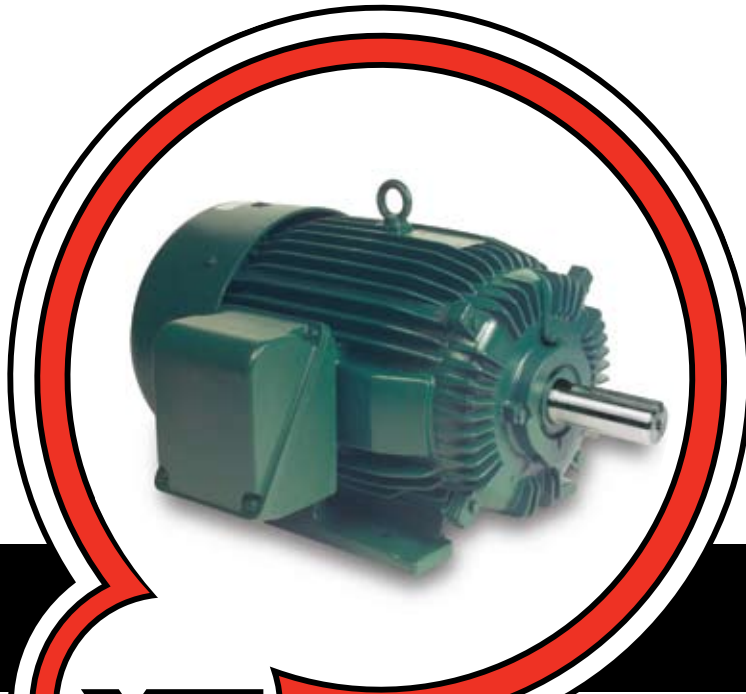


**LOW VOLTAGE MOTORS**



**XT**

**ODP  
&  
TEFC**

**EQP III™**

**Reliability in motion®**

- NEMA Premium® Efficiency (DOE # CC027A) **NEMA Premium®**
- Inverter Duty
- 20:1 Constant Torque (1 to 200 HP, 1800 & 1200 RPM) on TEFC Only
- Design-C Torque Capability
- Low Temperature Rise

**Three Year  
Warranty**

**PRODUCT SCOPE**

Horsepower	3/4 to 500 HP
Speed	3600, 1800, 1200, or 900 RPM
Voltage	230/460, 460, or 575 V
Enclosure	Totally-Enclosed Fan Cooled & Open Drip Proof
Frames	143T through 5810U
Insulation	Class-F, Meeting NEMA MG1 Part 31 (Inverter Duty)
Vibration (Unfiltered)	Typically 0.08 Inches/Second or Less

# BUILT FOR SEVERE DUTY APPLICATIONS

# EQP111

EXTREME MOTOR PRODUCTS

Toshiba's EQP111 is the baseline product of our EQP111 extreme motor product line offering. Built to withstand the toughest conditions, the EQP111 offers some of the highest efficiency and torque ratings while producing some of the lowest vibration ratings in the industry, leading to a longer life and greater reliability.

## Construction



- Cast Iron Frame and Bearing Brackets
- Shaft/Slinger Protection on all Motors
- Multi-Mount Construction
- Gasket Provided Between Motor Frame and Conduit Box
- Typical Unfiltered Vibration Levels of 0.08 Inches/Second or Less
- IP54 Protection

## Insulation System



- System's Major Components Made from Class-H Materials
- Low Loss Electrical Steel with 1000°F Burnout Capability
- System Meeting NEMA MG1 Part 31
- Voltage Withstand Capability of 2000 V in 0.1  $\mu$ s
- Large Thermal Margins for Extended Life and Reliability
- Phase Paper and Coil Bracing on Both Ends on All Ratings

## Nameplate



- Stainless Steel
- NEMA Premium® Design
- Raised Letters for Clarity
- Inverter Ready Rating on Nameplate (1 to 200 HP, 4 & 6 pole)

## Bearing System



- Oversized 300 Series Load Side Bearings on 210 Frames and Larger
- Low Temperature Rise for Extended Life
- L-10 Bearing Life of 150,000 Hours Direct Coupled
- L-10 Bearing Life of 40,000 Hours Belted

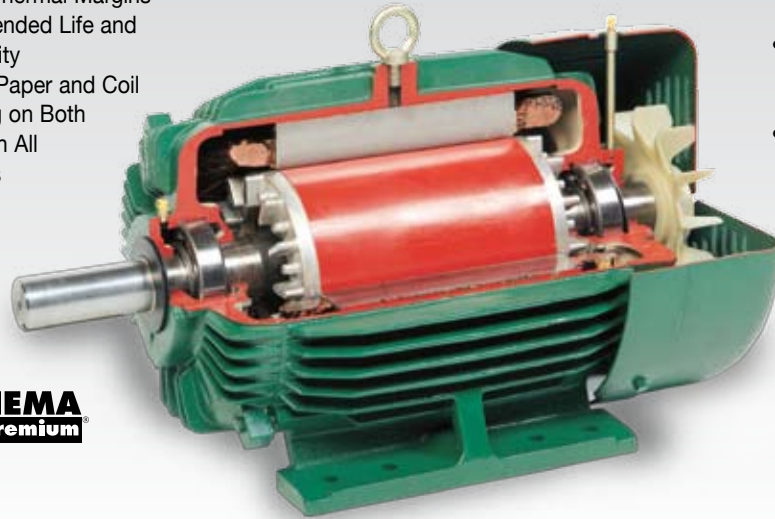
## Conduit Box



- Provision for Grounding
- Terminal Lugs on 280 Frames and Larger

## Testing

- 100% No-Load Commercial Test on All Motors
- On 440 Frame and Larger:
  - Commercial Test and Vibration Test
  - 100% of Bearings are Ball-Pass Frequency Tested



**MOTORS    ADJUSTABLE SPEED DRIVES    CONTROLS    UPS    INSTRUMENTATION    PLC**

# TOSHIBA

Available Through:

**TOSHIBA INTERNATIONAL CORPORATION  
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13131 West Little York Road, Houston, Texas 77041  
 Tel 713/466-0277 Fax 713/466-8773  
 US 800/231-1412 Canada 800/872-2192 Mexico 01/800/527-1204  
 www.toshiba.com/ind  
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