM	FRAME	MODEL	VOLTAGE	230V FLA	OVER-LOAD	INS. CLASS	S.F	ENCL.	DUTY	WGT LB/KG
.33	1800	56	YCA5624Y	115-208-230	2.9	MAN.	F	1.15	TEFC	CONT.	25/11.4
		56C no feet	YCA5624-D	115-208-230							
		56C with feet	YCA5624D-D	115-208-230							
.50	1800	56	YCA5634Y	115-208-230	3.9	MAN.	F	1.15	TEFC	CONT.	26/11.8
		56C no feet	YCA5634-D	115-208-230							
		56C with feet	YCA5634D-D	115-208-230							
.75	1800	56	YCA5644Y	115-208-230	5.0	MAN.	F	1.15	TEFC	CONT.	29/13.2
		56C no feet	YCA5644-D	115-208-230							
		56C with feet	YCN5644D-D	115-208-230							
1.0	1800	56	YCYA5674Y	115-208-230	4.4	MAN.	F	1.15	TEFC	CONT.	36/16.3
		56C no feet	YCYA5674-D	115-208-230							
		56C with feet	YCYA5674D-D	115-208-230							
1.5	1800	56	YCYA5684D-2T	115-208-230	9.0	MAN.	F	1.0	TEFC	CONT.	47/21.3
		56C no feet	YCYA5684-2A	115-208-230							
		56C with feet	YCYA5684D-2A	115-208-230							
2.0	1800	145TC	YCYA5694D-2	230	9.5	MAN.	F	1.0	TEFC	CONT.	50/22.7
		56HC with feet	YCYA5694D-2C	230							
		145TC with feet	YCYA5694D-2D	230							
3.0	1800	182-184TC	YCYA1804L-3	230	13	MAN.		1.15	TEFC	CONT.	79/35.8
5.0	1800	182-184TC	YCYA1804L-5	230	20.3	MAN.	F	1.15	TEFC	CONT.	122/55.5



## NEMA Motors



### Feed Anger Drive Motors 56NY 2 - Hole Flange

- 2 hole "56N" flange (6-3/8" centre)
- Upgraded gasketing
- Manual thermal protector
- Wrench extension (1/2 in.) on rear shaft
- Mechanical switch has over-speed protection

HP	RPM	FRAME	MODEL	VOLTAGE	230V FLA	OVER-LOAD	INS. CLASS	ENCL.	DUTY	WGT LB/KG
.33	1800	56NY	YCA5624-DU	115/208-230	2.9	MAN.	F	TEFC	CONT.	25/11.4
.50	1800	56NY	YCA5634-DU	115/208-230	3.9	MAN.	F	TEFC	CONT.	26/11.8
.75	1800	56NY	YCA5644-DU	115/208-230	5.0	MAN.	F	TEFC	CONT.	29/13.2
1.0	1800	56NY	YCYA5674-DU	115/208-230	4.4	MAN.	F	TEFC	CONT.	32/14.5
1.5	1800	56NY	YCYA5684-DU	115/208-230	9.0	MAN.	F	TEFC	CONT.	47/21.8



### Stainless Steel Motors Single Phase Washdown Duty - 56 & 145T

- Waterproof seals on shaft extensions
- Drain holes (4) in endbells to facilitate draining in any mounting position
- T-drain (1) comes installed in non-shaft endbell at base position - can be relocated
- 2nd T-drain for shaft end provided for customer installation at proper drainage point

HP	RPM	FRAME	MODEL	VOLTAGE	230V FLA	OVER-LOAD	INS. CLASS	S.F.	IP CODE	DUTY	WGT LB/KG
.50	1800	56C	YCN5634X-DF	115/208-230	4.1	NONE	F	1.15	IP55	CONT.	25/11.4
	3600	56C	YCN5622X-DF	115/208-230	3.6	NONE	F	1.15	IP55	CONT.	28/12.7
.75	1800	56C	YCN5644X-DF	115/208-230	4.9	NONE	F	1.15	IP55	CONT.	27/12.3
	3600	56C	YCN5632X-DF	115/208-230	4.6	NONE	F	1.15	IP55	CONT.	31/14.1
1.0	1800	56C	YCN5654X-DF	115/208-230	6.8	NONE	F	1.15	IP55	CONT.	34/15.4
	3600	56C	YCN5642X-DF	115/208-230	6	NONE	F	1.15	IP55	CONT.	35/15.9
1.5	1800	56C	YCYN5684X-DF	115/208-230	7.9	NONE	F	1.15	IP55	CONT.	39/17.7
	3600	56C	YCN5652X-DF	115/208-230	8.2	NONE	F	1.15	IP55	CONT.	39/17.7
2.0	1800	145TC	YCYN5694X-DF	115/208-230	8.2	NONE	F	1.15	IP55	CONT.	51/21.2
	3600	145TC	YCYN5672X-DF	115/208-230	9.06	NONE	F	1.15	IP55	CONT.	47/21.3



## NEMA Motors



### Jet Pump Motors

- NEMA 56C face mounting flange
- Class H inverter winding - Class F leads
- 115/230V rated for single & 230/460V for three phase CCW facing lead end
- Threaded shafts made of 303 SST

HP	RPM	FRAME	MODEL	VOLTAGE	HIGH VOLTAGE FLA	OVER-LOAD	INS. CLASS	S.F.	IP CODE	DUTY	WGT LB/KG
.50	3600	S56J	YC4822D-J1H	115/208-230	4	AUTO.	F	1.6	IP20	CONT.	19/8.3
	3600	S56J	YS4812D-J1H	208-230/460	0.7	NONE	F	1.6	IP20	CONT.	18/8.1
.75	3600	S56J	YC4852D-J1H	115/208-230	4.5	AUTO.	F	1.5	IP20	CONT.	24/10.9
	3600	S56J	YS4832D-J1H	208-230/460	1.1	NONE	F	1.5	IP20	CONT.	28/12.7
1.0	3600	S56J	YC4862D-J1H	115/208-230	5.9	AUTO.	F	1.4	IP20	CONT.	31/14.1
	3600	S56J	YS4852D-J1H	208-230/460	1.5	NONE	F	1.4	IP20	CONT.	33/15.0
1.5	3600	56J	YCN5652D-J1H	115/208-230	8.2	AUTO.	F	1.3	IP20	CONT.	32/14.5
	3600	56J	YSN5642D-J1H	208-230/460	2	NONE	F	1.3	IP20	CONT.	30/13.6
2.0	3600	56J	YCYN5672D-J1H	115/208-230	8.6	AUTO.	F	1.2	IP20	CONT.	40/18.2
	3600	56J	YSN5652D-J1H	208-230/460	2.6	NONE	F	1.2	IP20	CONT.	35/15.9
3.0	3600	56J	YCYN5692D-J1H	230	11.8	AUTO.	F	1.15	IP20	CONT.	49/22.2
	3600	56J	YSN5682D-J1H	208-230/460	3.8	NONE	F	1.15	IP20	CONT.	42/19.1



### Instant Reversing Electric Motors - 56 Frame - ODP

- 115V Permanent Split Capacitor
- Switchless
- Resilient base
- Manual reset overload protection
- Capable of frequent stop/start/reverse

HP	RPM	FRAME	MODEL	VOLTAGE	FLA	OVER-LOAD	INS. CLASS	ENCL.	DUTY	WGT LB/KG
.33	1800	S56	YY4824RG-A	115	4.6	MAN.	F	ODP	60 min	18/8.2
.50	1800	S56	YY4824RG-AN	115	5.8	MAN.	F	ODP	15 min	17/7.7



## NEMA Motors

### Stainless Steel Motors - 3 Phase Washdown Duty-56&286T

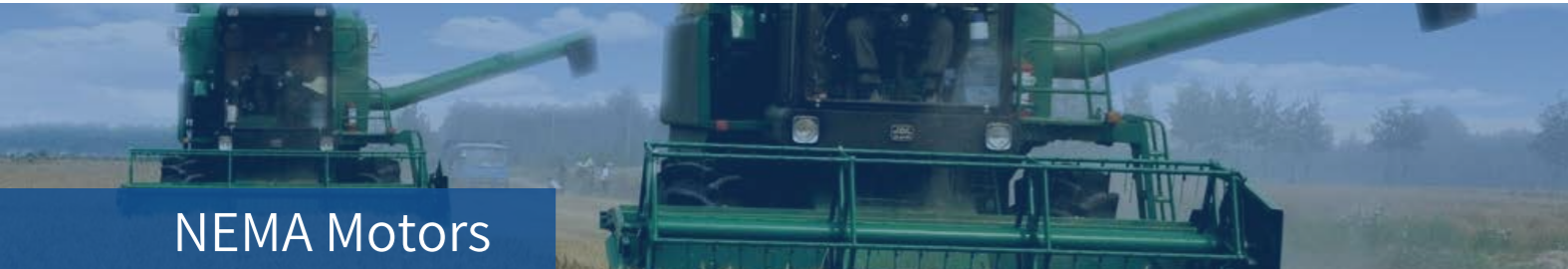
- This series of motors conform to NEMA standard shape, stainless steel housing, frequency 60Hz
- This series motor, Class F insulation, Class B temperature rise, and UL/CSA certified Electric
- Efficiency above 1HP (including) is in line with NEMA PREMIUM Ultra-High Efficiency, and has been reported by the DOE of the United States Department of Energy.
- 1HP above (including) to 2HP meet the frequency conversion requirements of 6-60Hz, CT/PWM VFD1.0S.F
- 3HP above (including) to 10HP motor to meet the 15-60Hz frequency conversion requirements, CT / PWM VFD1.0S.F.
- 15HP above (including) to 30HP motor to meet the 30-60Hz frequency conversion requirements, CT / PWM VFD1.0S.F.
- Installation mode: foot installation, C flange installation 56&56C,143T&143TC,145T&145TC,180TC,210TC,250TC,280TC



HP	RPM	FRAME	MODEL	VOLTAGE	460V FLA	EFF %	INS. CLASS	S.F	ENCL.	DUTY	WGT LB/KG
0.33	3600	56C	YXN5612D-B	208-230/460	1	74	F	1.15	TENV	CONT.	27/12.3
	1800	56C	YXN5624D-B	208-230/460	1.3	78.5	F	1.15	TENV	CONT.	29/13.1
0.5	3600	56C	YXN5622D-B	208-230/460	1.5	77	F	1.15	TENV	CONT.	28/12.7
	1800	56C	YXN5634D-B	208-230/460	1.6	78.6	F	1.15	TENV	CONT.	30.3/13.6
0.75	3600	56C	YXN5632D-B	208-230/460	2	78.5	F	1.15	TENV	CONT.	30/13.6
	1800	56C	YXN5644D-B	208-230/460	2.3	82.5	F	1.15	TENV	CONT.	31/14.1
0.33	3600	56C	YXN5602D-BF	208-230/460	1.4	60	F	1.15	TEFC	CONT.	26.7/23.1
	1800	56C	YXN5614D-BF	208-230/460	1.5	64	F	1.15	TEFC	CONT.	27.8/12.6

HP	RPM	FRAME	MODEL	VOLTAGE	460V FLA	EFF %	INS. CLASS	S.F	ENCL.	DUTY	WGT LB/KG
0.5	3600	56C	YXN5612D-BF	208-230/460	1.9	68	F	1.15	TEFC	CONT.	28/12.7
	1800	56C	YXN5624D-BF	208-230/460	2	72	F	1.15	TEFC	CONT.	29.3/13.3
0.75	3600	56C	YXN5622D-BF	208-230/460	2.6	70	F	1.15	TEFC	CONT.	29.3/13.3
	1800	56C	YXN5634D-BF	208-230/460	2.7	76	F	1.15	TEFC	CONT.	31.3/14.2
1	3600	143TC	YXN5642D-CP	208-230/460	2.6	77	F	1.15	TEFC	CONT.	39/17.7
	1800	143TC	YXN5674D-CP	208-230/460	3	85.5	F	1.15	TEFC	CONT.	44.5/20.2
1.5	3600	145TC	YXN5662D-CP	208-230/460	4	84	F	1.15	TEFC	CONT.	42.5/19.3
	1800	143TC	YXN5684SD-DP	208-230/460	4.8	86.5	F	1.15	TEFC	CONT.	46.5/21.1
2	3600	145TC	YXN5672D-DP	208-230/460	5	85.5	F	1.15	TEFC	CONT.	45/20.4
	1800	145TC	YXN5694D-DP	208-230/460	5.6	86.5	F	1.15	TEFC	CONT.	53.1/23.6
3	3600	182TC	YXN182TC-2	208-230/460	6.9	86.5	F	1.15	TEFC	CONT.	87/39.5
	1800	182TC	YXN182TC-4	208-230/460	7.2	89.5	F	1.15	TEFC	CONT.	94.7/43
5	3600	184TC	YXN184TC-2	208-230/460	11	88.5	F	1.15	TEFC	CONT.	99.8/45.3
	1800	184TC	YXN184TC-4	208-230/460	12.4	89.5	F	1.15	TEFC	CONT.	109/49.5
7.5	3600	213TC	YXN213TC-2	208-230/460	17.4	89.5	F	1.15	TEFC	CONT.	131.1/59.5
	1800	213TC	YXN213TC-4	208-230/460	19.4	91.7	F	1.15	TEFC	CONT.	159.7/72.5
10	3600	215TC	YXN215TC-2	208-230/460	22.8	90.2	F	1.15	TEFC	CONT.	150.9/68.5
	1800	215TC	YXN215TC-4	208-230/460	24.6	91.7	F	1.15	TEFC	CONT.	181.7/82.5
15	3600	254TC	YXN254TC-2	208-230/460	34.4	91	F	1.15	TEFC	CONT.	264.3/120
	1800	254TC	YXN254TC-4	208-230/460	35.6	92.4	F	1.15	TEFC	CONT.	268.7/122
20	3600	256TC	YXN256TC-2	208-230/460	45	91	F	1.15	TEFC	CONT.	286.4/130
	1800	256TC	YXN256TC-4	208-230/460	47.2	93	F	1.15	TEFC	CONT.	319.4/145
25	3600	284TC	YXN284TC-2	208-230/460	56.6	91.7	F	1.15	TEFC	CONT.	363.4/165
	1800	284TC	YXN284TC-4	208-230/460	57.6	93.6	F	1.15	TEFC	CONT.	374.5/170
30	3600	286TC	YXN286TC-2	208-230/460	67	91.7	F	1.15	TEFC	CONT.	374.5/170
	1800	286TC	YXN286TC-4	208-230/460	68.2	93.6	F	1.15	TEFC	CONT.	425.1/193





