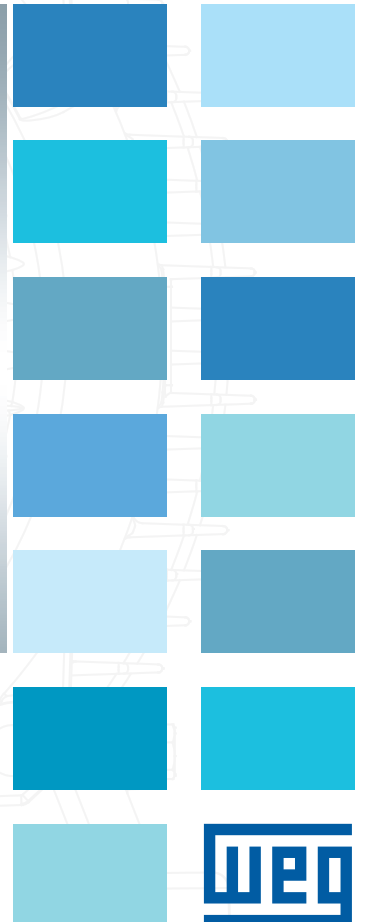
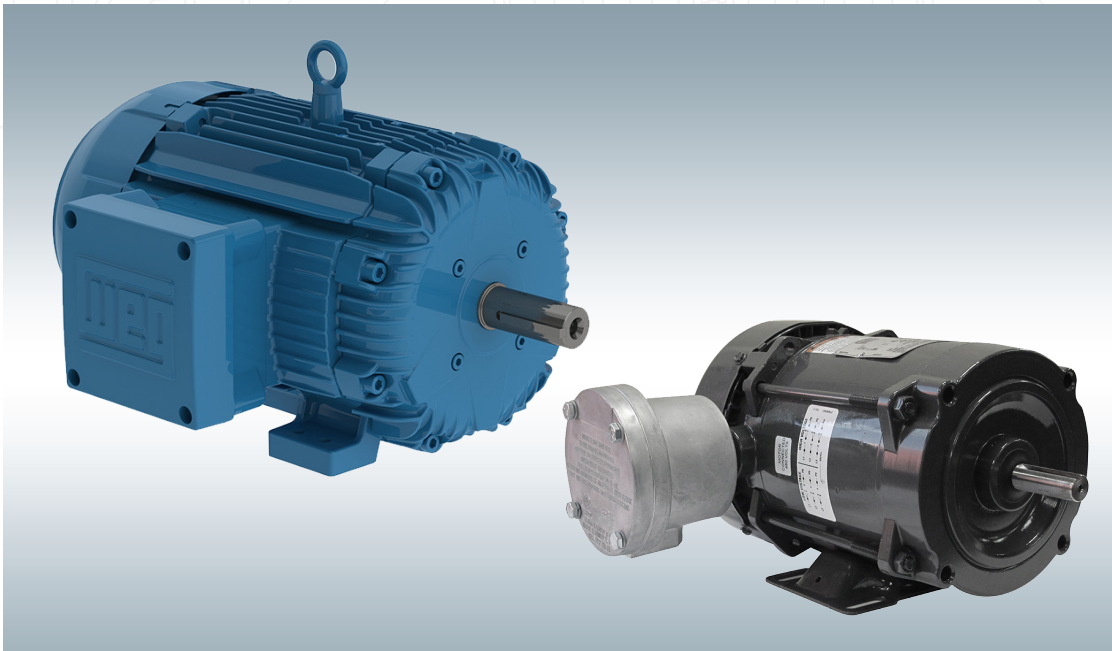


Explosion Proof Motors

1/3 - 500 HP, 2,4,6,& 8 Pole

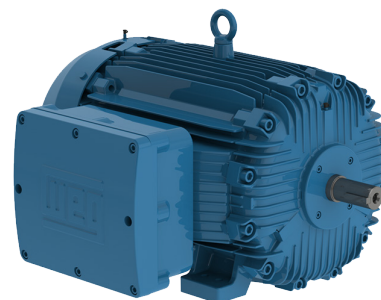


Explosion Proof - Three Phase

Three Phase

Foot Mount and Flange Mount

WEG Explosion Proof motors are suitable for applications requiring UL or CSA certification for hazardous locations. Thermally protected with thermostats, all motors manufactured are submitted to routine testing at the factory to ensure compliance to the required specifications. WEG Explosion Proof motors are specifically designed to meet or exceed all North American requirements for energy efficiency.



