

WIN FROM INDIA FOR WINNERS

Motors

Automation

Energy

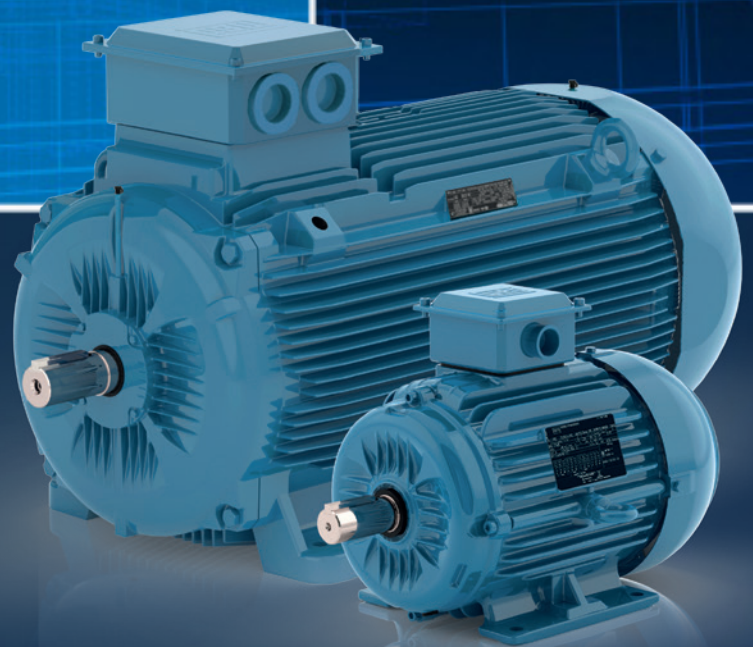
Transmission &
Distribution

Coatings

WIN

When we add technological expertise to manufacturing excellence and speed, the result is a reliable and highly efficient solution for a great variety of industrial segments.

Thinking about every detail, WEG releases a line of low voltage motors that carry the technology that the world already knows in a product with standard electrical design for operation with VFD, wide power range and exclusive BIS certification for the Indian market.



Driving efficiency and sustainability

www.weg.net



Product Overview

Cast Iron, 3-Phase



Standard Features

- Efficiency Level: High Efficiency (IE2) and Premium Efficiency (IE3)
- Cooling Method: TEFC (Totally enclosed fan cooled) - IC411
- Rated Output: 0.18 to 355 kW
- Number of Poles: 2, 4 and 6
- Frame Sizes: 71 up to 355A/B
- Frequency: 50 Hz (±5%)
- Voltage: 240/415 V (±10%) 6 cables (up to 100L)
415 V (±10%) 6 cables (112M and above)
- Combined variation in frequency and voltage (sum of absolute values): 10%
- Service Factor: 1.00
- Ambient Temperature: -20 °C up to 50 °C, at 1000 m.a.s.l.
- Class F insulation (Class B temperature rise)
- Degree of Protection: IP55
- Mounting: B3T
- Vibration Level: Grade A
- Continuous Duty: S1
- Paint Shade: Blue RAL 5009 (IE2)
Green RAL 6002 (IE3)
- Paint Type: 203A
- Shaft Seal: V'Ring seal for frames 71 to 355A/B
- Aluminum nameplate
- Terminal box material: Steel sheet
- Fan Cover: Steel Sheet (for frames 71 to 132M/L
and 280S/M to 355A/B)
Polymeric for frames 160M to W280S/M
- Shielded bearing for frames sizes up to 200
- Grease nipple for frames 225S/M to 355A/B
- Metric threaded cable entries
- WISE® (WEG Insulation System Evolution)⁽¹⁾
- Insulated NDE endshield for frames 315S/M to 355A/B

(1) Suitable for VFD use up to 575V⁽²⁾

(2) For further details regarding inverter operation, please contact WEG.