### 3 Phase Motors - TEFC - 56C With Feet



- This series of motor shape conforms to NEMA standard, steel shell, frequency 60Hz
- The series motor, class F insulation, Class B temperature rise, and UL/CSA certified
- Electric efficiency above 1HP (including) is in line with NEMA PREMIUM Ultra-High Efficiency, obtained by DOE

HP	RPM	FRAME	MODEL	VOLTAGE	460V FLA	EFF %	INS. CLASS	S.F	ENCL.	DUTY	WGT LB/KG
0.33	1800	56C	YSA5604-F	208-230/460	1.54	73	F	1.15	TEFC	CONT.	20/9.1
	3600	56C	YSA5602D-BF	208-230/460	1.4	60	F	1.15	TEFC	CONT.	24.7/11.2
0.5	1800	56C	YSA5614-F	208~230/460	2.3	72	F	1.15	TEFC	CONT.	25/11.4
	3600	56C	YSA5612D-BF	208-230/460	1.9	68	F	1.15	TEFC	CONT.	26/11.8
0.75	1800	56C	YSA5624G-A1N	208-230/460	2.4	81	F	1.15	TEFC	CONT.	26/11.8
	3600	56C	YSA5622D-BF	208-230/460	2.6	70	F	1.15	TEFC	CONT.	27.3/12.5
1	1800	56C	YSA5674D-BPN	208-230/460	3	85.5	F	1.15	TEFC	CONT.	42/19.0
	3600	56C	YSA5642D-BP	208-230/460	2.6	77	F	1.15	TEFC	CONT.	35/15.9
1.5	1800	56C	YSA5684SD-BPN	208-230/460	4.8	86.5	F	1.15	TEFC	CONT.	46/20.9
	3600	56C	YSA5662D-BP	208-230/460	4	84	F	1.15	TEFC	CONT.	39/17.7
2	1800	145TC	YSA5694D-DP	208-230/460	5.6	86.5	F	1.15	TEFC	CONT.	52/23.6
	3600	56C	YSA5672D-BP	208-230/460	5	85.5	F	1.15	TEFC	CONT.	44/20
3	3600	145TC	YSA5692D-DP	208-230/460	7	86.5	F	1.15	TEFC	CONT.	51/23.1
3	3600	182TC	YSN182TC-2	208-230/460	6.9	86.5	F	1.15	TEFC	CONT.	82.6/37.5
	1800	182TC	YSN182TC-4	208-230/460	7.2	89.5	F	1.15	TEFC	CONT.	87/39.5
5	3600	184TC	YSN184TC-2	208-230/460	11	88.5	F	1.15	TEFC	CONT.	93.6/42.5
	1800	184TC	YSN184TC-4	208-230/460	12.4	89.5	F	1.15	TEFC	CONT.	99.8/45.3



### Residential / Industrial - Split Phase - Belted Fan Motors

- Low starting torque
- Ball bearings
- Resilient "cradle" style base
- Automatic overload protection

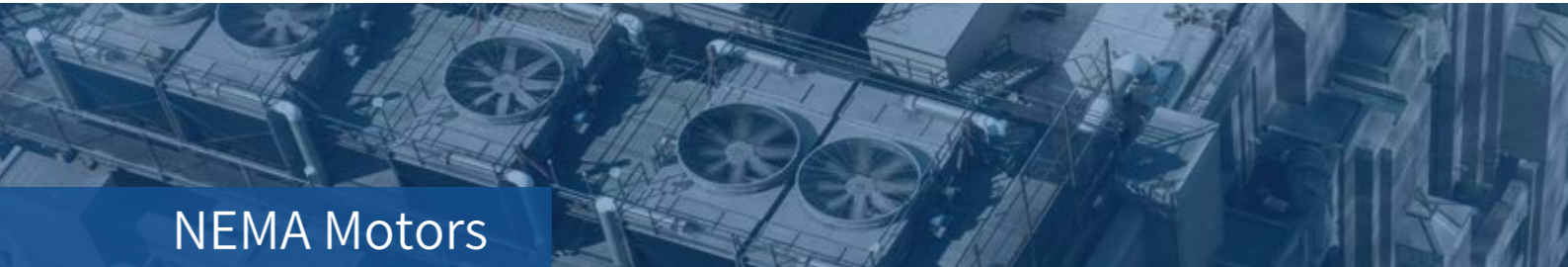
HP	RPM	FRAME	MODEL	VOLTAGE	FLA	OVER-LOAD	INS. CLASS	S.F	ENCL.	SPEED	WGT LB/KG
1/6	1725	48Y	YUM484D4	115	3.6	AUTO	B	1.35	ODP	1	13.7/6.2
	1725	48Y	YUM484D13	115/208-230	3.6/1.6-1.8	AUTO	B	1.35	ODP	1	13.7 / 6.2
1/4	1725	48Y	YUM484D5	115	5	AUTO	B	1.35	ODP	1	14.3 / 6.5
	1725	48Y	YUM484D25	115/208-230	4.6/2.2-2.3	AUTO	B	1.35	ODP	1	14.3 / 6.5
1/3	1725	48Y	YUM484D10	115	6.6	AUTO	B	1.35	ODP	1	15.2/6.9
	1725	48Y	YUM484D18	115/208-230	6.6/3.0-3.3	AUTO	B	1.35	ODP	1	15.2 / 6.9
1/2	1725	48Y	YUM484D8	115	7.6	AUTO	B	1.25	ODP	1	21.1 / 9.6
	1725	48Y	YUM484D22	115/208-230	7.6/3.7-3.8	AUTO	B	1.25	ODP	1	21.1 / 9.6
3/4	1725	48Y	YUM484D36	115	11.6	AUTO	B	1.25	ODP	1	23.3 / 10.6
	1725	48Y	YUM484D23	115/208-230	11.6/5.9-5.8	AUTO	B	1.25	ODP	1	23.3 / 10.6



### Resilient Base Motors - Single Phase Fan & Blower Service

- Drip-proof and totally enclose designs
- Industrial quality, resilient (cradle) mounted
- Capacitor start-type
- Ball bearing designs
- Moderate starting torque to reduce machinery stresses
- Suitable for belt-driven fan or fan-on-shaft applications

HP	RPM	FRAME	MODEL	VOLTAGE	FLA	OVER-LOAD	INS. CLASS	S.F	ENCL.	DUTY	WGT LB/KG
1/4	1725	48Y	YUYM484D1	115	3.9	AUTO	B	1.35	ODP	CONT.	13.8/6.3
1/3	1725	48Y	YUYM484D2	115	4.4	AUTO	B	1.35	ODP	CONT.	15.1/6.9
1/2	1725	48Y	YUYM484D3	115	5.4	AUTO	B	1.25	ODP	CONT.	19.9 / 9
3/4	1725	48Y	YUYM484D4	115	8.4	AUTO	B	1.25	ODP	CONT.	23.1 / 10.5



## NEMA Motors

## NEMA Motors

### PSC Ventilation Direct Drive Blower Motors

### PSC Ventilation Direct Drive Blower Motors



- Designed to meet manufacturer's requirements for drive ventilation units
- Capacitor Included And Mounted On PSC Models
- Automatic Reset Thermal Overload Protector
- Continuous Duty, Air Over
- Ball Bearings Unless Noted



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- Capacitor Included And Mounted On PSC Models
- Automatic Reset Thermal Overload Protector
- Continuous Duty, Air Over
- Ball Bearings Unless Noted

HP	RPM	FRAME	MODEL	VOLTAGE	FLA	OVER-LOAD	INS. CLASS	S.F.	ENCL.	SPEED	WGT LB/KG
1/10	825	48Y	YYM488A7	208-230	1.3-1.2	AUTO	B	1.0	TEAO	1	11.4/5.2
1/8	825	48Y	YYM488A5	208-230	1.0-0.9	AUTO	B	1.0	TEAO	1	11.6/5.3
1/6	825	48Y	YYM488A1	208-230	1.4-1.3	AUTO	B	1.0	TEAO	1	11.8/5.4
	825	48Y	YYM488A8	208-230	1.3-1.2	AUTO	B	1.0	TEAO	2	11.8/5.4
	1075	48Y	YYM486O24	115	2.1	AUTO	B	1.0	OPAO	4	13.2/6
	1075	48Y	YYM486A8	208-230	1.0-1.0	AUTO	B	1.0	TEAO	1	10.7/4.9
	1075	48Y	YYM486A25	208-230	1.0-0.9	AUTO	B	1.0	TEAO	2	11/5
	1075	48Y	YYM486O27	208-230	1.1-1.0	AUTO	B	1.0	OPAO	4	13.2/6
	1075	48Y	YYM486O25	277	0.8	AUTO	B	1.0	OPAO	3	11.4/5.2
	1/4	825	48Y	YYM488A2	208-230	2.2-2.3	AUTO	B	1.0	TEAO	1
825		48Y	YYM488A9	208-230	2.1-2.1	AUTO	B	1.0	TEAO	2	12.5/5.7
1075		48Y	YYM486A4	115	4	AUTO	B	1.0	TEAO	1	12.3/5.6
1075		48Y	YYM486A9	115	3.5	AUTO	B	1.0	TEAO	2	12.3/5.6
1075		48Y	YYM486O11	115	3.9	AUTO	B	1.0	OPAO	3	14.7/6.7
1075		48Y	YYM486O33	115	3.1	AUTO	B	1.0	OPAO	4	16/7.3
1075		48Y	YYM486A4	208-230	1.5-1.4	AUTO	B	1.0	TEAO	1	12.3/5.6
1075		48Y	YYM486O19	277	1.3	AUTO	B	1.0	OPAO	3	14.7/6.7
1075		48Y	YYM486A20	460	3.6-3.4	AUTO	B	1.0	TEAO	1	12.3/5.6
1625		48Y	YYM484O2	115	2.5	AUTO	B	1.0	OPAO	3	11.8/5.4
1625		48Y	YYM484O1	208-230	1.5-1.4	AUTO	B	1.0	OPAO	3	11.8/5.4
1/3		825	48Y	YYM488A11	115	5.2	AUTO	B	1.0	TEAO	1
	825	48Y	YYM488D1	208-230	3.0-3.0	AUTO	B	1.0	ODP	2	15.8/7.2
	1075	48Y	YYM486A13	115	4.3	AUTO	B	1.0	TEAO	2	15.8/7.2
	1075	48Y	YYM486O13	115	6	AUTO	B	1.0	OPAO	3	17.1/7.8
	1075	48Y	YYM486O22	115	4	AUTO	B	1.0	OPAO	4	18.2/8.3
	1075	48Y	YYM486A5	208-230	1.9-1.9	AUTO	B	1.0	TEAO	1	15.8/7.2
	1075	48Y	YYM486A22	208-230	2.3-2.1	AUTO	B	1.0	TEAO	2	15.8/7.2
	1075	48Y	YYM486O14	208-230	3.3-3.3	AUTO	B	1.0	OPAO	3	17.1/7.8
	1075	48Y	YYM486O29	208-230	2.2-2.0	AUTO	B	1.0	OPAO	4	18.2/8.3
	1075	48Y	YYM486O20	277	1.8	AUTO	B	1.0	OPAO	1	15.8/7.2
	1075	48Y	YYM486A17	460	1	AUTO	B	1.0	TEAO	3	17.1/7.8
	1625	48Y	YYM484O4	115	3.4	AUTO	B	1.0	OPAO	3	14.3/6.5
	1625	48Y	YYM484O5	208-230	2.0-1.8	AUTO	B	1.0	OPAO	3	14.3/6.5

