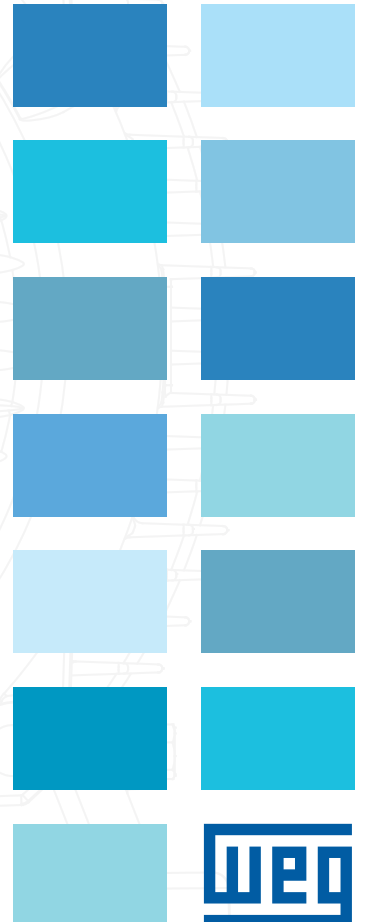
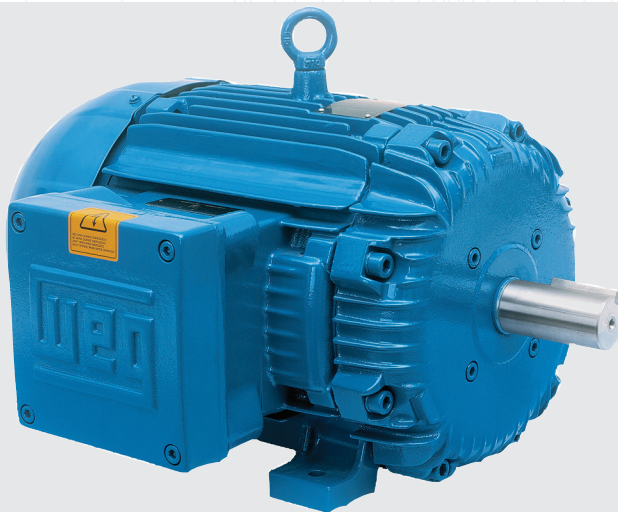


# Explosion Proof Motors

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

- TEFC High Efficiency
- TEFC NEMA Premium®
- Three Phase
- Foot & Flange Mount
- UL and CSA Certification



USEP1027



## Explosion Proof

### 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 EISA 2007 requirements for energy efficiency.



#### Applications

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

#### Optional Features

- Flange mount
- Special voltages
- Specially dimensioned shaft
- Second shaft end
- Stainless steel shaft
- Footless
- Other mounting configurations

#### 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

#### UL approved - File E 87848

Temperature code T4  
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

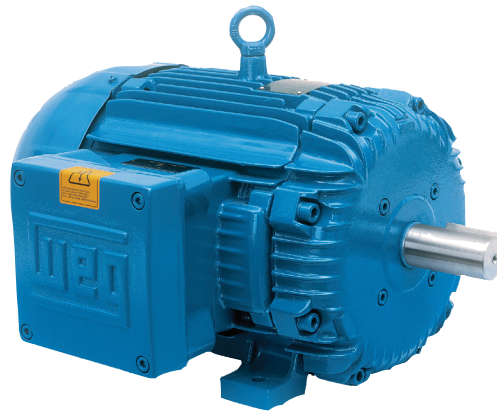
Class I, Division I, groups C and D  
Class II, Division I, groups F and G\*

\* For group G, Service Factor 1.0

# Explosion Proof

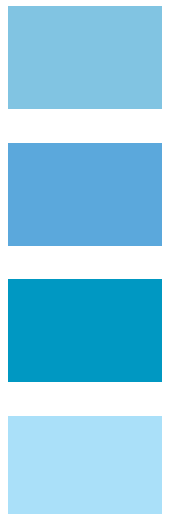
## Three Phase

### Foot Mount and Flange Mount



#### 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 364T Frames & Larger
- Cast iron frame
- Class 'F' insulation
- Temperature rise: Class 'B' (80°C) @ FL
- Service factor: 1.15
- Inverter Duty as per CSA Standard (LR50962)
- NEMA dimensions
- NEMA ratings design 'B'
- Continuous Duty (S1)
- 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. (3600 RPM motors supplied with 1045)
- Class 'F' insulation for all frames
- Class 'H' impregnation resin
- 60/50Hz Nameplate
- Stainless steel nameplate
- Paint: Synthetic Enamel alkyd resin base (exceeds ASTM B117 salt spray test 200 hours)
- Color: RAL 5009 – Blue
- NPT threaded terminal box
- Non-sparking fan
- Thermostats
- F1 mount



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](http://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.



WEG Electric Corp.  
6655 Sugarloaf Parkway  
Duluth, GA 30097  
Phone: 1-800-ASK-4WEG  
[www.weg.net](http://www.weg.net)

Please contact your authorized distributor: