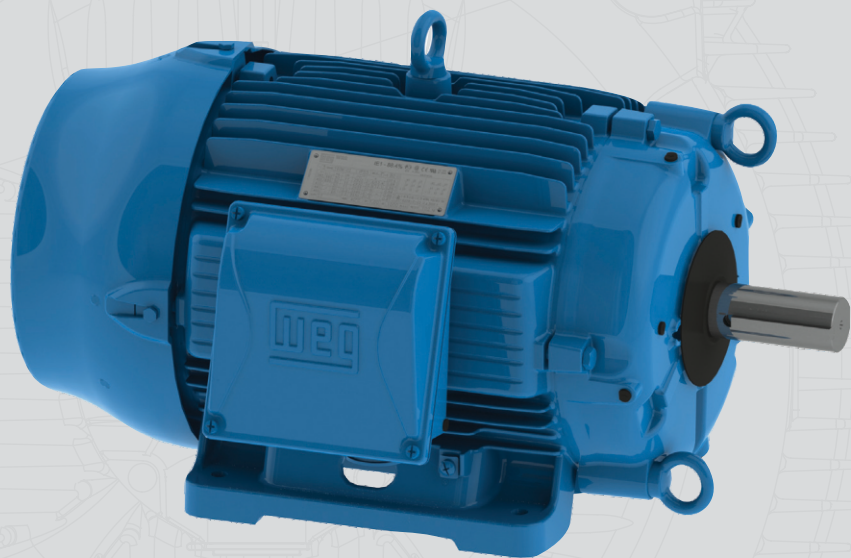


W22 Cooling Tower

NEMA Premium® Efficiency Motors
1-100HP, 1800, 1200, 1800/900 & 1200/900 RPM
Single Speed & 2-speed

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

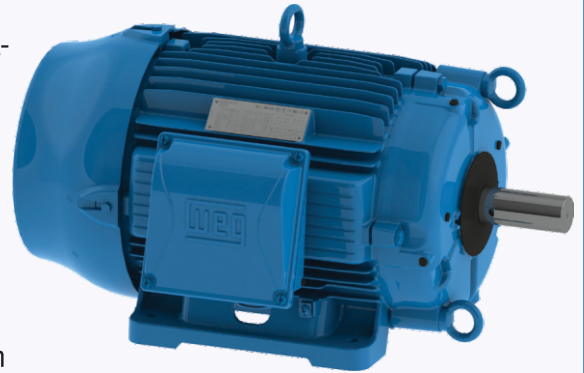


Cooling Tower - NEMA Premium Efficiency - Three Phase -TEFC/TEAO

WEG'S Cooling Tower - NEMA Premium Efficiency motors meet or exceed all EISA-2007 requirements for energy efficiency.

These TEFC and TEAO motors are built according to NEMA standards and designed for operation in 100% humidity and the most corrosive environments. The entire line is Inverter Rated for use with Variable Frequency Drives. They are designed to operate in either horizontal or vertical shaft up/down position. Sealed bearing in all sizes require no lubrication.

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, 1800, 1200, 1800/900 and 1200/900RPM 60Hz
- Voltage: 208-230/460V, 200V, 460V or 575V 60Hz
- 1.25 Service Factor at 60Hz for Single Speed motors
- 1.15 Service Factor at 60Hz for Two-Speed motors
- Single Speed available from 1-100Hp and also rated 380V 50Hz 1.0SF
- Available in Totally Enclosed Fan Cooled – TEFC – and Totally Enclosed Air Over–TEAO – water/dust tight (IP55)
- Multiple End Shield Drain plugs for all mounting position
- Multiple Drain plugs on Terminal Box
- Rubber Lead Separator (isolator) between Terminal Box and Frame
- Joint Seal between frame and brackets
- Internal and External Epoxy Paint for increased corrosion protection
- V-ring slinger on both end shields
- Umbrella Seal on drive end prevents water tracking down shaft in shaft up installations
- Double Sealed Anti-Friction Ball Bearings - maintenance free
- NEMA frames 143T-445T
- Class 'F' insulation in all frames for increased reliability
- Class 'H' resin insulation system
- Class 'B' (80°C) Temperature rise at full load for longer life
- Continuous duty (S1)
- NPT threaded, Cast Iron terminal box rotatable in 90° increments
- F2 mount (Standard Configuration); F1 available as stock mod
- Laser Etched AISI 316 Stainless steel nameplate
- MGI Part 31 rating for use with VFD - 1000:1 VT speed range

Optional Feature S

- Thermostats
- Thermistors
- Space Heaters
- Shaft Grounding Device
- Drip covers for shaft down TEFC

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.