HP	RPM	FRAME	MODEL	VOLTAGE	FLA	OVER-LOAD	INS. CLASS	S.F.	ENCL.	SPEED	WGT LB/KG	
1/2	825	48Y	YYM488A4	115	6.9	AUTO	B	1.0	TEAO	1	16.2/7.4	
	825	48Y	YYM488A6	208-230	4.4-4.9	AUTO	B	1.0	TEAO	1	16.2/7.4	
	1075	48Y	YYM486A28	115	5.9	AUTO	B	1.0	TEAO	2	18.2/8.3	
	1075	48Y	YYM486O15	115	8.6	AUTO	B	1.0	OPAO	3	20.7/9.4	
	1075	48Y	YYM486O34	115	3.1	AUTO	B	1.0	OPAO	4	21.1/9.6	
	1075	48Y	YYM486A6	208-230	3	AUTO	B	1.0	TEAO	1	16/7.3	
	1075	48Y	YYM486A23	208-230	3.1-2.8	AUTO	B	1.0	TEAO	2	18.2/8.3	
	1075	48Y	YYM486O16	208-230	3.8-3.7	AUTO	B	1.0	OPAO	3	16.5/7.5	
	1075	48Y	YYM486O30	208-230	3.3-3.0	AUTO	B	1.0	OPAO	4	20.7/9.4	
	1075	48Y	YYM486O21	277	2.9	AUTO	B	1.0	OPAO	3	20.7/9.4	
	1075	48Y	YYM486A18	460	1.5	AUTO	B	1.0	TEAO	1	18.5/8.4	
	1625	48Y	YYM484O6	115	5.4	AUTO	B	1.0	OPAO	3	15.6/7.1	
	1625	48Y	YYM484O5	208-230	2.7-2.4	AUTO	B	1.0	OPAO	3	15.6/7.1	
	3/4	1075	48Y	YYM486O17	115	9.1	AUTO	B	1.0	OPAO	3	18/8.2
		1075	48Y	YYM486O23	115	8.7	AUTO	B	1.0	OPAO	4	24.2/11
		1075	48Y	YYM486A7	208-230	5.0-4.8	AUTO	B	1.0	TEAO	1	21.1/9.6
1075		48Y	YYM486A24	208-230	4.6-4.1	AUTO	B	1.0	TEAO	2	20.7/9.4	
1075		48Y	YYM486O18	208-230	5.3-5.1	AUTO	B	1.0	OPAO	3	18.9/8.6	
1075		48Y	YYM486O31	208-230	4.8-4.4	AUTO	B	1.0	OPAO	4	24.2/11	
1075		48Y	YYM486O26	277	3.3	AUTO	B	1.0	OPAO	3	24.2/11	
1075		48Y	YYM486A19	460	7.2	AUTO	B	1.0	TEAO	1	24.2/11	
1	1625	48Y	YYM484O8	115	7.2	AUTO	B	1.0	OPAO	3	19.1/8.7	
	1625	48Y	YYM484O7	208-230	3.9-3.4	AUTO	B	1.0	OPAO	3	19.1/8.7	
	1075	48Y	YYM486O35	115	11.8	AUTO	B	1.0	OPAO	4	24.2/11	
	1075	48Y	YYM486O32	208-230	6.6-6.0	AUTO	B	1.0	OPAO	4	24.2/11	
	1075	48Y	YYM486O36	277	4.7	AUTO	B	1.0	OPAO	3	24.2/11	
	1625	48Y	YYM484O10	115	9.2	AUTO	B	1.0	OPAO	3	21.3/9.7	
1625	48Y	YYM484O9	208-230	4.9-4.4	AUTO	B	1.0	OPAO	3	21.3/9.7		



## NEMA Motors



### Single Phase 48 SST Fan Motors

- All parts made in stainless steel
- Moisture resistant sealant between frame and endbells
- Laser-etched nameplate on the motor frame

HP	RPM	FRAME	MODEL	VOLTAGE	FLA	OVER-LOAD	INS. CLASS	S.F.	ENCL.	DUTY	WGT LB/KG
1/4	1075	48Y	YYM486A36	115	3.5	AUTO	F	1.0	TEAO	CONT.	18.7 / 8.4
	1725	48Y	YYM484A4	115	3.1	AUTO	F	1.0	TEAO	CONT.	17.6 / 7.9
	3450	48Y	YYM482A2	115	2.8	AUTO	F	1.0	TEAO	CONT.	16.5 / 7.4
1/3	1075	48Y	YYM486A37	115	4.1	AUTO	F	1.0	TEAO	CONT.	21.6 / 9.8
	1725	48Y	YYM484A5	115	3.8	AUTO	F	1.0	TEAO	CONT.	18.5 / 8.3
	3450	48Y	YYM482A3	115	3.5	AUTO	F	1.0	TEAO	CONT.	18.2 / 8.2
1/2	1075	48Y	YYM486A38	115	5.8	AUTO	F	1.0	TEAO	CONT.	26.4 / 11.9
	1725	48Y	YYM484A6	115	5.4	AUTO	F	1.0	TEAO	CONT.	21.2 / 9.6
	3450	48Y	YYM482A4	115	5.2	AUTO	F	1.0	TEAO	CONT.	20.5 / 9.3



### Definite Purpose Motors Woodworking Motors

- Designed for woodworking equipment such as table saws, planers, etc
- Extra high breakdown torques for maximum cutting power
- Prevent motor problems cause by wood dust and shavings

HP	RPM	FRAME	MODEL	VOLTAGE	FLA	OVER-LOAD	INS. CLASS	S.F.	ENCL.	DUTY	WGT LB/KG
1	3450	56C	YCYN5652D-*	230	6	NONE	F	1.0	TEFC	CONT.	27.5 / 12.4
1.5	3450	56C	YCYN5652D-1	230	8.8	NONE	F	1.0	TEFC	CONT.	31.9 / 14.4
2	2850	56C	YCYGL8052	230	10.8	NONE	F	1.0	TEFC	CONT.	48 / 21.7
3	3450	56C	YCYN5692D-3	230	12.8	NONE	F	1.0	TEFC	CONT.	48 / 21.7
4	3450	56C	YCYN5692D-24	230	16.5	NONE	F	1.0	TEFC	CONT.	52.4 / 23.7



## Product Introduction

## IEC Motors





## IEC Motors

## IEC Motors



### IEC Metric 3-Phase High Efficiency Motors

- IEC standard design.
- High efficiency, NEMA premium efficiency standard.
- High quality of starting performance.
- Fit for full-load starting machine. and equipment application.
- Mounting: B3, B14, B34, B5, B35.



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HP/KW	RPM	FRAME	MODEL	VOLTAGE	FLA	EFF %	INS. CLASS	S.F	IP CODE	DUTY	WGT LB/KG
.25/.18	3430	63	YXJ6312I	230/460	0.84/0.42	72.0	F	1.15	IP55	CONT	10.0/4.5
	1700	63	YXJ6324I	230/460	1.0/0.5	68.0	F	1.15	IP55	CONT	10.0/4.5
	1120	71	YXJ7116I	230/460	1.16/0.58	64.0	F	1.15	IP55	CONT	12.6/5.7
	3430	63	YXJ6312I-1	575	0.33	72.0	F	1.15	IP55	CONT	10.0/4.5
	1700	63	YXJ6324I-1	575	0.43	68.0	F	1.15	IP55	CONT	10.0/4.5
	1120	71	YXJ7116I-1	575	0.46	64.0	F	1.15	IP55	CONT	12.6/5.7
.33/.25	3430	63	YXJ6322I	230/460	1.1/0.55	72.0	F	1.15	IP55	CONT	11.0/5.0
	1700	71	YXJ7114I	230/460	1.4/0.7	68.0	F	1.15	IP55	CONT	13.0/5.9
	1100	80	YXJ8006I	230/460	1.3/0.65	70.0	F	1.15	IP55	CONT	17.4/7.9
	3430	63	YXJ6322I-1	575	0.44	72.0	F	1.15	IP55	CONT	11.0/5.0
	1700	71	YXJ7114I-1	575	0.57	68.0	F	1.15	IP55	CONT	13.0/5.9
	1100	80	YXJ8006I-1	575	0.52	72.0	F	1.15	IP55	CONT	17.4/7.9
.50/.37	3410	71	YXJ7112I	230/460	1.6/0.8	74.0	F	1.15	IP55	CONT	13.0/5.9
	1695	71	YXJ7124I	230/460	1.8/0.9	74.0	F	1.15	IP55	CONT	15.0/6.8
	1100	80	YXJ8016I	230/460	1.9/0.95	72.0	F	1.15	IP55	CONT	19.0/8.6
	3410	71	YXJ7112I-1	575	0.66	74.0	F	1.15	IP55	CONT	13.0/5.9
	1695	71	YXJ7124I-1	575	0.74	74.0	F	1.15	IP55	CONT	15.0/6.8
	1100	80	YXJ8016I-1	575	0.76	72.0	F	1.15	IP55	CONT	19.0/8.6
	.75/.55	3400	71	YXJ7122I	230/460	2.4/1.2	74.0	F	1.15	IP55	CONT
1700		80	YXJ8014I	230/460	2.5/1.25	74.0	F	1.15	IP55	CONT	21.0/9.5
1100		80	YXJ8026I	230/460	2.7/1.35	72.0	F	1.15	IP55	CONT	22.5/10.2
3400		71	YXJ7122I-1	575	0.91	74.0	F	1.15	IP55	CONT	15.0/6.8
1700		80	YXJ8024I-1	575	1.02	74.0	F	1.15	IP55	CONT	21.0/9.5
1100		80	YXJ8026I-1	575	1.08	72.0	F	1.15	IP55	CONT	22.5/10.2

HP/KW	RPM	FRAME	MODEL	VOLTAGE	FLA	EFF %	INS. CLASS	S.F	IP CODE	DUTY	WGT LB/KG
1.0/.75	3420	80	YXJ8012P	230/460	2.8/1.4	80.0	F	1.15	IP55	CONT	21.0/9.5
	1740	80	YXJ8024P	230/460	3.0/1.5	85.5	F	1.15	IP55	CONT	30.2/13.7
	1150	90	YXJ90S6P	230/460	3.2/1.6	82.5	F	1.15	IP55	CONT	36.2/16.4
	3420	80	YXJ8012P-1	575	1.15	80.0	F	1.15	IP55	CONT	21.0/9.5
	1740	80	YXJ8024P-1	575	2.4	85.5	F	1.15	IP55	CONT	30.2/13.7
	1150	90	YXJ90S6P-1	575	2.6	82.5	F	1.15	IP55	CONT	36.2/16.4
1.5/1.1	3420	80	YXJ8022P	230/460	3.8/1.9	84.0	F	1.15	IP55	CONT	26.0/11.8
	1750	90	YXJ90S4P	230/460	4.2/2.1	88.5	F	1.15	IP55	CONT	35.0/15.9
	1100	90	YXJ90L6P	230/460	4.4/2.2	87.5	F	1.15	IP55	CONT	41.9/19.0
	3420	80	YXJ8022P-1	575	1.6	84.0	F	1.15	IP55	CONT	26.0/11.8
	1750	90	YXJ90S4P-1	575	1.8	88.5	F	1.15	IP55	CONT	35.0/15.9
2.0/1.5	1100	90	YXJ90L6P-1	575	1.8	87.5	F	1.15	IP55	CONT	41.9/19.0
	3520	90	YXJ90S2P	230/460	5.0/2.5	87.5	F	1.15	IP55	CONT	36.2/16.4
	1745	90	YXJ90L4P	230/460	5.4/2.7	87.5	F	1.15	IP55	CONT	41.9/19.0
	3520	90	YXJ90S2P-1	575	2	87.5	F	1.15	IP55	CONT	36.2/16.4
3.0/2.2	1745	90	YXJ90L4P-1	575	2.3	87.5	F	1.15	IP55	CONT	41.9/19.0
	3500	90	YXJ90L2P	230/460	7.2/3.6	87.5	F	1.15	IP55	CONT	40.0/18.2
3480	90	YXJ90L2P-1	575	3.1	87.5	F	1.15	IP55	CONT	40.0/18.2	



# IEC Motors

## IE3 High Efficiency Three Phase Asynchronous Motors



- IEC standard design.
- High efficiency, IE-3 and China Efficiency Class 3(GB18613-2020).
- High quality of starting performance.
- Fit for full-load starting machine and equipment application.
- The terminal box can meet the requirements of left out, top out and right out.
- Mounting: B3, B14, B34, B5, B35.

