

W40 Motor

NEMA Market

W40 is a platform of Open Drip Proof motors (ODP) designed for industrial application in order to have a compact and light solution for the customer. The platform was designed to meet the market requirements of optimized and rugged motors, complying with international standard dimensions, safety and performance requirements.

W40 Motor

Standard Features

- Output: 25 to 2,500 HP
- Number of poles: 2, 4 and 6
- High Efficiency and NEMA Premium Efficiency
- Frame sizes: NEMA 254/6T to L6808/09
- Voltage: 208 to 4160V
- Frequency: 60 Hz
- Service factor: 1.25 (up to 150 HP), 1.15 (above 150 HP)
- Degree of protection: IP23 (frames 254/6T up to L5810/11)
IP24 (for frame size L6808/09)
- Insulation class: F
- Mounting: F1
- Bearing type: Ball bearings
- Frame material: Cast iron
- Cooling system: Open with self-circulation (IC01)
- Nameplate: Stainless steel
- Grounding terminals in terminal box (254T up to 326T)
One grounding terminal on frame and in main terminal box (for frames 364/5T up to 447/9T)
Two grounding terminals on frame and one in main terminal box (for frames 5010/11 and above)
- Grease fitting (for all frame sizes)

Optional Features

- Frequency: 50Hz or 50/60Hz
- Insulation class: H
- Space heater
- Winding and bearings thermal protections
- Voltage: 5,000 to 6,600 V (HV)
- Internal Shaft Grounding Ring – AEGIS (up to 444/5T)
- Maximum ambient temperature: 50°C (UL/CSA), 60°C (UL, on frames 254T up to 447/9T)
- Rodent screens
- Terminal block
- Epoxy painting
- Cable glands
- Flange: D (for all frame sizes) and C (up to 447/9T frame sizes)
- Drip cover (up to 5010/11)
- Sleeve bearings for frames L5810 and above
- Cooling system WPI on frames L5010 and up.

Applications

Widely used in applications such as:

- Compressors
- Pumps
- Fans
- Blowers

Features & Benefits

Rugged and compact design

With maximum reliability, ready for all application requirements. W40 motors have higher power density when compared with TEFC motors.

Low vibration and noise levels

W40 motors have vibration velocity limits and noise levels as per NEMA MG-1 parts 7 and 9.

Enhanced customer interface for easy installation and maintenance

Reversible F1/F2 ready, prepared for opposite side auxiliary boxes drilling and installation, grease inlet/outlet improved access, easy access to flange bolts, flat areas for vibration sensors.

Oversized terminal box

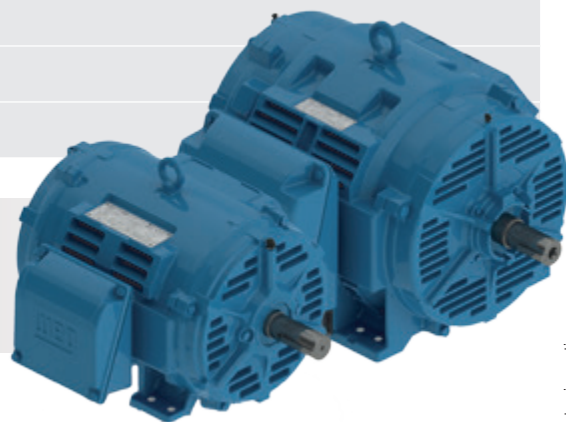
Oversized and diagonally split terminal box for easier access and service operations.

IP23 degree of protection

Complete protection against touching on all live or rotating parts.

Meets UL 1004-1 and NEMA MG-1 safety requirements

L10h bearing life of 100,000 hours (direct coupling)



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Contact WEG and make a quotation.



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