APPROVED BY



E 104590

APPROVED BY



LR 38324

WEG W22 Cooling Tower Duty Motors

FAN COVER

Steel covers on 143T through 215T and Cast Iron 254T frames and up

FAN

Made of rigid thermoplastic, non-sparking and resistant to environment conditions and ensure low noise operation

NAMEPLATE

Laser etched and easy to read, stainless steel for corrosion resistance

LIFTING LUGS

Made of forged steel on all motors 184T frame and up. Multiple lugs available based on mounting configuration

UMBRELLA SEAL

Fits over V-Ring Slinger to provide IP55 Protection from water and other contaminants

CONDUIT BOX

Fully Gasketed, Cast Iron conduit box includes drainplugs, lead separator gasket and internal epoxy coating

FRAME

Made of high grade FC-200 cast iron for maximum cooling. Includes additional grounding lug and external epoxy paint

PERMANENTLY SEALED

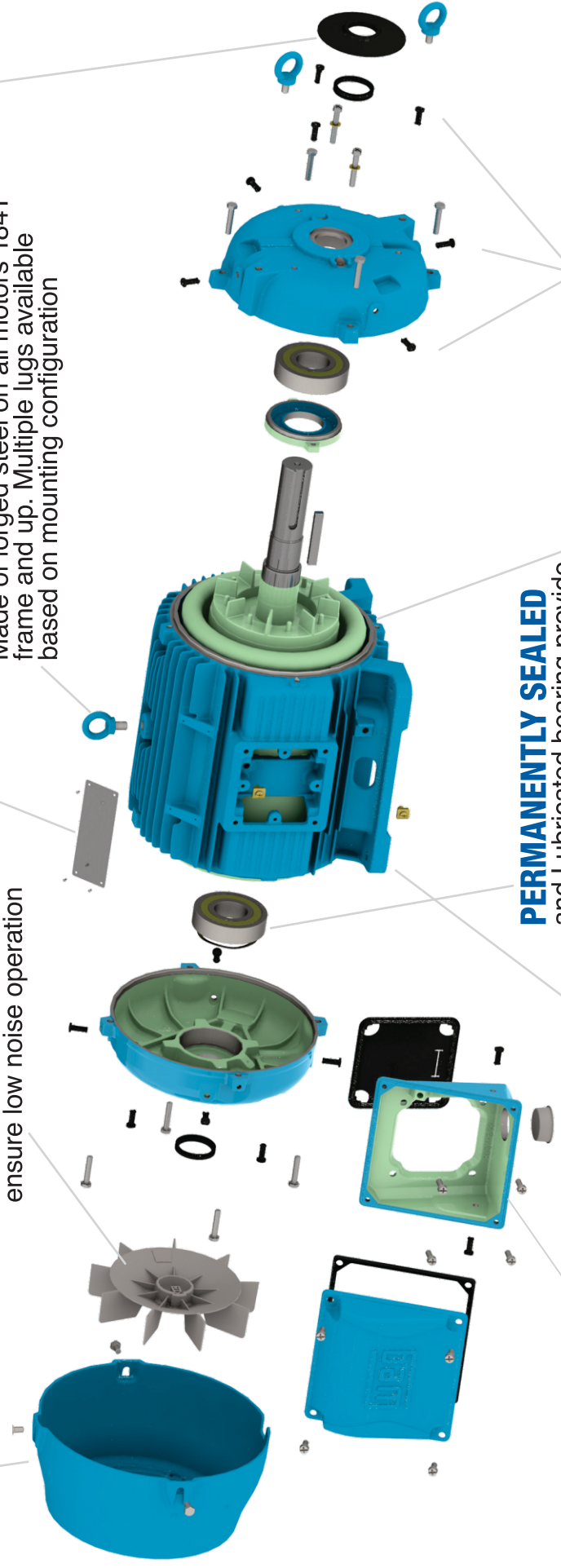
and Lubricated bearing provide maintenance free long life