HP/KW	RPM	FRAME	MODEL	VOLTAGE	FLA	FREQ	INS. CLASS	S.F.	IP CODE	DUTY	WGT LB/KG
0.16/0.12	1400	63	YSJ6314H	220/380	0.83/0.48	50	F	1.0	IP55	S1	9.5/4.3
0.25/0.18	2800	63	YSJ6312H	220/380	0.91/0.53	50	F	1.0	IP55	S1	10.0/4.5
	1400	63	YSJ6324H	220/380	1.12/0.65	50	F	1.0	IP55	S1	10.6/4.8
0.33/0.25	920	71	YSJ7116H	220/380	1.35/0.78	50	F	1.0	IP55	S1	12.6/5.7
	2800	63	YSJ6322H	220/380	1.17/0.68	50	F	1.0	IP55	S1	11.0/5.0
	1400	71	YSJ7114H	220/380	1.44/0.83	50	F	1.0	IP55	S1	13.2/6.0
0.50/0.37	920	71	YSJ7126H	220/380	1.52/0.88	50	F	1.0	IP55	S1	14.5/6.6
	2800	71	YSJ7112H	220/380	1.65/0.96	50	F	1.0	IP55	S1	13.0/5.9
	1400	71	YSJ7124H	220/380	1.9/1.1	50	F	1.0	IP55	S1	15.4/7.0
0.75/0.55	920	80	YSJ8016H	220/380	2.1/1.2	50	F	1.0	IP55	S1	22.5/10.2
	2800	71	YSJ7122H	220/380	2.33/1.35	50	F	1.0	IP55	S1	15.0/6.8
	1420	80	YSJ8014H	220/380	2.6/1.5	50	F	1.0	IP55	S1	22.0/10.0
1.0/0.75	920	80	YSJ8026H	220/380	2.8/1.6	50	F	1.0	IP55	S1	25.1/11.4
	2820	80	YSJ8012H	220/380	3.0/1.7	50	F	1.0	IP55	S1	21.0/9.5
	1420	80	YSJ8024H	220/380	3.26/1.88	50	F	1.0	IP55	S1	24.9/11.3
	950	90	YSJ90S6H	220/380	3.5/2.0	50	F	1.0	IP55	S1	34.4/15.6
	700	100	YSJ100L1-8H	380	2.3	50	F	1.0	IP55	S1	50.7/23.0

HP/KW	RPM	FRAME	MODEL	VOLTAGE	FLA	FREQ	INS. CLASS	S.F.	IP CODE	DUTY	WGT LB/KG
1.5/1.1	2880	80	YSJ8022H	220/380	4.2/2.4	50	F	1.0	IP55	S1	24.5/11.1
	1440	90	YSJ90S4H	220/380	4.5/2.6	50	F	1.0	IP55	S1	35.9/16.3
	950	90	YSJ90L6H	220/380	5.2/3.0	50	F	1.0	IP55	S1	37.0/16.8
	700	100	YSJ100L2-8H	380	3.2	50	F	1.0	IP55	S1	61.7/28.0
2.0/1.5	2900	90	YSJ90S2H	220/380	5.5/3.2	50	F	1.0	IP55	S1	35.7/16.2
	1440	90	YSJ90L4H	220/380	6.1/3.5	50	F	1.0	IP55	S1	38.6/17.5
	950	100	YSJ100L-6H	380	3.9	50	F	1.0	IP55	S1	54.0/24.5
	700	112	YSJ112M-8H	380	4.4	50	F	1.0	IP55	S1	64.0/29.0
3.0/2.2	2900	90	YSJ90L2H	220/380	7.8/4.5	50	F	1.0	IP55	S1	39.0/17.7
	1440	100	YSJ100L1-4H	380	4.7	50	F	1.0	IP55	S1	62.8/28.5
	950	112	YSJ112M-6H	380	5.3	50	F	1.0	IP55	S1	65.0/29.5
	720	132	YSJ132S-8H	380	6.0	50	F	1.0	IP55	S1	90.4/41.0
4.0/3.0	2880	100	YSJ100L-2H	380	6.0	50	F	1.0	IP55	S1	66.1/30.0
	1440	100	YSJ100L2-4H	380	6.3	50	F	1.0	IP55	S1	66.1/30.0
	960	132	YSJ132S-6H	380	6.9	50	F	1.0	IP55	S1	83.8/38.0
	720	132	YSJ132M-8H	380	7.7	50	F	1.0	IP55	S1	110.2/50.0
5.5/4.0	2900	112	YSJ112M-2H	380	7.6	50	F	1.0	IP55	S1	62.8/28.5
	1450	112	YSJ112M-4H	380	8.4	50	F	1.0	IP55	S1	80.5/36.5
	960	132	YSJ132M1-6H	380	9.0	50	F	1.0	IP55	S1	99.2/45.0
7.5/5.5	2910	132	YSJ132S1-2H	380	10.5	50	F	1.0	IP55	S1	90.4/41.0
	1455	132	YSJ132S-4H	380	11.0	50	F	1.0	IP55	S1	101.4/46.0
	960	132	YSJ132M2-6H	380	12.1	50	F	1.0	IP55	S1	119.0/54.0
10.0/7.5	2910	132	YSJ132S2-2H	380	13.9	50	F	1.0	IP55	S1	105.8/48.0
	1455	132	YSJ132M-4H	380	14.7	50	F	1.0	IP55	S1	114.6/52.0



# IEC Motors

## IE4 High Efficiency Three Phase Asynchronous Motors



- IEC standard design.
- High efficiency, IE-4 and China Efficiency Class 2(GB18613-2020).
- High quality of starting performance.
- Fit for full-load starting machine and equipment application.
- The terminal box can meet the requirements of left out, top out and right out.
- Mounting: B3, B14, B34, B5, B35.

HP/KW	RPM	FRAME	MODEL	VOLTAGE	FLA	FREQ	INS. CLASS	S.F.	IP CODE	DUTY	WGT LB/KG
0.16/0.12	1400	63	YSJ6314G	220/380	0.78/0.45	50	F	1.0	IP55	S1	9.5/4.3
0.25/0.18	2800	63	YSJ6312G	220/380	0.90/0.52	50	F	1.0	IP55	S1	10.0/4.5
	1400	63	YSJ6324G	220/380	1.07/0.62	50	F	1.0	IP55	S1	10.6/4.8
0.33/0.25	920	71	YSJ7116G	220/380	1.21/0.70	50	F	1.0	IP55	S1	14.5/6.6
	2800	63	YSJ6322G	220/380	1.14/0.66	50	F	1.0	IP55	S1	11.0/5.0
	1400	71	YSJ7114G	220/380	1.29/0.75	50	F	1.0	IP55	S1	13.9/6.3
0.50/0.37	920	71	YSJ7126G	220/380	1.52/0.88	50	F	1.0	IP55	S1	17.2/7.8
	2800	71	YSJ7112G	220/380	1.55/0.90	50	F	1.0	IP55	S1	14.5/6.6
	1400	71	YSJ7124G	220/380	1.81/1.05	50	F	1.0	IP55	S1	17.2/7.8
0.75/0.55	920	80	YSJ8016G	220/380	1.87/1.08	50	F	1.0	IP55	S1	22.5/10.2
	2800	71	YSJ7122G	220/380	2.25/1.30	50	F	1.0	IP55	S1	17.2/7.8
	1420	80	YSJ8014G	220/380	2.51/1.45	50	F	1.0	IP55	S1	22.0/10.0
1.0/0.75	920	80	YSJ8026G	220/380	2.68/1.55	50	F	1.0	IP55	S1	25.1/11.4
	2820	80	YSJ8012G	220/380	2.85/1.65	50	F	1.0	IP55	S1	22.0/10.0
	1420	80	YSJ8024G	220/380	3.12/1.80	50	F	1.0	IP55	S1	26.4/12.0
	950	90	YSJ90S6G	220/380	3.30/1.90	50	F	1.0	IP55	S1	34.4/15.6
	700	100	YSJ100L1-8G	380	2.3	50	F	1.0	IP55	S1	50.7/23.0

HP/KW	RPM	FRAME	MODEL	VOLTAGE	FLA	FREQ	INS. CLASS	S.F.	IP CODE	DUTY	WGT LB/KG
1.5/1.1	2880	80	YSJ8022G	220/380	4.07/2.35	50	F	1.0	IP55	S1	26.2/11.9
	1440	90	YSJ90S4G	220/380	4.33/2.50	50	F	1.0	IP55	S1	36.8/16.7
	950	90	YSJ90L6G	220/380	4.93/2.85	50	F	1.0	IP55	S1	40.3/18.3
	700	100	YSJ100L2-8G	380	3.2	50	F	1.0	IP55	S1	57.3/26.0
2.0/1.5	2900	90	YSJ90S2G	220/380	5.37/3.10	50	F	1.0	IP55	S1	35.7/16.2
	1440	90	YSJ90L4G	220/380	5.72/3.30	50	F	1.0	IP55	S1	42.5/19.3
	950	100	YSJ100L-6G	380	3.9	50	F	1.0	IP55	S1	59.5/27.0
	700	112	YSJ112M-8G	380	4.2	50	F	1.0	IP55	S1	68.3/31.0
3.0/2.2	2900	90	YSJ90L2G	220/380	7.80/4.50	50	F	1.0	IP55	S1	40.1/18.2
	1440	100	YSJ100L1-4G	380	4.7	50	F	1.0	IP55	S1	63.9/29.0
	950	112	YSJ112M-6G	380	5.5	50	F	1.0	IP55	S1	70.5/32.0
	720	132	YSJ132S-8G	380	5.9	50	F	1.0	IP55	S1	96.9/44.0
4.0/3.0	2880	100	YSJ100L-2G	380	6.0	50	F	1.0	IP55	S1	61.7/28.0
	1440	100	YSJ100L2-4G	380	6.5	50	F	1.0	IP55	S1	74.9/34.0
	960	132	YSJ132S-6G	380	7.4	50	F	1.0	IP55	S1	96.9/44.0
	720	132	YSJ132M-8G	380	7.8	50	F	1.0	IP55	S1	110.2/50.0
5.5/4.0	2900	112	YSJ112M-2G	380	7.8	50	F	1.0	IP55	S1	61.7/28.0
	1450	112	YSJ112M-4G	380	8.5	50	F	1.0	IP55	S1	83.7/38.0
	960	132	YSJ132M1-6G	380	9.6	50	F	1.0	IP55	S1	107.9/49.0
7.5/5.5	2910	132	YSJ132S1-2G	380	10.6	50	F	1.0	IP55	S1	96.9/44.0
	1455	132	YSJ132S-4G	380	11.9	50	F	1.0	IP55	S1	116.7/53.0
	960	132	YSJ132M2-6G	380	13.1	50	F	1.0	IP55	S1	130.0/59.0
10.0/7.5	2910	132	YSJ132S2-2G	380	14.1	50	F	1.0	IP55	S1	107.9/49.0
	1455	132	YSJ132M-4G	380	15.8	50	F	1.0	IP55	S1	134.3/61.0



## IEC Motors



### YCJ Series Single-Phase Capacitor-Start Motors

- IEC standard Design
- High quality of starting performance.
- Apply to fan/blower, pump, compressor and etc
- Mounting: B3 ,B14 , B34 , B5, B35.

HP/KW	RPM	FRAME	MODEL	VOLTAGE	FLA	INS. CLASS	S.F.	IP CODE	DUTY	WGT LB/KG
.16/.12	1400	71	YCJ7114	220	1.81	B	1.0	IP55	S1	12.4/5.6
	2800	71	YCJ7112	220	1.96	B	1.0	IP55	S1	12.8/5.8
.25/.18	1400	71	YCJ7124	220	2.49	B	1.0	IP55	S1	14.3/6.5
	2800	71	YCJ7122	220	2.54	B	1.0	IP55	S1	14.3/6.5
.33/.25	1400	80	YCJ8014	220	3.38	B	1.0	IP55	S1	18.5/8.4
	2800	80	YCJ8012	220	3.63	B	1.0	IP55	S1	19.0/8.6
.50/.37	1400	80	YCJ8024	220	4.28	B	1.0	IP55	S1	21.6/9.8
	2800	80	YCJ8022	220	5.47	B	1.0	IP55	S1	22.0/10.0
.75/.55	1400	90	YCJ90S4	220	5.35	B	1.0	IP55	S1	28.4/12.9
	2800	90	YCJ90S2	220	6.55	B	1.0	IP55	S1	28.9/13.1
1.0/.75	1400	90	YCJ90L4	220	6.85	B	1.0	IP55	S1	33.5/15.2
	2800	90	YCJ90L2	220	8.6	B	1.0	IP55	S1	35.5/16.1



### YLJ Series Single-Phase Capacitor-Start & Capacitor-Run Motors

- ICE standard design.
- High quality of starting performance
- Apply to fan/blower, pump, compressor and small machine.
- Mounting: B3,B14,B34,B5,B35.

