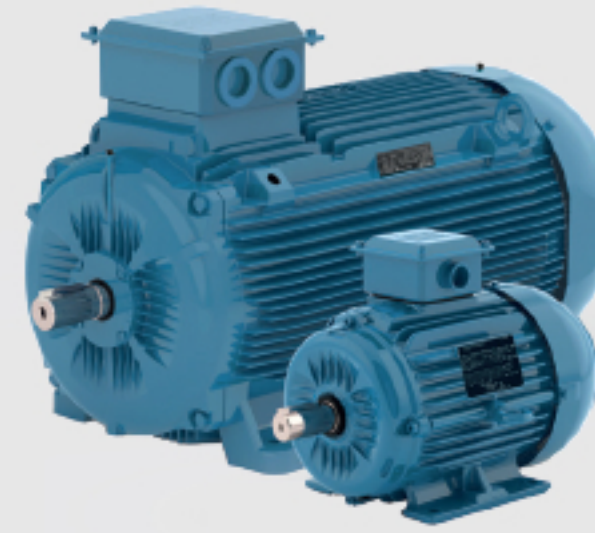




# Product Overview

## Cast Iron, 3-Phase



### Standard Features

- 3 years Domestic Warranty <sup>(4)</sup>
- Efficiency Level: High Efficiency (IE2), Premium Efficiency (IE3) and Super Premium Efficiency (IE4)
- Cooling Method: TEFC (Totally enclosed fan cooled) - IC411
- Rated Output: 0.18 to 500 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%
- Ambient Temperature: -20 °C up to 50 °C, at 1000 m.a.s.l.
- Class F insulation
- Degree of Protection: IP55
- Mounting: B3T
- Vibration Level: Grade A
- Continuous Duty: S1
- Paint Shade: Blue RAL 5009 (IE2), Green RAL 6002 (IE3 and IE4)
- Paint Type: 203A (C3 level as per ISO12944-2)
- Shaft Seal: V'Ring seal
- Aluminium 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) <sup>(1)</sup>
- Insulated NDE endshield for frames 315S/M to 355A/B

### Optional Features

- Thermistor PTC 1 or 2 per phase
- Insulated bearing for frame 225S/M and above <sup>(3)</sup>
- Space heater terminated in main terminal box
- Bearing temperature detector (PT100 – 1 or 2 per bearing) for frames 160 & above terminated in an auxiliary terminal box.
- Winding temperature detector (PT100 – 1 or 2 per phase) for frames 160 & above terminated in an auxiliary terminal box.
- Service factor 1.15 <sup>(3)</sup>
- Class H insulation
- Non-standard voltage and frequency
- Type test (witnessed or unwitnessed)
- Crane duty application (S4 Duty) <sup>(3)</sup>
- Other mountings
- C-DIN flange up to 132 frame size
- FF flange
- Lip seal or Oil Seal for motors fitted with flange
- Drip cover for vertical shaft-down mounting
- Customized paint shades in existing painting plan <sup>(3)</sup>
- Larger frame motors <sup>(3)</sup>
- Forced cooling from frame 160 and above <sup>(3)</sup>
- Extended grease nipples for frames 225S/M and above <sup>(3)</sup>
- Plastic cable glands
- Non-standard shaft dimensions <sup>(3)</sup>
- IP56 / IP65 / IP66 <sup>(3)</sup>
- Encoder provision <sup>(3)</sup>
- Roller bearing at DE side for frames 225S/M and above <sup>(3)</sup>
- EN24 grade shaft material for frames 225S/M and above <sup>(3)</sup>
- EN19 grade shaft material for frames 225S/M and above <sup>(3)</sup>
- Provision for vibration sensors for frames 315S/M to 355A/B
- Double Shaft end (Not identical)
- International warranty <sup>(3)</sup>

### Output x Frame Size

Output	Frame Size									
			2 Poles			4 Poles			6 Poles	
kW	HP	IE2	IE3	IE4	IE2	IE3	IE4	IE2	IE3	IE4
0.18	0.25	(1)		-	(1)	(1)	-	71		80
0.25	0.33	(1)		-		71		71		80
0.37	0.5		71			71		80		L80
0.55	0.75		71			80		L80		90S
0.75	1		80			80		90S		L90S
1.1	1.5		80			80		90S		L90S
1.5	2		90S			90L		100L		100L
2.2	3		90L			L90L		100L		112M
3	4		100L			100L		L100L		112M
3.7	5		100L			L100L		112M		132S
4	5.5		112M			112M		132S		132M
5.5	7.5		132S			132S		L132M		132M/L
7.5	10		132S			L132S		132M		L132M/L
9.2	12.5		L132M			132M/L		160M		(1)
11	15		160M			160M		(1)		(1)
15	20		160M			160L		(1)		(1)
18.5	25		160L			180M		(1)		(1)
22	30		180M			180L		(1)		(1)
30	40		200M/L			200M/L		(1)		(1)
37	50		200M/L			225S/M		(1)		(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 <sup>(2)</sup>		315L
160	220		315S/M			315S/M		315L <sup>(2)</sup>		315L
185	250		315S/M <sup>(2)</sup>			315S/M		315L <sup>(2)</sup>		315L
200	270		315L			315L		315L <sup>(2)</sup>		355M/L
225	305		315L			315L		315L <sup>(2)</sup>		355M/L
250	340		315L <sup>(2)</sup>			315L				355M/L
280	380		315L <sup>(2)</sup>			315L <sup>(2)</sup>				355M/L
300	400		315L <sup>(2)</sup>			355M/L <sup>(2)</sup>		315L <sup>(2)</sup>		355M/L
315	430		355M/L <sup>(2)</sup>			355M/L		355M/L <sup>(2)</sup>		355M/L
330	450		355M/L <sup>(2)</sup>			355M/L		355M/L <sup>(2)</sup>		355M/L
355	480		355M/L <sup>(2)</sup>			355M/L <sup>(2)</sup>		355M/L <sup>(2)</sup>		355A/B <sup>(2)</sup>
375	510		355A/B <sup>(2)</sup>			355M/L <sup>(2)</sup>		355M/L <sup>(2)</sup>		355A/B <sup>(2)</sup>
400	550		355A/B <sup>(2)</sup>			355M/L <sup>(2)</sup>		355A/B <sup>(2)</sup>		355A/B <sup>(2)</sup>
450	610		355A/B <sup>(2)</sup>			355A/B <sup>(2)</sup>		-		-
500	680		-			355A/B <sup>(2)</sup>		-		-

(1) Outputs available under request.  
(2) Motor with class F temperature rise.

### Certification

- BIS: High Efficiency (IE2), Premium Efficiency (IE3) & Super Premium Efficiency (IE4)
- CE/UKCA Marking: Premium Efficiency (IE3) except from 75kW to 200kW & Super Premium Efficiency (IE4) complete range

#### Notes:

- (1) Suitable for VFD use up to 575V (2)  
(2) For further details regarding inverter operation, please contact WEG.  
(3) Subject to pre-analysis during offer stage  
(4) Complete warranty term

WEG Industries (India) Pvt Ltd. (LV Motors – WMO unit) offers domestic warranty (motors operating in India) against defects in workmanship and materials for its LV motors manufactured in India for a period of 30 months from the dispatch date at WEG Hosur factory, limited to 36 months from the date of manufacture stamped on motor nameplate.

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