INTERNAL EPOXY COATING

Entire interior of the motor is coated with epoxy for maximum moisture/corrosion resistance

DRAIN PLUGS

Located every 90 degrees and on the face of each endshield. Easy to open and accommodates all mounting configurations



WEG Electric Corp. offers the following products, and more! With a full range of IEC/NEMA Global Certifications and a full line of products, WEG can supply the right solution for your needs anywhere in the world. To learn more about WEG's products and solutions or to locate a Distributor near you, please call **1-800-ASK-4WEG** or visit **www.weg.net/us**.

**Low Voltage Motors,
Single and 3-Phase, 1/8 – 700HP**

General Purpose Motors
Explosion Proof Motors
Crusher Duty Motors
IEC Tru-Metric Motors
Pump Motors including JP/JM
P-Base Pump Motors
Oil Well Pumping Motors
Pool & Spa Motors
Brake Motors
Compressor Duty Motors
Farm Duty Motors
Poultry Fan Motors
Auger Drive Motors
IEEE 841 Motors
Stainless Steel Wash Down Motors
Saw Arbor Motors
Cooling Tower Motors
Commercial HVAC Motors
Pad Mounted Motors
Vector Duty Motors

Large electric Motors

Low Voltage 3-phase motors up to 2,500HP
Motors up to 70,000HP and 13,200V
Wound Rotor Systems (including starters) up to 70,000HP and 13,200V
Synchronous Motors up to 70,000HP and 13,200V
Explosion proof motors (Ex-d) up to 1,500kW and 11kV
Ex-n, Ex-e, Ex-p motors

Variable Frequency drives

Low Voltage 1/4 to 2500HP, 230V – 480V
Medium Voltage 500-8000HP
Multi-pump systems
NEMA 4X
Dynamic braking resistors
Line and load reactors
Plug and play technology
Network communications: Profibus-DP, DeviceNet, Modbus-RTU
PLC functions integrated
Complete line of options and accessories

Soft Starters

3-1500HP
Oriented start-up
Built-in bypass contactor
Universal source voltage (230-575V, 50/60Hz)
Network communications: Profibus-DP, DeviceNet, Modbus-RTU
Complete Line of options and accessories
MV Soft-starter 3.3kV, 4.16kV: up to 3500HP, Withdrawable Power Stacks, & 8x PT100 Temperature monitoring

Controls

Mini – Contactors
IEC Contactors
Thermal Overload Relays
Manual Motor Protectors
Molded Case Circuit Breakers
Smart Relays
Enclosed Starters: combination & non-combination,
Pushbuttons & Pilot Lights
Timing & Motor Protection Relays
Terminal Blocks

Custom Panels

Custom configured to your specification.
NEMA 1, 12, 3R, 4 and 4X cabinets
Quick delivery of preconfigured drives and soft starters
UL 508 certified
Low Voltage (230-460)
Made in the U.S.A.

Generators

Brushless Synchronous Generators for diesel gen-sets up to 4,200kVA
Hydro-generators up to 25,000kVA
Turbo-generators up to 62,500kVA

Power transformers

Built and engineered in North America
Voltages < 500kV
Ratings 5-300MVA
Station class, oil filled, round core, copper windings
Special configurations and designs available!
Ask your WEG Sales Representative for details.
Designed, built, and engineered to ANSI standards.

Custom Solution Package Sales

WEG can package any of its products for ease of sale! Enjoy a single point of contact for the entire package of products and assistance from quote through after-sales support. Ask your WEG Sales Representative for details.



Please contact your authorized distributor:



WEG Electric Corp.
6655 Sugarloaf Parkway
Duluth, GA 30097
Phone: 1-800-ASK-4WEG
web: www.weg.net



H.E. JACKSON ENGINEERING LTD

Kanengo Industrial, Area 28, Plot 91, Lilongwe, Malawi

info@hejackson.com | +265 999987802 | www.hejackson.com