HP/KW	RPM	FRAME	MODEL	VOLTAGE	FLA	INS. CLASS	S.F.	IP CODE	DUTY	WGT LB/KG
.33/.25	1400	71	YLJ7114	220	2.05	F	1.0	IP55	S1	13.2/6.0
	2800	71	YLJ7112	220	2.47	F	1.0	IP55	S1	13.2/6.0
.50/.37	1400	71	YLJ7124	220	3.09	F	1.0	IP55	S1	15.4/7.0
	2800	71	YLJ7122	220	3.4	F	1.0	IP55	S1	15.4/7.0
.75/.55	1420	80	YLJ8014	220	3.6	F	1.0	IP55	S1	21.4/9.7
	2830	80	YLJ8012	220	4.76	F	1.0	IP55	S1	20.0/9.1
1.0/.75	1420	80	YLJ8024	220	4.5	F	1.0	IP55	S1	22.5/10.2
	2830	80	YLJ8022	220	6.66	F	1.0	IP55	S1	23.1/10.5
1.5/1.1	1420	90	YLJ90L4	220	6.51	F	1.0	IP55	S1	34.2/15.5
	2850	90	YLJ90L2	220	8.6	F	1.0	IP55	S1	36.2/16.4
2.0/1.5	1420	90	YLJ90LB4	220	8.85	F	1.0	IP55	S1	38.6/17.5
	2830	90	YLJ90LB2	220	12.53	F	1.0	IP55	S1	38.6/17.5



## IEC Motors



### YUJ Series Single-Phase Split Phase Induct Motors

- IEC standard design
- Apply to fans/blowers, pump ,compressor and etc
- Mounting: B3, B14, B34, B5, B35

HP/KW	RPM	FRAME	MODEL	VOLTAGE	FLA	INS. CLASS	S.F.	IP CODE	DUTY	WGT LB/KG
.16/.12	1400	71	YUJ7114	220	1.81	B	1.0	IP55	S1	12.3/5.6
	2800	71	YUJ7112	220	1.96	B	1.0	IP55	S1	12.8/5.8
.25/.18	1400	71	YUJ7124	220	2.49	B	1.0	IP55	S1	13.9/6.3
	2800	71	YUJ7122	220	2.54	B	1.0	IP55	S1	14.3/6.5
.33/.25	1400	80	YUJ8014	220	3.38	B	1.0	IP55	S1	18.5/8.4
	2800	80	YUJ8012	220	3.63	B	1.0	IP55	S1	18.7/8.5
.50/.37	1400	80	YUJ8024	220	4.28	B	1.0	IP55	S1	21.8/9.9
	2800	80	YUJ8022	220	5.47	B	1.0	IP55	S1	22.0/10.0



### YYJ Series Single-Phase Capacitor Running Motors

- IEC standard design
- Apply to fan/blower, pump ,compressor and etc
- Mounting: B3, B14, B34, B5, B35

HP/KW	RPM	FRAME	MODEL	VOLTAGE	FLA	INS. CLASS	S.F.	IP CODE	DUTY	WGT LB/KG
.16/.12	1400	63	YYJ6314	220	1.06	B	1.0	IP55	S1	10.2/4.6
	2800	63	YYJ6312	220	1.37	B	1.0	IP55	S1	10.4/4.7
.25/.18	1400	63	YYJ6324	220	1.54	B	1.0	IP55	S1	12.6/5.7
	2800	63	YYJ6322	220	1.87	B	1.0	IP55	S1	12.8/5.8
.33/.25	1400	71	YYJ7114	220	1.97	B	1.0	IP55	S1	13.7/6.2
	2800	71	YYJ7112	220	2.77	B	1.0	IP55	S1	14.3/6.5
.50/.37	1400	71	YYJ7124	220	2.87	B	1.0	IP55	S1	16.3/7.4
	2800	71	YYJ7122	220	3.87	B	1.0	IP55	S1	17.0/7.7
.75/.55	1400	80	YYJ8014	220	3.83	B	1.0	IP55	S1	21.4/9.7
	2800	80	YYJ8012	220	4.88	B	1.0	IP55	S1	22.0/10.0
1.0/.75	1400	80	YYJ8024	220	4.8	B	1.0	IP55	S1	25.1/11.4
	2800	80	YYJ8022	220	7.67	B	1.0	IP55	S1	26.5/12.0

# IEC Motors



## YJE3 Series High Efficiency 3 phase Asynchronous Motors

- Frame No. 80-355; Power 0.75-315kw; Duty S1; IC Code IC411
- High efficiency and energy saving, low noise and little vibration, running smoothly, The insulation class is F; Protective class is IP54 or IP55, Meeting the requirements of efficiency level in accordance with GB18613-2020 Level 3, and IEC 60034-30 level IE3.
- Applications: General purpose including cutting. machines, pumps,fans, conveyors,machines tools of farm duty and food process.
- Circumstance for use: The altitude shall not exceed 1000m above sea level. The ambient temperature shall not exceed 40°C and not less than -15°C.

Performance Data(380V 50Hz)										
Model	Rated Output (KW)	At Full Load				Locked current / Rated	Torque			Weight (Kg)
		Speed (r/min) r/min	Current (A)	Eff. (%)	P.F (Cosφ)		Locked / Rated	Locked / Rated	Maximum / Rated	
Synchronous speed 3000r/min										
YJE3-80M1-2	0.75	2845	1.7	80.7	0.82	7	2.3	2.3	18	
YJE3-80M2-2	1.1	2845	2.4	82.7	0.83	7.3	2.2	2.3	19	
YJE3-90S-2	1.5	2865	3.2	84.2	0.84	7.6	2.2	2.3	24	
YJE3-90L-2	2.2	2865	4.6	85.9	0.85	7.6	2.2	2.3	27	
YE-2-100L-2	3	2870	6	87.1	0.87	7.8	2.2	2.3	36	
YJE3-112M-2	4	2880	7.8	88.1	0.88	8.3	2.2	2.3	45	
YJE3-132S1-2	5.5	2925	10.6	89.2	0.88	8.3	2.0	2.3	69	
YJE3-132S2-2	7.5	2925	14.4	90.1	0.88	7.9	2.0	2.3	85	
YJE3-160M1-2	11	2935	20.6	91.2	0.89	8.1	2.0	2.3	120	
YJE3-160M2-2	15	2935	27.9	91.9	0.89	8.1	2.0	2.3	135	
YJE3-160L-2	18.5	2935	34.2	92.4	0.89	8.2	2.0	2.3	150	
YJE3-180M-2	22	2950	40.5	92.7	0.89	8.2	2.0	2.3	185	
YJE3-200L1-2	30	2960	54.9	93.3	0.89	7.6	2.0	2.3	240	
YJE3-200L2-2	37	2960	67.4	93.7	0.89	7.6	2.0	2.3	260	
YJE3-225M-2	45	2960	80.8	94	0.90	7.7	2.0	2.3	320	
YJE3-250M-2	55	2970	98.5	94.3	0.90	7.7	2.0	2.3	396	
YJE3-280S-2	75	2975	133.7	94.7	0.90	7.1	1.8	2.3	550	
YJE3-280M-2	90	2980	159.9	95	0.90	7.1	1.8	2.3	630	
YJE3-315S-2	110	2975	195.1	95.2	0.90	7.1	1.8	2.3	980	
YJE3-315M-2	132	2980	233.6	95.4	0.90	7.1	1.8	2.3	1080	
YJE3-315L1-2	160	2980	279.4	95.6	0.91	7.2	1.8	2.3	1160	
YJE3-315L2-2	200	2980	348.6	95.8	0.91	7.2	1.8	2.2	1220	
YJE3-355M-2	250	2985	435.7	95.8	0.91	7.2	1.6	2.2	1880	
YJE3-355L-2	315	2990	549	95.8	0.91	7.2	1.6	2.2	2050	
YJE3-3551-2	355	2990	619	95.8	0.91	7.2	1.6	2.2	2250	
YJE3-3552-2	375	2990	654	95.8	0.91	7.2	1.6	2.2	2350	

Synchronous speed 1500r/min									
YJE3-80M2-4	0.75	1415	1.8	82.5	0.75	6.6	2.3	2.3	20
YJE3-90S-4	1.1	1420	2.6	84.1	0.76	6.8	2.3	2.3	24
YJE3-90L-4	1.5	1420	3.5	85.3	0.77	7	2.3	2.3	30
YJE3-100L1-4	2.2	1440	4.8	86.7	0.81	7.6	2.3	2.3	37
YJE3-100L2-4	3	1440	6.3	87.7	0.82	7.6	2.3	2.3	41
YJE3-112M-4	4	1445	8.4	88.6	0.82	7.8	2.2	2.3	48
YJE3-132S-4	5.5	1460	11.2	89.6	0.83	7.9	2.0	2.3	71
YJE3-132M-4	7.5	1460	15	90.4	0.84	7.5	2.0	2.3	83
YJE3-160M-4	11	1460	21.5	91.4	0.85	7.7	2.2	2.3	128
YJE3-160L-4	15	1460	28.8	92.1	0.86	7.8	2.2	2.3	149
YJE3-180M-4	18.5	1475	35.3	92.6	0.86	7.8	2.0	2.3	185
YJE3-180L-4	22	1475	41.8	93	0.86	7.8	2.0	2.3	200
YJE3-200L-4	30	1480	56.6	93.6	0.86	7.3	2.0	2.3	258
YJE3-225S-4	37	1485	69.6	93.9	0.86	7.4	2.0	2.3	314
YJE3-225M-4	45	1485	84.4	94.2	0.86	7.4	2.0	2.3	347
YJE3-250M-4	55	1485	102.7	94.6	0.86	7.4	2.2	2.3	430
YJE3-280S-4	75	1490	136.3	95	0.88	6.9	2	2.3	610
YJE3-280M-4	90	1490	163.2	95.2	0.88	6.9	2	2.3	680
YJE3-315S-4	110	1490	196.8	95.4	0.89	7	2	2.2	970
YJE3-315M-4	132	1490	235.7	95.6	0.89	7	2	2.2	1060
YJE3-315L1-4	160	1490	285.1	95.8	0.89	7.1	2	2.2	1160
YJE3-315L2-4	200	1490	351.7	96	0.9	7.1	2	2.2	1270
YJE3-355M-4	250	1490	439.6	96	0.9	7.1	2	2.2	1815
YJE3-355L-4	315	1490	553.9	96	0.9	7.1	2	2.2	2130
YJE3-3551-4	355	1490	439.6	96	0.88	7	1.7	2.2	2280
YJE3-3552-4	375	1490	553.9	96	0.88	7	1.7	2.2	2350

Synchronous speed 1000r/min									
YJE3-90S-6	0.75	920	2	78.9	0.71	6	2	2.1	25
YJE3-90L-6	1.1	920	2.8	81	0.73	6	2	2.1	29
YJE3-100L-6	1.5	930	3.8	82.5	0.73	6.5	2	2.1	36
YJE3-112M-6	2.2	945	5.4	84.3	0.74	6.5	2	2.1	45
YJE3-132S-6	3	965	7.2	85.6	0.74	6.8	2	2.1	69
YJE3-132M1-6	4	965	9.5	86.8	0.74	6.8	2	2.1	80
YJE3-132M2-6	5.5	965	12.7	88	0.75	7	2.0	2.1	89
YJE3-160M-6	7.5	970	16.2	89.1	0.79	7	2.0	2.1	135
YJE3-160L-6	11	970	23.1	90.3	0.8	7.2	2.0	2.1	160
YJE3-180L-6	15	985	30.9	91.2	0.81	7.3	2.0	2.1	195
YJE3-200L1-6	18.5	985	37.8	91.7	0.81	7.3	2.0	2.1	257
YJE3-200L2-6	22	985	44.8	92.2	0.81	7.4	2.0	2.1	308
YJE3-225M-6	30	985	59.1	92.9	0.83	6.9	2.0	2.1	315
YJE3-250M-6	37	985	71.7	93.3	0.84	7.1	2.0	2.1	410
YJE3-280S-6	45	990	85.8	93.7	0.85	7.3	2.0	2	540
YJE3-280M-6	55	990	103.3	94.1	0.86	7.3	2.0	2	610
YJE3-315S-6	75	990	143.4	94.6	0.84	6.6	2	2	990
YJE3-315M-6	90	990	169.5	94.9	0.85	6.7	2	2	1080
YJE3-315L1-6	110	990	206.8	95.1	0.85	6.7	2	2	1150
YJE3-315L2-6	132	990	244.5	95.4	0.86	6.8	2	2	1210
YJE3-355M1-6	160	990	295.7	95.6	0.86	6.8	1.8	2	1760
YJE3-355M2-6	200	990	364.6	95.8	0.87	6.8	1.8	2	1850
YJE3-355L-6	250	990	455.7	95.8	0.87	6.8	1.8	2	2050
YJE3-3552-6	315	990	455.7	95.8	0.86	6.8	1.8	2	2300





# IEC Motors

## YJE4 Series High Efficiency 3 phase Asynchronous Motors



- Frame No. 80-355; Power 0.75-315kw; Duty S1; IC Code IC411
- Features: High efficiency and energy saving, low noise and little vibration, running smoothly, The insulation class is F; Protective class is IP54 or IP55, Meeting the requirements of efficiency level in accordance with GB18613-2020 Level 2, and IEC 60034-30 level IE4.
- Applications: General purpose including cutting machines, pumps, fans, conveyors, machines tools of farm duty and food process.
- Circumstance for use: The altitude shall not exceed 1000m above sea level. The ambient temperature shall not exceed 40°C and not less than -15°C.

