W01 Rolled Steel Motors

- Improved Cooling
- Lower Weight
- Improved Design
- Inverter Duty

New Design

- New ventilation system for improved thermal performance
- Robust feet design suitable for tougher applications (frames 182/4T and up)
- New and more robust eyebolts design, integrated with the endshields
- Oversized diagonally split aluminum terminal box that exceeds IP55 requirements and rotatable in 90° increments for flexibility during installation
- Option for internal AEGIS® Shaft Grounding Ring
- Suitable for VFD operation as per NEMA MG1 part 31.4.4.2
- Color coded/numbered leads as standard for easy wiring
- Regreasable ball bearings on 254/6T frame as standard
- Bearing cap as standard on all flanged motors
- Motor frame painting system resistant to a minimum of 500 hours minimum ASTM B117 salt spray
W01 TEFC Standard Features:
- 0.25 to 25 HP
- Frame 56 to 254/6T
- Three-phase, 2, 4 and 6 pole, 60Hz
- Voltage: 208-230/460V, 575V
- Totally Enclosed Fan Cooled - TEFC (IP55) waterproof as per NEMA MG1 1.26.6 “Waterproof Machine”
- Die cast aluminum squirrel cage rotor
- V'Ring sealing
- Ball bearings
- 1045 heat treated and stress relieved carbon steel shaft
- Class “F” insulation for all frames. Temperature rise limited to Class “B” (80K)
- All three phase motors have Spike Resistant WISE wire.
- 575V Motors are protected against IGBT voltage spikes up to 2200V.
- Exceeds NEMA MG1 Part 31.4.4.2
- Dip and Bake Insulation system
- NEMA design “B”
- 1.15 Service Factor
- Continuous duty (S1)
- 104F (40ºC) ambient temperature
- Altitude: 3300 ft (1000m)
- Double Gasketed terminal box
- Paint: Synthetic enamel alkyd resin base

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W01 ODP Standard Features:
- 0.25 to 25 HP
- Frame 56 to 254/6T
- Three-phase, 2, 4 and 6 pole, 60Hz
- Voltage: 208-230/460V, 575V
- Open Drip Proof - ODP (IP21)
- Die cast aluminum squirrel cage rotor
- Bearings:
  - ZZ / Normal up to frame 213/5T
  - Z / C3 for frame 254/6T
- 1045 heat treated and stress relieved carbon steel shaft
- Class “F” insulation for all frames. Temperature rise limited to Class “B” (80K)
- All three phase motors have Spike Resistant WISE wire.
- 575V Motors are protected against IGBT voltage spikes up to 2200V.
- Exceeds NEMA MG1 Part 31.4.4.2
- Dip and Bake Insulation system
- NEMA design “B”
- 1.15 Service Factor
- Continuous duty (S1)
- 104F (40ºC) ambient temperature
- Altitude: 3300 ft (1000m)
- Double Gasketed terminal box
- Paint: Synthetic enamel alkyd resin base