Standard Features:

- Efficiency Certification number CC029A according to US Department of Energy Regulations
- Three-phase, 60Hz
- Voltage: 208-230/460, 460 or 575V
- Squirrel cage rotor / Aluminum die cast
- Totally Enclosed Fan Cooled – TEFC (IP54 & IP55)
- Ball bearings are supplied as standard regreasable bearings 254T Frames & Larger
- Cast iron frame
- Class 'F' insulation
- Temperature rise: Class 'B' (80°C) FL
- Service factor: 1.15
- Inverter Duty
- NEMA dimensions
- NEMA ratings design 'B'
- Continuous Duty (S1)
- 55° ambient @ 1.0SF through 150hp 2 and 4 pole
- 104°F (40°C) ambient temperature
- Altitude: 3300 ft (1000 m)
- 1045 Carbon Steel Shaft for frames up to 365T
- 4140 steel shaft for motors 404T and above.
- Class 'F' insulation for all frames
- 60/50Hz Nameplate
- Stainless steel nameplate
- Paint: Epoxy with Polyurethane top coat (exceeds ASTM B117 salt spray test 200 hours)
- Color: RAL 5009 – Blue
- NPT threaded terminal box
- Non-sparking fan
- Thermostats
- F1 mount

Optional Features:

- Flange mount
- AEGIS® inside
- Special voltages
- Space heaters
- Specially dimensioned shaft
- Double shaft
- Stainless steel shaft
- Footless
- Other mounting configurations
- IP66
- Encoders
- TENV

Applications:

- Petro Chem
- Flour / feed mills
- Grain elevators
- Fans
- Pumps
- Blowers
- Material handling equipment
- Other applications requiring motors UL or CSA listed for hazardous locations

CSA AND UL APPROVED
CSA approved - File LR 50962
Class I, Division I, groups C and D
Class II, Division I, groups F and G

IEC - Ex Certification Available

UL approved - File E 87848
Temperature code T3C
Frame 143T up to 326T
Class I, Division I, groups C and D
Class II, Division I, groups F and G

Frame 364T up to 586/7
Temperature code T3C
Class I, Division I, groups C and D
Class II, Division I, groups F and G*
* For group G, Service Factor 1.0

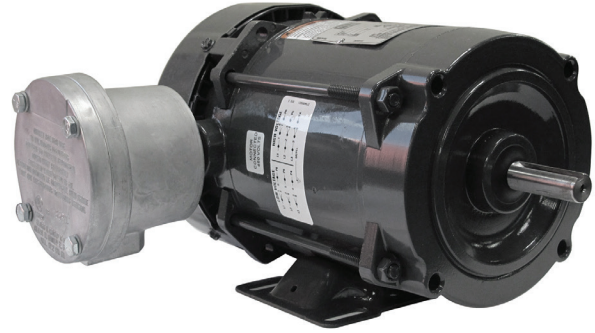


Fractional Explosion Proof - Three Phase

Great complement to our integral explosion proof offering, allowing us to come to customers with complete solution.

Standard Features:

- Class F insulation
- 50°C ambient temperature rating
- 1.0 service factor
- Foot mount motors with and without C-flange
- IP 55 rating
- Class I - Group C & D and Class II - Groups E, F & G – T3C
- Thermally Protected
- Three-Phase motors also rated for 50Hz
- Long leads for remote wiring
- Unassembled aluminum conduit box included
- Aluminum endshields



Single-Phase motors

- 2-Pole - from 1/3HP to 2HP
- 4-Pole – from 1/3HP to 1.5HP
- 1/3HP 4-Pole is TENV
- All others are TEFC

Three-Phase motors

- 2-Pole - from 1/3HP to 2HP
- 4-Pole – from 1/3HP to 2HP
- 1/3HP 2 & 4-Pole are TENV
- All others are TEFC

Now available in Jet Pump 56J

Single-Phase motors

- 2-Pole - from 1/2HP to 1.5HP
- TEFC

Three-Phase motors

- 2-Pole - from 1/2HP to 2HP
- TEFC



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**.

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:



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