Performance Data(380V 50Hz)									
Model	Rated Output (KW)	At Full Load				Locked current / Rated	Torque		Weight (Kg)
		Speed (r/min) r/min	Current (A)	Eff. (%)	P.F (Cosφ)		Locked / Rated	Maximum / Rated	
Synchronous speed 3000r/min									
YJE4-80M1-2	0.75	2870	1.64	83.5	0.83	8.5	2.2	2.3	19
YJE4-80M2-2	1.1	2870	2.36	85.2	0.83	8.5	2.2	2.3	20
YJE4-90S-2	1.5	2900	3.1	86.5	0.85	9	2.2	2.3	25
YJE4-90L-2	2.2	2900	4.42	88	0.86	9	2.2	2.3	35
YJE4-100L-2	3	2900	5.9	89.1	0.87	9.5	2.2	2.3	45
YJE4-112M-2	4	2910	7.7	90	0.88	9.5	2.2	2.3	50
YJE4-132S1-2	5.5	2940	10.4	90.9	0.88	9.5	2	2.3	85
YJE4-132S2-2	7.5	2940	14	91.7	0.89	9.5	2	2.3	95
YJE4-160M1-2	11	2950	20.3	92.6	0.89	9.5	2	2.3	135
YJE4-160M2-2	15	2950	27.4	93.3	0.89	9.5	2	2.3	150
YJE4-160L-2	18.5	2950	33.7	93.7	0.89	9.5	2	2.3	170
YJE4-180M-2	22	2960	40	94	0.89	9.5	2	2.3	245
YJE4-200L1-2	30	2970	54.2	94.5	0.89	9	2	2.3	330
YJE4-200L2-2	37	2970	66.6	94.8	0.89	9	2	2.3	345
YJE4-225M-2	45	2970	80.9	95	0.89	9	2	2.3	440
YJE4-250M-2	55	2975	98.5	95.3	0.89	9	2	2.3	550
YJE4-280S-2	75	2980	134	95.6	0.89	8.5	1.8	2.3	685
YJE4-280M-2	90	2980	160	95.8	0.89	8.5	1.8	2.3	735
YJE4-315S-2	110	2980	196	96	0.89	8.5	1.8	2.3	1300
YJE4-315M-2	132	2980	234	96.2	0.89	8.5	1.8	2.3	1370
YJE4-315L1-2	160	2980	284	96.3	0.89	8.5	1.8	2.2	1465
YJE4-315L-2	185	2980	328	96.4	0.89	8.5	1.8	2.2	1545
YJE4-315L2-2	200	2980	354	96.5	0.89	8.5	1.8	2.2	1545
YJE4-355M1-2	220	2985	381	96.5	0.91	8.5	1.6	2.2	1720
YJE4-355M2-2	250	2985	433	96.5	0.91	8.5	1.6	2.2	1830
YJE4-355L1-2	280	2985	484	96.5	0.91	8.5	1.6	2.2	1960
YJE4-355L2-2	315	2985	545	96.5	0.91	8.5	1.6	2.2	2160

Synchronous speed 1500r/min									
YJE4-80M1-4	0.55	1435	1.33	83.9	0.75	8.5	2.3	2.3	20
YJE4-80M2-4	0.75	1435	1.8	85.7	0.74	8.5	2.3	2.3	20
YJE4-90S-4	1.1	1440	2.56	87.2	0.75	8.5	2.3	2.3	27
YJE4-90L-4	1.5	1440	3.4	88.2	0.76	9	2.3	2.3	30
YJE4-100L1-4	2.2	1460	4.73	89.5	0.79	9	2.3	2.3	43
YJE4-100L2-4	3	1460	6.3	90.4	0.8	9.5	2.3	2.3	50
YJE4-112M-4	4	1460	8.3	91.1	0.8	9.5	2.3	2.3	55
YJE4-132S-4	5.5	1470	11.4	91.9	0.8	9.5	2	2.3	100
YJE4-132M-4	7.5	1470	15.2	92.6	0.81	9.5	2	2.3	115
YJE4-160M-4	11	1475	21.6	93.3	0.83	9.5	2	2.3	150
YJE4-160L-4	15	1475	28.9	93.9	0.84	9.5	2	2.3	175
YJE4-180M-4	18.5	1480	35.1	94.2	0.85	9.5	2	2.3	245
YJE4-180L-4	22	1480	41.6	94.5	0.85	9.5	2	2.3	260
YJE4-200L-4	30	1485	56.5	94.9	0.85	9	2	2.3	370
YJE4-225S-4	37	1485	69.5	95.2	0.85	9	2	2.3	410
YJE4-225M-4	45	1485	84.3	95.4	0.85	9	2	2.3	435
YJE4-250M-4	55	1485	102	95.7	0.86	9	2	2.3	555
YJE4-280S-4	75	1488	136	96	0.87	8.5	2	2.3	720
YJE4-280M-4	90	1488	162	96.1	0.88	8.5	2	2.3	790
YJE4-315S-4	110	1490	195	96.3	0.89	8.5	1.8	2.2	1320
YJE4-315M-4	132	1490	234	96.4	0.89	8.5	1.8	2.2	1390
YJE4-315L1-4	160	1490	280	96.6	0.9	8.5	1.8	2.2	1460
YJE4-315L-4	185	1490	323	96.7	0.9	8.5	1.8	2.2	1520
YJE4-315L2-4	200	1490	349	96.7	0.9	8.5	1.8	2.2	1545
YJE4-355M1-4	220	1490	384	96.7	0.9	8.5	1.8	2.2	1750
YJE4-355M2-4	250	1490	436	96.7	0.9	8.5	1.8	2.2	1840
YJE4-355L1-4	280	1490	489	96.7	0.9	8.5	1.8	2.2	1930
YJE4-355L2-4	315	1490	550	96.7	0.9	8.5	1.8	2.2	2280

Synchronous speed 1000r/min									
YJE4-90S-6	0.75	950	1.97	82.7	0.7	7.5	2.1	2.1	25
YJE4-90L-6	1.1	950	2.83	84.5	0.7	7.5	2.1	2.1	30
YJE4-100L-6	1.5	955	3.74	85.9	0.71	7.5	2.1	2.1	40
YJE4-112M-6	2.2	960	5.4	87.4	0.71	7.5	2.1	2.1	46
YJE4-132S-6	3	970	7.2	88.6	0.71	7.5	2	2.1	85
YJE4-132M1-6	4	970	9.4	89.5	0.72	8	2	2.1	95
YJE4-132M2-6	5.5	970	12.8	90.5	0.72	8	2	2.1	110
YJE4-160M-6	7.5	975	16.4	91.3	0.76	8	2	2.1	150
YJE4-160L-6	11	975	23.5	92.3	0.77	8.5	2	2.1	170
YJE4-180L-6	15	980	30.7	92.9	0.8	8.5	2	2.1	205
YJE4-200L1-6	18.5	985	37.6	93.4	0.8	8.5	2	2.1	310
YJE4-200L2-6	22	985	44	93.7	0.81	8.5	2	2.1	330
YJE4-225M-6	30	985	59	94.2	0.82	8.3	2	2.1	400
YJE4-250M-6	37	985	71.7	94.5	0.83	8.3	2	2.1	480
YJE4-280S-6	45	990	86.9	94.8	0.83	8.5	2	2	705
YJE4-280M-6	55	990	105	95.1	0.84	8.5	2	2	765
YJE4-315S-6	75	990	142	95.4	0.84	8	1.6	2	1265
YJE4-315M-6	90	990	168	95.6	0.85	8	1.6	2	1335
YJE4-315L1-6	110	990	205	95.8	0.85	8	1.6	2	1465
YJE4-315L2-6	132	990	243	96	0.86	8	1.6	2	1525
YJE4-355M1-6	160	990	294	96.2	0.86	8	1.6	2	1680
YJE4-355M-6	185	990	339	96.3	0.86	8	1.6	2	1780
YJE4-355M2-6	200	990	367	96.3	0.86	8	1.6	2	1810
YJE4-355L1-6	220	990	403	96.4	0.86	8	1.6	2	1960
YJE4-355L2-6	250	990	458	96.5	0.86	8	1.6	2	2250



# IEC Motors

## CNS Series 3 Phase Asynchronous Motors



- This series is designed according to CNS and IEC standards, the efficiency conforms to IEC60034-30 IE3 energy grade.
- Compared with GB standard series motors, the frame number of 180 frame and above is smaller, and the motor is more compact.
- Applications: General purpose including cutting machines, pumps, fans, conveyors, machines tools and food process equipments.
- Circumstance for use: The altitude shall not exceed 1000m above sea level. The ambient temperature shall not exceed 40°C and not less than -15°C.

Performance Data 380V 50Hz										
Model	HP	kW	At Full Load				Locked/ Rated current I <sub>st</sub>	Locked/ Rated torque T <sub>st</sub>	Maximum/ Rated torque T <sub>max</sub>	Weight
			Current	Speed	Eff.	P.F				
			A	r/min	%	CosΦ				
YJE3-80M1-2N	1	0.75	1.74	2880	80.7	0.81	7	2	3	18.2
YJE3-90L1-2N	2	1.5	3.22	2875	84.2	0.84	7.3	2.2	3.2	22
YJE3-90L2-2N	3	2.2	4.42	2875	85.9	0.88	7.3	2.2	3.2	25.3
YJE3-112M1-2N	5	3.7	7.3	2890	87.8	0.88	8.3	3	3.7	42.3
YJE3-132S1-2N	7.5	5.5	10.6	2905	89.2	0.88	8.3	2	2.3	62
YJE3-132S2-2N	10	7.5	14.5	2905	90.1	0.87	8.1	2	2.3	70.2
YJE3-160M1-2N	15	11	20.6	2930	91.2	0.89	8.1	2	2.3	115.5
YJE3-160M2-2N	20	15	27.9	2945	91.9	0.89	8.1	2	2.3	122.5
YJE3-160L-2N	25	18.5	33.8	2940	92.4	0.9	8.2	2	2.3	133.7
YJE3-180M-2N	30	22	40.5	2950	92.7	0.89	8.2	2	2.3	186
YJE3-180L-2N	40	30	54.9	2950	93.3	0.89	8.2	2	2.3	203
YJE3-200L2-2N	50	37	68.2	2950	93.7	0.88	7.6	1.8	2.3	298
YJE3-200L3-2N	60	45	82.0	2950	94	0.89	7.6	1.8	2.3	303
YJE3-225S-2N	75	55	100.0	2970	94.3	0.89	7.6	1.8	2.3	400
YJE3-250S1-2N	100	75	132.0	2970	94.7	0.91	7.6	1.8	2.3	515
YJE3-250M2-2N	125	90	162.0	2970	95	0.89	7.6	1.8	2.3	550

Performance Data 380V 50Hz										
Model	HP	kW	At Full Load				Locked/ Rated current I <sub>st</sub>	Locked/ Rated torque T <sub>st</sub>	Maximum/ Rated torque T <sub>max</sub>	Weight
			Current	Speed	Eff.	P.F				
			A	r/min	%	CosΦ				
YJE3-80M2-4N	1	0.75	1.8	1420	82.5	0.75	6.6	2.3	2.3	20
YJE3-90L-4N	2	1.5	3.6	1425	85.3	0.74	6.8	2.3	2.3	26.5
YJE3-100L1-4N	3	2.2	4.9	1445	86.7	0.79	7.6	2.3	2.3	34.4
YJE3-112M1-4N	5	3.7	8.0	1450	88.3	0.8	7.8	2.2	2.3	47.5
YJE3-132S-4N	7.5	5.5	11.2	1465	89.6	0.83	7.9	2	2.3	64
YJE3-132M-4N	10	7.5	15.2	1455	90.4	0.83	7.5	2	2.3	72.5
YJE3-160M-4N	15	11	22.3	1465	91.4	0.82	7.7	2.4	2.3	100
YJE3-160L-4N	20	15	29.8	1470	92.1	0.83	7.8	2.4	2.3	116
YJE3-180M1-4N	25	18.5	35.3	1470	92.6	0.86	7.8	2.4	2.3	172.6
YJE3-180M2-4N	30	22	41.5	1475	93	0.87	7.8	2.4	2.3	186.5
YJE3-180L2-4N	40	30	58.0	1475	93.6	0.84	7.8	2	2.3	230
YJE3-2N00L2-4N	50	37	68.6	1475	93.9	0.87	7.8	1.8	2.3	272.5
YJE3-2N00L3-4N	60	45	90.0	1475	94.2	0.81	8	2	2.3	305
YJE3-2N25S2-4N	75	55	102.0	1480	94.6	0.87	8	2	2.3	410
YJE3-2N50S2-4N	100	75	133.0	1485	95	0.9	8	2	2.3	530
YJE3-2N50M2-4N	125	90	157.0	1485	95.2	0.91	8	2	2.3	548
YJE3-90L1-6N	1	0.75	2.3	945	78.9	0.62	6	2	2.1	24.5
YJE3-100L-6N	2	1.5	4.2	950	82.5	0.66	6	2	2.1	34.5
YJE3-112M-6N	3	2.2	5.4	950	84.3	0.74	6.6	2	2.1	41.2
YJE3-132S2-6N	5	3.7	8.6	955	86.44	0.76	6.8	1.9	2.1	60.8
YJE3-132M2-6N	7.5	5.5	13.0	960	88	0.73	7	1.9	2.1	67.5
YJE3-160M-6N	10	7.5	16.2	965	89.1	0.78	7	1.9	2.1	114.4
YJE3-160L-6N	15	11	23.2	965	90.3	0.79	7.2	1.9	2.1	136
YJE3-180M-6N	20	15	32.7	980	91.2	0.765	7.3	2	2.1	207.5
YJE3-180L2-6N	25	18.5	39.0	975	91.7	0.79	7.3	2	2.1	214
YJE3-180L3-6N	30	22	47.0	975	92.2	0.77	7.3	1.9	2.1	229.5
YJE3-200L3-6N	40	30	64.0	980	92.9	0.77	7.3	1.9	2.1	303
YJE3-200L4-6N	50	37	77.0	980	93.3	0.78	7.3	1.9	2.1	311.5
YJE3-225S-6N	60	45	88.0	980	93.7	0.83	7.3	2	2	394
YJE3-250S-6N	75	55	111.0	985	94.1	0.8	7.3	2	2	498
YJE3-250M3-6N	100	75	150.0	985	94.6	0.8	7.3	2	2	553



