

# TOSHIBA

Leading Innovation >>>



**2** TWO YEAR WARRANTY

Toshiba's Design C motor series combines Design C torque with EPACT efficiency to exceed the demands of the most severe industrial applications.

This totally enclosed fan cooled series is specifically designed for applications that require high starting torque. Although typically used in conveyor or crusher applications, the motor can also be used in other severe duty indoor and outdoor applications where tough, rugged power is necessary. This motor product line encompasses Toshiba's impressive standard motor features and delivers the quality design, performance, and reliability the motor industry has come to expect from Toshiba.

- EISA Efficiency Compliant
- Inverter Duty Rated with 4:1 Constant Torque
- Cast Iron Construction
- Interchangeable C-Flange Available
- NAFTA or CE Compliant, Where Applicable

Horsepower	1 to 200 HP
Speed (60 Hz)	1800 or 1200 RPM
Voltage (60 Hz)	230/460, 460, or 575 V
Enclosure	Totally Enclosed Fan Cooled
Frame Size	143T through 449T
Protection	IP44 or IP54
Construction	Cast Iron Frame; Available with Cast Iron or Pressed Steel T-Box
Insulation	Suitable for Inverter Duty 4:1 Constant Torque
Vibration (Unfiltered)	Typically 0.10 Inches/Second or Less
Environment	Severe Duty



**DESIGN C**  
 LOW VOLTAGE MOTOR  
 SEVERE DUTY





## BUILT FOR SEVERE DUTY APPLICATIONS



### Nameplate

- Stainless Steel
- Etched Lettering
- Four-Rivet Mounting



### Construction

- Cast Iron Frame & Bearing Brackets
- Totally Enclosed Fan Cooled
- Corrosion-Resistant Hardware
- IP44 or IP54 Protection
- Typical Unfiltered Vibration Levels of 0.10 Inches/Second or Less



### Conduit Box

- Gasketed Cast Iron or Stamped Steel Construction
- Grounding Provision
- Rotatable (90°)



### Bearing System

- Oversized DE Roller Bearings on 360T through 440T Frames
- DE Ring Shaft Slinger
- Low Temperature-Rise for Extended Life
- Open Regreasable Bearing on 280 Frame & Above



### Insulation System

- Major Components Made from Class H Rated Materials
- Low-Loss Electrical Steel
- Exceeds NEMA MG1 Part 30 or 31
- Large Thermal Margins for Extended Life & Reliability
- Phase Paper & Coil Bracing on Both Ends on All Motor Ratings



### Testing

- 100% No-Load Commercial Test & Vibration on All Motors
- 100% of Bearings are Ball-Pass Frequency Tested
- Tested on 440T Frames