Optional Features Available

- Other mountings
- C-DIN flange up to 132 frame size
- FF flange
- Thermistor PTC (160M up to 355A/B)
- Lip seal or Oil Seal for motors fitted with flange
- Drip cover for vertical shaft-down mounting

Certification

- BIS: High Efficiency (IE2) and Premium Efficiency (IE3)
- CE Marking: Premium Efficiency (IE3)

Output x Frame Size

Output		Frame Size					
		II Poles		IV Poles		VI Poles	
kW	HP	IE2	IE3	IE2	IE3	IE2	IE3
0.18	0.25			(1)	(1)	71	
0.25	0.33		(1)	71		71	80
0.37	0.5	71		71		80	
0.55	0.75	71		80		80	L80
0.75	1	80		80		L90S	
1.1	1.5	80		90S		L90L ⁽²⁾	100L
1.5	2	90S	L90S	90L		100L	L100L
2.2	3	90L		100L		112M	
3	4	100L		L100L		132S	
3.7	5	100L		112M		132S	
4	5.5	112M		112M		132M	
5.5	7.5	112M	L112M	-		-	
5.5	7.5	132S		132S		132M/L	
7.5	10	132S	L132S	132M		(1)	
9.2	12.5	L132M		132M/L		(1)	
9.2	12.5	160M		160M		(1)	
11	15	160M		160M		(1)	
15	20	160M		160L		(1)	
18.5	25	160L		180M		(1)	
22	30	180M		180L		(1)	
30	40	200M/L		200M/L		(1)	
37	50	200M/L		225S/M		(1)	
45	60	225S/M		225S/M		280S/M	
55	75	250S/M		250S/M		280S/M	
75	100	W280S/M		W280S/M		315S/M	
90	125	W280S/M		W280S/M		315S/M	
110	150	W315S/M		W315S/M		315S/M	
125	170	W315S/M		W315S/M		315S/M	
132	175	W315S/M		W315S/M		315S/M	
150	200	315S/M		315S/M		315L ⁽²⁾	315L
160	220	315S/M		315S/M		315L ⁽²⁾	
185	250	315S/M ⁽²⁾	315S/M	315S/M		315L ⁽²⁾	
185	250	-		-		355M/L	
200	270	315L		315L		315L ⁽²⁾	-
200	270	355M/L		-		355M/L	
225	305	315L		315L		315L ⁽²⁾	-
225	305	355M/L		355M/L		355M/L	
250	340	315L ⁽²⁾		315L		355M/L	
250	340	355M/L		355M/L		-	
280	380	315L ⁽²⁾		315L ⁽²⁾		355M/L	
280	380	355M/L ⁽²⁾		355M/L	355M/L ⁽²⁾	-	
300	400	315L ⁽²⁾	-	315L ⁽²⁾		355M/L	
300	400	355M/L ⁽²⁾		355M/L	355M/L ⁽²⁾	-	
315	430	355M/L ⁽²⁾		355M/L	355M/L ⁽²⁾	355M/L	355M/L ⁽²⁾
330	450	355M/L ⁽²⁾		355M/L	355M/L ⁽²⁾	355A/B ⁽²⁾	
355	480	355M/L ⁽²⁾		355M/L ⁽²⁾		355A/B ⁽²⁾	

(1) Outputs available under request.

(2) Motor with class F temperature rise.

Essential Information for Placing Orders

Output (kW), Pole, Frame size, Application, Mounting, Efficiency and Quantity.

Predefined Data

- IP Type: IP55
- Duty: S1
- Input Supply:
240/415 V (±10%) 6 cables (up to 100L) / 50 Hz (±5%)
415 V (±10%) 6 cables (112M and above) / 50 Hz (±5%)



+91 80 46437450

info-in@weg.net

WEG Industries (India) Pvt. Ltd.,
Sales Office: Eshwari Arcade, 250, 14th Main Road, 7th Sector, HSR Layout,
Bengaluru, Karnataka, 560102 – India
Factory: Plot # E20 (North), SIPCOT Industrial Complex - Phase II, Expansion II,
Moranapalli Village, Hosur, Tamil Nadu, 635109 – India