## Cooling Tower Motors



### 3 Phase Asynchronous Motors for Cooling Towers

- Cooling Tower Motors are cast iron housing, high mechanical strength, reasonable structure, beautiful appearance, stable and reliable operation performance, high efficiency and energy saving, low vibration and low noise.
- Designed according to the special requirements of cooling tower, GW Cooling Tower Motors have outstanding output performance and anti-rust ability.
- The motors conform to IEC60034, GB755, GB 14711, GB18613 and other related standards.

HP	KW	Frame	Model	Speed (r/min)	Mounting	Cooling
1/6	0.12	71	YJCK711 -6	1000	V1	IC418
1/4	0.18	71	YJCK712 -6	1000	V1	IC418
1/2	0.37	80	YJCK801 -6	1000	V1	IC418
3/4	0.55	90L	YJCK90L -8	750	V1	IC418
1	0.75	90L	YJCK90L1 -6	1000	V1	IC418
2	1.5	90L	YJCK90L -4	1500	V1	IC418
2	1.5	100L	YJCK100L -6	1000	V1	IC418
2	1.5	112M	YJCK112M -8	750	V1	IC418
2	1.5	132S	YJCK132S -10	600	V1	IC418
3	2.2	100L	YJCK100L1 -4	1500	V1	IC418
3	2.2	132S	YJCK132S -8	750	V1	IC418
5	3.7	112M	YJCK112M -4	1500	V1	IC418
5	3.7	132S	YJCK132S -6	1000	V1	IC418
5	3.7	160M	YJCK160M2 -10	600	V1	IC418
7.5	5.5	132S	YJCK132S -4	1500	V1	IC418

HP	KW	Frame	Model	Speed (r/min)	Mounting	Cooling
7.5	5.5	132M	YJCK132M2-6	1000	V1	IC418
10	7.5	132M	YJCK132M-4	1500	V1	IC418
10	7.5	160M	YJCK160M -6	1000	V1	IC418
15	11	160M	YJCK160M-4	1500	V1	IC418
15	11	160L	YJCK160L-6	1000	V1	IC418
20	15	160L	YJCK160L-4	1500	V1	IC418
20	15	180M	YJCK180M-6	1000	V1	IC418
25	18.5	180M	YJCK180M1-4	1500	V1	IC418
25	18.5	180L	YJCK180L1-6	1000	V1	IC418
30	22	180M	YJCK180M-4	1500	V1	IC418
30	22	180L	YJCK180L2-6	1000	V1	IC418
40	30	180L	YJCK180L-4	1500	V1	IC418
50	37	200L	YJCK200L1-4	1500	V1	IC418
2	1.5	90L	YJE2-90L-4	1500	B3、V5、V6	IC411
3	2.2	100L	YJE3-100L1-4	1500	B3、V5、V6	IC411
5	3.7	112M	YJE3-112M-4	1500	B3、V5、V6	IC411
5	3.7	132M	YJE3-132M1-6	1000	B3、V5、V6	IC411
7.5	5.5	132S	YJE3-132S-4	1500	B3、V5、V6	IC411
7.5	5.5	132M	YJE3-132M2-6	1000	B3、V5、V6	IC411
10	7.5	132M	YJE3-132M-4	1500	B3、V5、V6	IC411
10	7.5	160M	YJE3-160M-6	1000	B3、V5、V6	IC411
15	11	160L	YJE3-160L-6	1000	B3、V5、V6	IC411
20	15	180L	YJE3-180L-6	1000	B3、V5、V6	IC411
40	30	200L	YJE3-200L-4	1500	B3、V5、V6	IC411
50	37	225S	YJE3-225S-4	1500	B3、V5、V6	IC411
60	45	225M	YJE3-225M-4	1500	B3、V5、V6	IC411
75	55	250M	YJE3-250M-4	1500	B3、V5、V6	IC411



## Product Introduction

# Control Motors



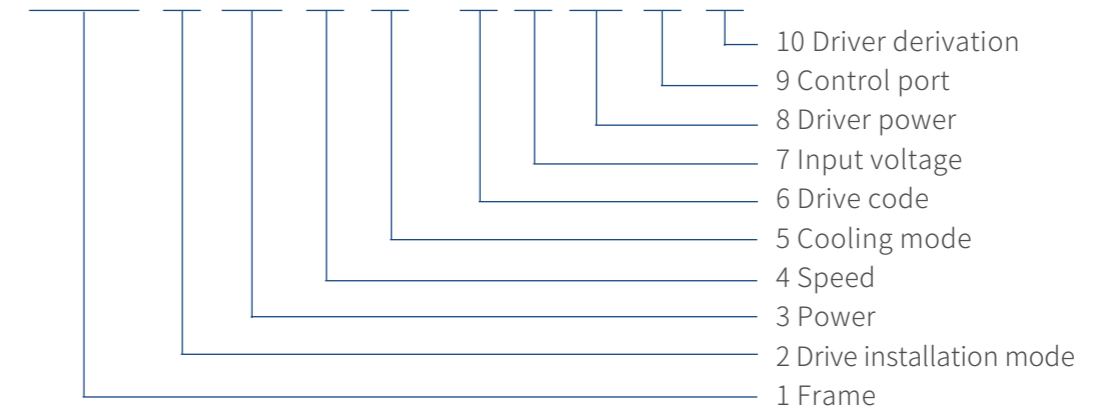
## EC Motors

### Brief Introduction

The ECM series motors include NEMA standard motors and IEC standard motors, which can replace traditional PSC motors. The motor uses neodymium iron boron magnets, Class F insulation, ball bearings, long life and maintenance-free; motor efficiency can reach at least 82%. This series of motors have a variety of external interfaces to choose from. Apply to Industrial/residential HVAC, indoor stove, air treatment, packaging, condenser, etc.

### Product Model Description

ECN48 A 14 A N / E A 06 P \*\*  
ZW140 A 180 A N / E A 06 P \*\*



- 1 Frame: ECN48: NEMA 48; ZW140: Outer diameter of stator 140
- 2 Drive installation mode: A: Integration structure; B: Split structure
- 3 Power: 14: 1/4HP; 13: 1/3HP; 12: 1/2HP; 34: 3/4HP; 10: 1HP  
180: 180W; 250: 250W; 375: 375W; 550: 550W; 750: 750W
- 4 Speed: A: 200--1200r/min; B: 200--1800r/min
- 5 Cooling mode: N: TENV; O: ODP; A: TEAO
- 6 Drive code: E: Drive controller
- 7 Input voltage: A: 115V; B: 208--230V; C: 115/208-230
- 8 Driver power: 6: 1/4--1/2HP; 10: 3/4--1HP
- 9 Control port : P: Potentiometer; V: 0-10V; S: serial port; Blank: none controlleads
- 10 Driver derivation: \*\*: feature code, represented by a combination of 1-9 or 26 English capital letters



## EC Motors

### EC Motors (one-cavity)



- Speed range 200rpm~1800rpm
- Higher efficiency, 82% or above
- Lower operating noise
- Power range: 1/4, 1/3, 1/2 HP
- Apply to HVAC, blower, air purification equipment and others.



## EC Motors

### EC Motors (one-cavity)



- Speed range 200rpm~1800rpm
- Higher efficiency, 82% or above
- Lower operating noise
- Power range: 1/4, 1/3, 1/2 HP
- Apply to HVAC, blower, air purification equipment and others.

NEMA Motor Model No.	IEC Motor Model No.	Output HP(W)	Hz	VOLTS	FL AMPS	RPM	PHASES	INS. CLASS	DUTY	ENCL.
ECN48A14AN/EA06P**	ZW140A180AN/EA06P**	1/4 (180)	50/60	115	3.8	200-1200	1	B	S1	TENV
ECN48A14AN/EB06P**	ZW140A180AN/EB06P**	1/4 (180)	50/60	208-230	1.9	200-1200	1	B	S1	TENV
ECN48A14AN/EC06P**	ZW140A180AN/EC06P**	1/4 (180)	50/60	115/208-230	3.8/1.9	200-1200	1	B	S1	TENV
ECN48A14BN/EA06P**	ZW140A180BN/EA06P**	1/4 (180)	50/60	115	3.9	200-1800	1	B	S1	TENV
ECN48A14BN/EB06P**	ZW140A180BN/EB06P**	1/4 (180)	50/60	208-230	2	200-1800	1	B	S1	TENV
ECN48A14BN/EC06P**	ZW140A180BN/EC06P**	1/4 (180)	50/60	115/208-230	3.9/2.0	200-1800	1	B	S1	TENV
ECN48A13AN/EA06P**	ZW140A250AN/EA06P**	1/3 (250)	50/60	115	4.6	200-1200	1	B	S1	TENV
ECN48A13AN/EB06P**	ZW140A250AN/EB06P**	1/3 (250)	50/60	208-230	2.3	200-1200	1	B	S1	TENV
ECN48A13AN/EC06P**	ZW140A250AN/EC06P**	1/3 (250)	50/60	115/208-230	4.6/2.3	200-1200	1	B	S1	TENV
ECN48A13BN/EA06P**	ZW140A250BN/EA06P**	1/3 (250)	50/60	115	4.8	200-1800	1	B	S1	TENV
ECN48A13BN/EB06P**	ZW140A250BN/EB06P**	1/3 (250)	50/60	208-230	2.4	200-1800	1	B	S1	TENV
ECN48A13BN/EC06P**	ZW140A250BN/EC06P**	1/3 (250)	50/60	115/208-230	4.8/2.4	200-1800	1	B	S1	TENV
ECN48A12AN/EA06P**	ZW140A375AN/EA06P**	1/2 (375)	50/60	115	6.6	200-1200	1	B	S1	TENV
ECN48A12AN/EB06P**	ZW140A375AN/EB06P**	1/2 (375)	50/60	208-230	3.3	200-1200	1	B	S1	TENV
ECN48A12AN/EC06P**	ZW140A375AN/EC06P**	1/2 (375)	50/60	115/208-230	6.6/3.3	200-1200	1	B	S1	TENV
ECN48A12BN/EA06P**	ZW140A375BN/EA06P**	1/2 (375)	50/60	115	6.9	200-1800	1	B	S1	TENV
ECN48A12BN/EB06P**	ZW140A375BN/EB06P**	1/2 (375)	50/60	208-230	3.5	200-1800	1	B	S1	TENV
ECN48A12BN/EC06P**	ZW140A375BN/EC06P**	1/2 (375)	50/60	115/208-230	6.9/3.5	200-1800	1	B	S1	TENV

