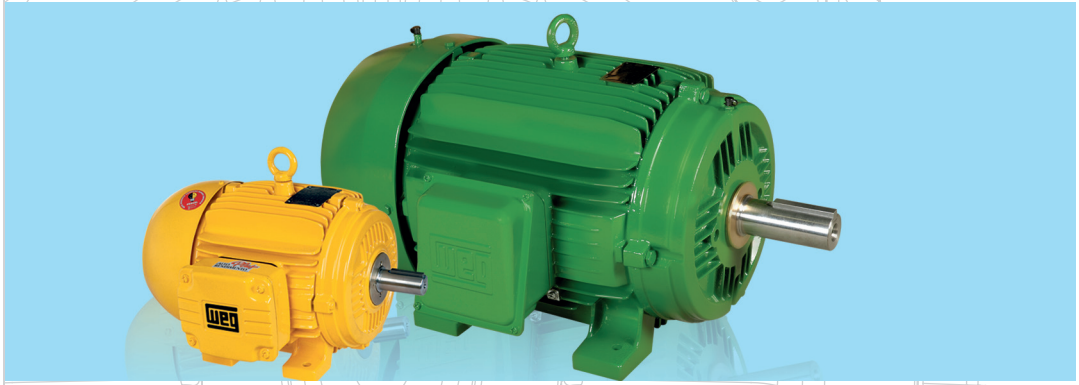
IEEE841

NEMA Premium Efficiency Motors

- Petrochemical Process
- Steel Mills
- Pulp & Paper
- Severe Duty



IEC Version of IEEE 841 Available

IEEE841

WEG IEEE 841 NEMA Premium Efficiency Motors

The WEG IEEE 841 motors meet and exceed the IEEE 841 specification. The motors are designed for aggressive environments such as Pulp and Paper, Petrochemical Process Plants, Steel Mills and applications requiring severe duty and long life motors.

The WEG IEEE 841 is also a NEMA Premium motor, in compliance with the NEMA Premium and CEE energy efficiency program.

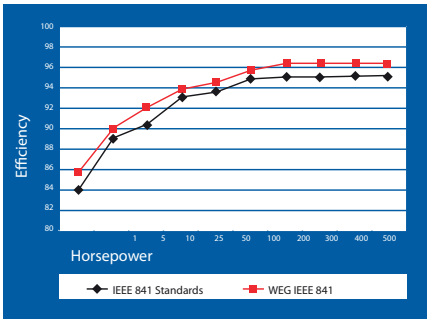
STANDARD FEATURES

- Three phase, II, IV, VI or VIII pole, 60Hz
- 143T up to 586/7T cast iron frame
- Voltages: 230, 460 or 575V
- Totally Enclosed Fan Cooled (TEFC)
- InProSeal
- Class "F" insulation ("B" Temperature Rise)
- 40ºC ambient temperature at 1000 m.a.s.l.
- Service Factor: 1.25 up to 100 HP
  1.15 from 125 HP and up
- Vibration: 0.06 IPS or less.
- Guaranteed foot flatness to within 0.005"
- Paint: WEG paint plan 202, which is a 3 part corrosion resistant epoxy paint system
- Exposed internal stator, rotor, and shaft surfaces protected against corrosion by epoxy coating
- Resin continuous flow impregnation for frames 364T up to 505T
- Squirrel cage rotor (Aluminum die cast)
- All cast iron reinforced construction: frame, endshields, terminal box and fan cover (WEG FC200 cast iron)
- Stainless steel nameplates
- Ball bearings
- Regreseable ball bearings D.E. and O.D.E. (all motors are regreseable with extended stainless steel purge systems except for motors up to 5HP 1800 rpm and slower which contain sealed bearings)
- Diagonally split oversized rotatable cast iron conduit box
- 4140 high tensile steel shaft for frame 404T and up
- Color: RAL 6002 (green)
- Performance tests according to IEEE 841 supplied with each motor (winding resistance; no load current, voltage, speed; and five unfiltered vibration readings.)

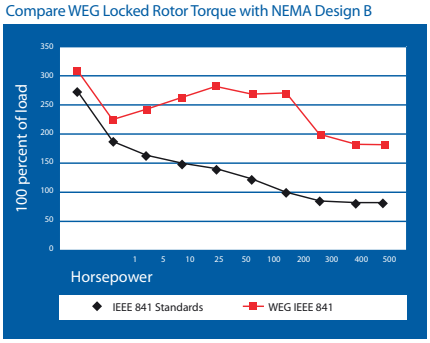
OPTIONAL FEATURES

- Special voltages
- Specially designed shaft
- Space heaters
- Second shaft end
- Thermostats or RTD's (PT100)
- Additional terminal box
- Cable glands
- Flange mount

Compare WEG Efficiency with IEEE 841 Standards



Compare WEG Locked Rotor Torque with NEMA Design B



IEEE841/08/08

Please contact your authorized distributor:

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