

TOSHIBA

Leading Innovation >>>



TEXP Large Explosion Proof Motor

Toshiba's general purpose, totally enclosed explosion proof high efficiency motors are built to meet the UL – and CSA – listed hazardous locations requirements. This product line is designed for use in Class I, Division 1, Group D, and Class II, Division 2, Groups F and G. The motor is ideal for indoor and outdoor use and offers the performance and reliability the motor industry has come to expect from Toshiba, which makes the Explosion Proof Motor the clear choice for the toughest environments and applications.

Toshiba provides solutions and Global Supply Chain Management Systems (GSCMS) to meet the evolving needs of global customers.

- Class I, Division 1, Group D
(Contact Factory for Group C)
- Class II, Division 1, Group F & G
(Contact Factory for Group E)
- Operating Temperature Code T3B
- Thermal Protection Included
- C Flange Available (Contact Toshiba for D Flange)

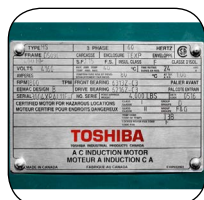
** CSA Listed is available for 449 Frame
& UL Listing for 500 Frame & larger*



Horsepower	200 - 1000 HP
Speed (60 Hz)	3600, 1800, 1200, 900, or 720 RPM (Contact Factory for Slower Designs)
Voltage (60 Hz)	Up to 7200 V (Contact Toshiba for Other Options)
Enclosure	Totally Enclosed Fan Cooled
Frame Size	449 through 6811
Protection	IP55 (IP56 is available as an option)
Construction	All Cast Iron Frame, Brackets, & Terminal Box
Insulation	Class F VPI - Form Wound
Vibration (Unfiltered)	Typically 0.12 Inches/Second or Less
Environment	Severe Duty, Suitable for Use in Division 1 Hazardous Locations
Rotor Design	Fabricated Copper Bar Rotors

TEXP
MEDIUM VOLTAGE MOTOR





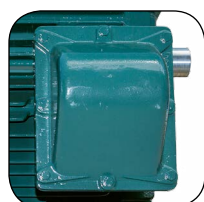
Nameplate

- Stainless Steel 304
- Engraved Lettering
- Separate UL ID Tag



Construction

- Cast Iron Frame & Bearing Brackets
- Stainless Steel Drain & Breather Plugs
- Corrosion-Resistant ASTM Grade 5 Hardware
- IP55 Protection (Contact Factory for IP56 Option)
- Fiberglass reinforced fan cover for 500, 5800, 680, & 6800



Conduit Box

- Cast Iron Construction
- UL Ground Lug
- Compression-Type Terminal Lugs
- Rotatable (90°)
- Potted Leads with Chico® Sealing Compound
- Contact Factory for Special Boxes



Bearing System

- Bearings are Heat Stabilized
- Oversized Bearings for Longer Life
- Antifriction Bearing
- Contact Toshiba for Sleeve Bearing Options



Insulation System

- Copper Coil Construction
- Mica Ground Wall
- Minimum 2 Vacuum Pressure Impregnations (VPIs)
- Third Coat of Epoxy Varnish
- Coil Bracing System
- Class F Insulation System



Testing

- 100% No-Load Commercial Test per IEEE 112 on All Motors
- Commercial Test & Vibration Test
- Contact Toshiba for Special Testing