NEMA Motor Model No.	IEC Motor Model No.	Output HP(W)	Hz	VOLTS	FL AMPS	RPM	PHASES	INS. CLASS	DUTY	ENCL.
ECN48A14AA/EA06P**	ZW140A180AA/EA06P**	1/4 (180)	50/60	115	3.8	200-1200	1	B	S1	TEAO
ECN48A14AA/EB06P**	ZW140A180AA/EB06P**	1/4 (180)	50/60	208-230	1.9	200-1200	1	B	S1	TEAO
ECN48A14AA/EC06P**	ZW140A180AA/EC06P**	1/4 (180)	50/60	115/208-230	3.8/1.9	200-1200	1	B	S1	TEAO
ECN48A14BA/EA06P**	ZW140A180BA/EA06P**	1/4 (180)	50/60	115	3.9	200-1800	1	B	S1	TEAO
ECN48A14BA/EB06P**	ZW140A180BA/EB06P**	1/4 (180)	50/60	208-230	2	200-1800	1	B	S1	TEAO
ECN48A14BA/EC06P**	ZW140A180BA/EC06P**	1/4 (180)	50/60	115/208-230	3.9/2.0	200-1800	1	B	S1	TEAO
ECN48A13AA/EA06P**	ZW140A250AA/EA06P**	1/3 (250)	50/60	115	4.6	200-1200	1	B	S1	TEAO
ECN48A13AA/EB06P**	ZW140A250AA/EB06P**	1/3 (250)	50/60	208-230	2.3	200-1200	1	B	S1	TEAO
ECN48A13AA/EC06P**	ZW140A250AA/EC06P**	1/3 (250)	50/60	115/208-230	4.6/2.3	200-1200	1	B	S1	TEAO
ECN48A13BA/EA06P**	ZW140A250BA/EA06P**	1/3 (250)	50/60	115	4.8	200-1800	1	B	S1	TEAO
ECN48A13BA/EB06P**	ZW140A250BA/EB06P**	1/3 (250)	50/60	208-230	2.4	200-1800	1	B	S1	TEAO
ECN48A13BA/EC06P**	ZW140A250BA/EC06P**	1/3 (250)	50/60	115/208-230	4.8/2.4	200-1800	1	B	S1	TEAO
ECN48A12AA/EA06P**	ZW140A375AA/EA06P**	1/2 (375)	50/60	115	6.6	200-1200	1	B	S1	TEAO
ECN48A12AA/EB06P**	ZW140A375AA/EB06P**	1/2 (375)	50/60	208-230	3.3	200-1200	1	B	S1	TEAO
ECN48A12AA/EC06P**	ZW140A375AA/EC06P**	1/2 (375)	50/60	115/208-230	6.6/3.3	200-1200	1	B	S1	TEAO
ECN48A12BA/EA06P**	ZW140A375BA/EA06P**	1/2 (375)	50/60	115	6.9	200-1800	1	B	S1	TEAO
ECN48A12BA/EB06P**	ZW140A375BA/EB06P**	1/2 (375)	50/60	208-230	3.5	200-1800	1	B	S1	TEAO
ECN48A12BA/EC06P**	ZW140A375BA/EC06P**	1/2 (375)	50/60	115/208-230	6.9/3.5	200-1800	1	B	S1	TEAO

# EC Motors



## EC Motors (two-cavity)

- Speed range 200rpm~1800rpm
- Higher efficiency, 82% or above
- Lower operating noise
- Power range: 1/4, 1/3, 1/2, 3/4, 1 HP
- Apply to HVAC, blower, air purification equipment and others.

NEMA Motor Model No.	IEC Motor Model No.	Output HP(W)	Hz	Volts	FL AMPS	RPM	PHASES	INS. CLASS	DUTY	ENCL.
ECN48B14AN/EA10R**	ZW140B180AN/EA10R**	1/4 (180)	50/60	115	3.8	200-1200	1	B	S1	TENV
ECN48B14AN/EB10R**	ZW140B180AN/EB10R**	1/4 (180)	50/60	208-230	1.9	200-1200	1	B	S1	TENV
ECN48B14AN/EC10R**	ZW140B180AN/EC10R**	1/4 (180)	50/60	115/208-230	3.8/1.9	200-1200	1	B	S1	TENV
ECN48B14BN/EA10R**	ZW140B180BN/EA10R**	1/4 (180)	50/60	115	3.9	200-1800	1	B	S1	TENV
ECN48B14BN/EB10R**	ZW140B180BN/EB10R**	1/4 (180)	50/60	208-230	2	200-1800	1	B	S1	TENV
ECN48B14BN/EC10R**	ZW140B180BN/EC10R**	1/4 (180)	50/60	115/208-230	3.9/2.0	200-1800	1	B	S1	TENV
ECN48B13AN/EA10R**	ZW140B250AN/EA10R**	1/3 (250)	50/60	115	4.6	200-1200	1	B	S1	TENV
ECN48B13AN/EB10R**	ZW140B250AN/EB10R**	1/3 (250)	50/60	208-230	2.3	200-1200	1	B	S1	TENV
ECN48B13AN/EC10R**	ZW140B250AN/EC10R**	1/3 (250)	50/60	115/208-230	4.6/2.3	200-1200	1	B	S1	TENV
ECN48B13BN/EA10R**	ZW140B250BN/EA10R**	1/3 (250)	50/60	115	4.8	200-1800	1	B	S1	TENV
ECN48B13BN/EB10R**	ZW140B250BN/EB10R**	1/3 (250)	50/60	208-230	2.4	200-1800	1	B	S1	TENV
ECN48B13BN/EC10R**	ZW140B250BN/EC10R**	1/3 (250)	50/60	115/208-230	4.8/2.4	200-1800	1	B	S1	TENV
ECN48B12AN/EA10R**	ZW140B375AN/EA10R**	1/2 (375)	50/60	115	6.6	200-1200	1	B	S1	TENV
ECN48B12AN/EB10R**	ZW140B375AN/EB10R**	1/2 (375)	50/60	208-230	3.3	200-1200	1	B	S1	TENV
ECN48B12AN/EC10R**	ZW140B375AN/EC10R**	1/2 (375)	50/60	115/208-230	6.6/3.3	200-1200	1	B	S1	TENV
ECN48B12BN/EA10R**	ZW140B375BN/EA10R**	1/2 (375)	50/60	115	6.6	200-1800	1	B	S1	TENV
ECN48B12BN/EB10R**	ZW140B375BN/EB10R**	1/2 (375)	50/60	208-230	3.3	200-1800	1	B	S1	TENV
ECN48B12BN/EC10R**	ZW140B375BN/EC10R**	1/2 (375)	50/60	115/208-230	6.6/3.3	200-1800	1	B	S1	TENV
ECN48B34AN/EA10R**	ZW140B550AN/EA10R**	3/4 (550)	50/60	115	9.5	200-1200	1	B	S1	TENV
ECN48B34AN/EB10R**	ZW140B550AN/EB10R**	3/4 (550)	50/60	208-230	4.7	200-1200	1	B	S1	TENV
ECN48B34AN/EC10R**	ZW140B550AN/EC10R**	3/4 (550)	50/60	115/208-230	9.5/4.7	200-1200	1	B	S1	TENV
ECN48B34BN/EA10R**	ZW140B550BN/EA10R**	3/4 (550)	50/60	115	9.8	200-1800	1	B	S1	TENV
ECN48B34BN/EB10R**	ZW140B550BN/EB10R**	3/4 (550)	50/60	208-230	4.9	200-1800	1	B	S1	TENV
ECN48B34BN/EC10R**	ZW140B550BN/EC10R**	3/4 (550)	50/60	115/208-230	9.8/4.9	200-1800	1	B	S1	TENV

NEMA Motor Model No.	IEC Motor Model No.	Output HP(W)	Hz	VOLTS	FL AMPS	RPM	PHASES	INS. CLASS	DUTY	ENCL.
ECN48B14AA/EA10R**	ZW140B180AA/EA10R**	1/4 (180)	50/60	115	3.8	200-1200	1	B	S1	TEAO
ECN48B14AA/EB10R**	ZW140B180AA/EB10R**	1/4 (180)	50/60	208-230	1.9	200-1200	1	B	S1	TEAO
ECN48B14AA/EC10R**	ZW140B180AA/EC10R**	1/4 (180)	50/60	115/208-230	3.8/1.9	200-1200	1	B	S1	TEAO
ECN48B14BA/EA10R**	ZW140B180BA/EA10R**	1/4 (180)	50/60	115	3.9	200-1800	1	B	S1	TEAO
ECN48B14BA/EB10R**	ZW140B180BA/EB10R**	1/4 (180)	50/60	208-230	2	200-1800	1	B	S1	TEAO
ECN48B14BA/EC10R**	ZW140B180BA/EC10R**	1/4 (180)	50/60	115/208-230	3.9/2.0	200-1800	1	B	S1	TEAO
ECN48B13AA/EA10R**	ZW140B250AA/EA10R**	1/3 (250)	50/60	115	4.6	200-1200	1	B	S1	TEAO
ECN48B13AA/EB10R**	ZW140B250AA/EB10R**	1/3 (250)	50/60	208-230	2.3	200-1200	1	B	S1	TEAO
ECN48B13AA/EC10R**	ZW140B250AA/EC10R**	1/3 (250)	50/60	115/208-230	4.6/2.3	200-1200	1	B	S1	TEAO
ECN48B13BA/EA10R**	ZW140B250BA/EA10R**	1/3 (250)	50/60	115	4.8	200-1800	1	B	S1	TEAO
ECN48B13BA/EB10R**	ZW140B250BA/EB10R**	1/3 (250)	50/60	208-230	2.4	200-1800	1	B	S1	TEAO
ECN48B13BA/EC10R**	ZW140B250BA/EC10R**	1/3 (250)	50/60	115/208-230	4.8/2.4	200-1800	1	B	S1	TEAO
ECN48B12AA/EA10R**	ZW140B375AA/EA10R**	1/2 (375)	50/60	115	6.6	200-1200	1	B	S1	TEAO
ECN48B12AA/EB10R**	ZW140B375AA/EB10R**	1/2 (375)	50/60	208-230	3.3	200-1200	1	B	S1	TEAO
ECN48B12AA/EC10R**	ZW140B375AA/EC10R**	1/2 (375)	50/60	115/208-230	6.6/3.3	200-1200	1	B	S1	TEAO
ECN48B12BA/EA10R**	ZW140B375BA/EA10R**	1/2 (375)	50/60	115	6.6	200-1800	1	B	S1	TEAO
ECN48B12BA/EB10R**	ZW140B375BA/EB10R**	1/2 (375)	50/60	208-230	3.3	200-1800	1	B	S1	TEAO
ECN48B12BA/EC10R**	ZW140B375BA/EC10R**	1/2 (375)	50/60	115/208-230	6.6/3.3	200-1800	1	B	S1	TEAO
ECN48B34AA/EA10R**	ZW140B550AA/EA10R**	3/4 (550)	50/60	115	9.5	200-1200	1	B	S1	TEAO
ECN48B34AA/EB10R**	ZW140B550AA/EB10R**	3/4 (550)	50/60	208-230	4.7	200-1200	1	B	S1	TEAO
ECN48B34AA/EC10R**	ZW140B550AA/EC10R**	3/4 (550)	50/60	115/208-230	9.5/4.7	200-1200	1	B	S1	TEAO
ECN48B34BA/EA10R**	ZW140B550BA/EA10R**	3/4 (550)	50/60	115	9.8	200-1800	1	B	S1	TEAO
ECN48B34BA/EB10R**	ZW140B550BA/EB10R**	3/4 (550)	50/60	208-230	4.9	200-1800	1	B	S1	TEAO
ECN48B34BA/EC10R**	ZW140B550BA/EC10R**	3/4 (550)	50/60	115/208-230	9.8/4.9	200-1800	1	B	S1	TEAO
ECN48B10AA/EA10R**	ZW140B750AA/EA10R**	1.0 (750)	50/60	115	12	200-1200	1	B	S1	TEAO
ECN48B10AA/EB10R**	ZW140B750AA/EB10R**	1.0 (750)	50/60	208-230	6	200-1200	1	B	S1	TEAO
ECN48B10AA/EC10R**	ZW140B750AA/EC10R**	1.0 (750)	50/60	115/208-230	12/6	200-1200	1	B	S1	TEAO
ECN48B10BA/EA10R**	ZW140B750BA/EA10R**	1.0 (750)	50/60	115	12	200-1800	1	B	S1	TEAO
ECN48B10BA/EB10R**	ZW140B750BA/EB10R**	1.0 (750)	50/60	208-230	6	200-1800	1	B	S1	TEAO
ECN48B10BA/EC10R**	ZW140B750BA/EC10R**	1.0 (750)	50/60	115/208-230	12/6	200-1800	1	B	S1	TEAO

NEMA Motor Model No.	IEC Motor Model No.	Output HP(W)	Hz	VOLTS	FL AMPS	RPM	PHASES	INS. CLASS	DUTY	ENCL.
ECN48B10AD/EA10R**	ZW140B750AD/EA10R**	1.0 (750)	50/60	115	12.6	200-1200	1	B	S1	ODP
ECN48B10AD/EB10R**	ZW140B750AD/EB10R**	1.0 (750)	50/60	208-230	6.3	200-1200	1	B	S1	ODP
ECN48B10AD/EC10R**	ZW140B750AD/EC10R**	1.0 (750)	50/60	115/208-230	12.6/6.3	200-1200	1	B	S1	ODP
ECN48B10BD/EA10R**	ZW140B750BD/EA10R**	1.0 (750)	50/60	115	12.6	200-1800	1	B	S1	ODP
ECN48B10BD/EB10R**	ZW140B750BD/EB10R**	1.0 (750)	50/60	208-230	6.3	200-1800	1	B	S1	ODP
ECN48B10BD/EC10R**	ZW140B750BD/EC10R**	1.0 (750)	50/60	115/208-230	12.6/6.3	200-1800	1	B	S1	ODP