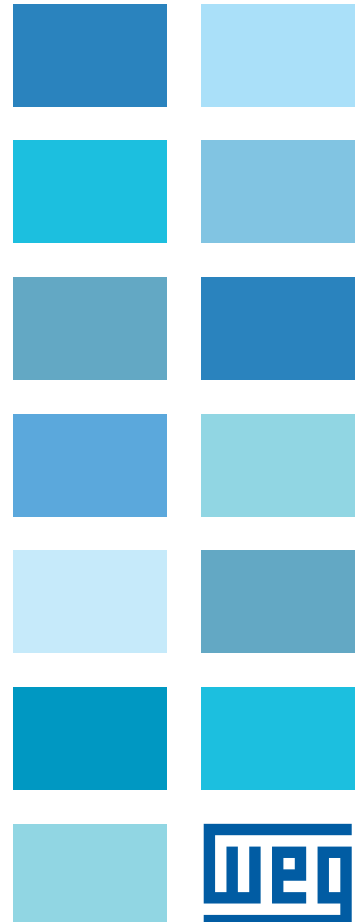
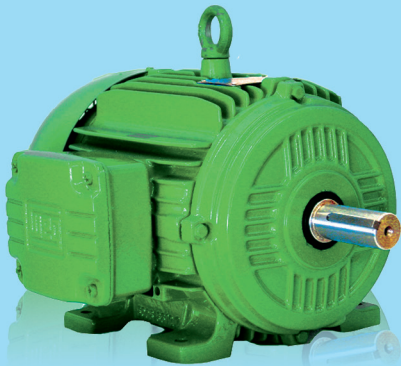


# Cooling Tower

## NEMA Premium® Efficiency Motors

- Cooling Tower
- Evaporative Condensers
- Chemical plants
- Pulp and paper mills
- Pumps
- Fans
- Packaging equipment



# Cooling Tower - NEMA Premium® Efficiency - Three Phase - TEFC

## Meets CEE Energy Specification TEFC – Three Phase – Foot Mount

WEG'S Cooling Tower - NEMA Premium Efficiency motors meet or exceed all NEMA Premium and CEE requirements for energy efficiency. Cooling Tower – High Efficiency motors also meet or exceed EPACT.

These TEFC motors are built according to NEMA standards and designed for operation in 100% humidity and the most corrosive environments. The entire line is certified Inverter Rated for use with a VFD.

They are designed to operate in either horizontal or shaft up or shaft down position.

As with any other WEG motor, Cooling Tower motors are tested in accordance with IEEE 112, Method B, and their efficiency values are certified by UL (CSA C390). Cooling Tower motors will meet Design B torques, maintaining exceedingly high breakdown and locked rotor torque while providing the highest rated efficiency levels.



### STANDARD FEATURES

- Three-phase, 4, 6, 4/8 and 6/8 pole, 60Hz, 60/50Hz (Single Speed Only)
- Voltage: 208-230/460V, 200V, 460V or 575V
- Totally Enclosed Fan Cooled – TEFC (IP55) water tight and dust tight enclosure
- Multiple Endbell Drains for shaft up, down or horizontal mounting
- Automatic drain plugs on T-Box
- Rubber Lead Separator (isolator) between T-Box and Frame
- Joint Seal between frame and brackets
- Internally and Externally Epoxy painted
- V-ring slingers on both endshields
- External Slinger (Umbrella Seal) on drive end
- Double Sealed - 2RS Ball Bearings (up to 326T)
- 1045 Carbon Steel Shaft for frames up to 365T.
- 4140 steel shaft for motors 404T and above. (3600 RPM motors supplied with 1045)
- NEMA dimensions
- Class 'F' insulation for all frames
- Class 'H' resin insulation system
- Temperature rise: Class 'B' (80°C)
- NEMA Design 'B'
- Most ratings meet Design C Torque

- Service factor: 1.25 up to 100HP  
1.15 from 125HP & up
- Continuous duty (S1)
- NPT threaded terminal box
- F2 mount
- Stainless steel nameplate AISI 316 with laser etching
- MGI Part 31 rating for use with VFD - 1000:1 Variable Torque speed range.

### OPTIONAL FEATURES

- Special voltages
- Specially designed shaft
- Thermistor, Thermostats or RTD's (PT100)
- Additional terminal box
- Drip cover (canopy) for shaft down applications
- Cable glands
- 'C' and 'D' flanges for all ratings
- Labyrinth taconite seal available on all ratings



#### Note:

All motors are tested according to IEEE 112 Std. - Method 'B' or C390 CSA.

Energy efficiency motors verified by UL in addition to the DOE.

The NEMA Premium® is a trademark of NEMA.



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Please contact your authorized distributor: