

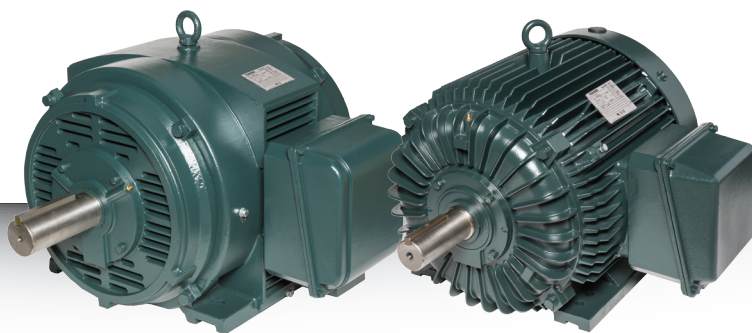
TOSHIBA
Leading Innovation >>>

Tosh-ECO™ OIL WELL PUMP

The Tosh-ECO™ Oil Well Pump Motor is the latest line of Toshiba low voltage motors designed for efficiency and reliability.

The Oil Well Pump motor is equipped to handle the harshest of environments, including installations in remote locations where the motor cannot be easily accessed.

Specifically built for use in the oil and gas industry, these motors offer a high-slip, high-torque design with protective screens to safeguard against outdoor elements. Exceptional corrosion-resistance and high structural rigidity are inherent in this type of motor, and reliability and durability are critical factors that differentiate this product from competitors' offerings.



2 TWO YEAR WARRANTY

Horsepower	5 to 100 HP
Speed (60 Hz)	1200 RPM
Voltage (60 Hz)	230/460-796 V
Enclosure	Open Drip Proof (ODP) & Totally Enclosed Fan Cooled (TEFC)
Frame Size	215T through 444T
Protection	IP22 for ODP IP55 for TEFC
Construction	Cast Iron (Frame, Brackets, & Conduit Box)
Insulation	Class F
Vibration	Typically 0.10 Inches/Second or Less

- High Efficiency Design
- NEMA Design D (5 to 8% Slip)
- Corrosion-Resistant Screens & Hardware for Open Motors
- F2 Assembly (F1 Field Modifiable)
- Thermal Protection on Motor Windings
- External Grounding Provisions
- Dual Mounts on All Frames
- 1.15 SF on All Motors
- Normally Stock for Selected Ratings (Check Catalog for More Details)



Tosh-ECO™
 OIL WELL PUMP
 LOW VOLTAGE MOTOR - OIL & GAS DUTY



BUILT FOR OIL & GAS APPLICATIONS



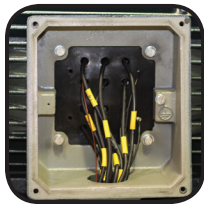
Nameplate

- Stainless Steel (304)
- Etched Lettering



Construction

- Cast Iron Frame & Bearing Brackets
- Gasket Provided Between Motor Frame & Conduit Box
- Typical Unfiltered Vibration Levels of 0.10 Inches/Second or Less
- IP 22 & IP 55 Protection
- Corrosion-Resistant Rodent Screens on ODP Enclosures
- Ground Terminal on Motor Frame
- Drain Holes (Quantity 2) on TEFC



Conduit Box

- Gasketed Cast Iron Construction
- F2 Assembly with F1 Modifiable Option
- Provision for Grounding
- Terminal Lugs on 284 Frame & Larger
- Rotatable (90°)
- NPT Drill & Tap Conduit Opening
- Connection Stickers on Terminal Box Cover



Bearing System

- Oversized Bearings for Extended Life & Quiet Operation
- Cylindrical Roller Bearings on All 440 Frames
- Regreasable 320 Frame & Larger with NLGI #2 Grease
- L-10 Life of 100,000 Hours for Direct-Coupled Applications
- L-10 Life of 40,000 Hours for Belted Applications



Insulation System

- Class F Insulation System
- VPI Insulation on all Frames
- Additional Coating of Motor Varnish for Maximum Protection Against Corrosion, Abrasion, & Moisture
- Class B Temperature Rise at 1.0 Service Factor
- Winding Thermostats Included on all Motors (Two per Phase - Normally Closed)



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