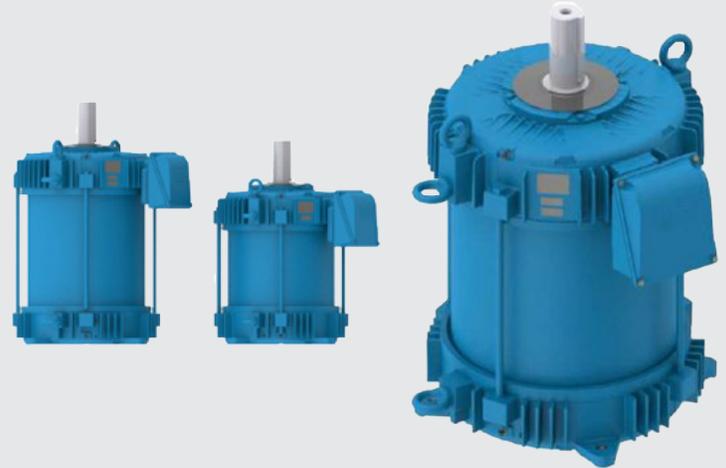


Cooling Tower Direct Drive Motors



This permanent magnet motor, is design to connect directly to the cooling tower fan blades and eliminate the gearbox, and jack shafts/drive belts used in traditional cooling towers. Driving higher system efficiencies, while reducing maintenance requirements.



SCOPE

- Rated Output: 40 to 150 HP
- Torque: 636 Nm to 3756 Nm (470-2770 lb-ft)
- Nominal Speed: 160 - 450 rpm
- Voltage: Three phase 380, 460 and 575 V
- Ambient Temperature: -20 to 40 °C*
- Class F Insulation
- Insulated N.D.E. Bearing Hub
- Internal Shaft Grounding Ring
- Thermal Protection:
 - Winding Thermal Protection PTC – 155°C
 - Optional: RTDs for Windings and D.E. Bearing
- Enclosure: TEAO
- Minimum Required Air Velocity: 3.8 m/s (750 ft/min)
- Rotor Type: PM
- Degree of Protection: IP66
- Certifications: UL, CSA
- Supplied with WEG CFW11 Variable Frequency Drive Series

FEATURES & BENEFITS

- Reduced Maintenance Intervals in confined space
- No Oil change outs for the Gearbox, better for the environment
- Bearing life L10h exceeding 100,000 h
- Improved Efficiency
- IP66 Features:
 - Permatex sealant between components interfaces
 - Gasket between bracket and conduit box
 - Inpro/Seal
 - Shaft Slinger
 - Drain plugs on NDE Endshield

