WIN
FROM INDIA
FOR WINNERS

Industrial Motors

Commercial &
Appliance Motors

Automation

Digital &
Systems

Energy

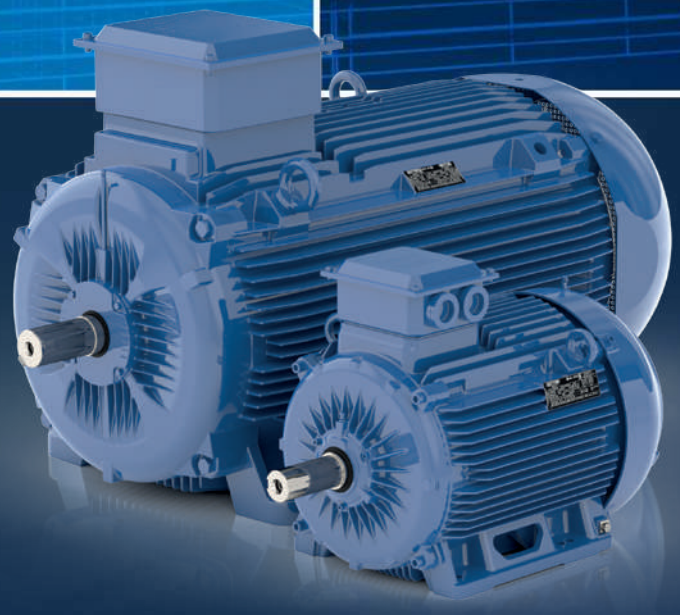
Transmission &
Distribution

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 is producing a line of low voltage motors that carry the technology that the world already knows in a product with standard electrical design suitable 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

3 Years Domestic Warranty

Standard Features

- 3 years Domestic Warranty (1)
- 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 500kW
- Number of Poles: 2, 4, 6 and 8 (2)
- Frame Sizes: 71 up to 355A/B
- Frequency: 50Hz (±5%)
- Voltage: 240/415V (±10%) 6 cables (up to 100L)
  415V (±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) (3)
- 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 (4)
- 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.
- Special service factor
- Class H insulation
- Non-standard voltage and frequency (4)
- Type test (witnessed or unwitnessed)
- Crane duty application (S4 Duty) (4)
- 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 (4)
- Paint type: 212P/212E (C5 level as per ISO 12944)
- Larger frame motors (4)
- Grease Fitting for frame 160 and above (4)
- Extended grease nipples for frames 225S/M and above (4)
- Plastic cable glands
- Non-standard shaft dimensions (4)
- IP56 / IP65 / IP66 (4)
- Encoder provision (4)
- Roller bearing at DE side for frames 160S/M and above (4)
- EN24 or EN19 grade shaft material for frames 160S/M and above (4)
- Provision for vibration sensors for frames 315S/M to 355A/B
- Double Shaft end (Not identical) (4)
- Double Shaft
- International warranty (4)
- Flying leads
- Compact frame motor

Notes:

(1) 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.
(2) 8 Pole motors are available on request.
(3) Suitable for VFD use up to 575V. For further details regarding inverter operation, please contact WEG.
(4) Subject to pre-analysis during offer stage

Certification

- BIS: High Efficiency (IE2), Premium Efficiency (IE3) & Super Premium and Efficiency (IE4) up to 500kW
- CE/UKCA Marking: Premium Efficiency (IE3) except from 75kW to 200kW & Super Premium Efficiency (IE4) complete range
  - ISO Certifications :
  - ISO 9001:2015 Quality Management System standard
  - ISO 14001:2015 Environmental Management System standard
  - ISO 45001:2018 Occupational Health and Safety Management System standard

WEG Data Viewer

Download on the App Store

GET IT ON Google Play

WEG See+ Payback & Energy Efficiency Calculator

Technical Catalogue

Instagram

Linkedin

04344 681 577
rfq-wii-lvm@weg.net
WEG Industries (India) Pvt. Ltd.
Sales Office & Factory: Plot # E20 (North), SIPCOT
Industrial Complex - Phase II, Expansion II, Moranapalli
Village, Hosur, Tamil Nadu, 635109 – India

Cod: 50116355 | Rev: 09 | Date (m/a): 03/2025..
The values shown are subject to change without prior notice.
The information contained is reference values.