

TOSHIBA
Leading Innovation >>>



Efficiency, Quality, & Performance (EQP) — The EQP Global® XP Explosion Proof motor is Toshiba's next-generation NEMA Premium® efficiency motor series.

This totally enclosed fan cooled product line is equipped to contain an explosion that may occur inside the motor, as well as prevent explosive gases and vapors from being released into the environment. Its robust construction meets the requirements for UL- and CSA-Listed Hazardous Locations and offers the highest performance and reliability for indoor and outdoor use.

Built for the petrochemical, mining and mineral, pharmaceutical, and agricultural industries, the EQP Global XP is designed to meet or exceed the competitive demands of the global market while maintaining the reliability and quality expected from Toshiba, making this product line one of the lowest cost-of-ownership products in the industry.

Our EQP philosophy extends beyond great products. We provide solutions and Global Supply Chain Management Systems (GSCMS) to meet the evolving needs of our global customers.

- Premium Efficiency
- Dual Label with 1.15 Service Factor
 - Class I, Division 1, Group D
 - Class II, Division 1, Groups E, F, & G
 - Operating Temperature Code, T3B
- Thermal Protection
- C-Flange Available through 365T Frame



3 THREE YEAR WARRANTY

Horsepower	¾ to 350 HP
Speed (60 Hz)	3600, 1800, 1200, or 900 RPM
Voltage (60 Hz)	230/460, 460, or 575 V
Enclosure	Totally Enclosed Fan Cooled
Frame Size	143T through N449T
Protection	IP55
Construction	All Cast Iron
Insulation	Class F
Vibration (Unfiltered)	Typically 0.08 Inches/Second or Less
Environment	Severe Duty, Suitable for Use in Division 1 Hazardous Locations



EQP Global XP
LOW VOLTAGE MOTOR
SEVERE DUTY





BUILT FOR SEVERE DUTY APPLICATIONS



Nameplate

- Stainless Steel
- Connection Diagram Included
- Etched Lettering



Construction

- Cast Iron Frame & Bearing Brackets
- Stainless Steel Drain & Breather Plugs
- Multi-Mount on 140 through 445 & N449 Frames
- Corrosion-Resistant ASTM Grade 5 Hardware
- IP55 Protection
- Typical Unfiltered Vibration Levels of 0.08 Inches/Second or Less



Conduit Box

- Cast Iron Construction
- UL Ground Lug
- Compression-Type Terminal Lugs on 280 Frame & Larger
- Rotatable (90°)
- Potted Leads with Chico® Sealing Compound



Bearing System

- Oversized 300 Series Bearings on All Frames (DE & ODE)
- Regreasable 280 Frame & Larger
- Non-Sparking Brass V-Ring Slingers
- Locked Drive-End Bearing 210 Frame & Larger
- Ball Bearing 143T Through 405T Frames
- Roller Bearing on 444T Frame & Larger (4- & 6-Pole)



Insulation System

- Class F Insulation
- Major Components Made from Class H Rated Materials
- Class B Temperature Rise at 1.15 Service Factor (445T Frame & Below)
- Normally-Closed Winding Thermostat
- T3B (165°C) Temperature Code Rating



Testing

- 100% No-Load Commercial Test per IEEE 112 on All Motors
- On 440 Frame & Larger:
 - » Commercial Test & Vibration Test
 - » 100% of Bearings are Ball-Pass Frequency Tested

