



XT

**High
Torque
Design C**

Quarry Duty

Reliability *in motion*[®]

- NEMA[®] Design C, High Torque
- High Efficiency Design
- Cast Iron Construction
- IP54 Protection
- 4142 Shaft Steel
- Suitable for Horizontal & Vertical Applications

2 Year
Warranty

PRODUCT SCOPE

Horsepower	75 to 600 HP
Speed	1800, 1200, or 900 RPM
Voltage	230/460, 460, or 575 V
Enclosure	Totally Enclosed Fan Cooled
Frame Size	365T through 5810UZ
Construction	Cast Iron
Vibration (Unfiltered)	Typically 0.10 Inches/Second or Less
Insulation	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)

QUARRY DUTY MOTORS

Toshiba's Quarry Duty motor series has a proven track record of exceeding the extreme demands of the cement and aggregate industries. Our Quarry Duty motors utilize a totally enclosed fan cooled design and provide exceptional Design C torque, oversized superior-grade roller bearings, and shafts built with high strength 4142 steel. The roller bearings on the motor's drive-end allow for heavy radial loads normally associated with belt-driven applications. The Quarry Duty motor series exceeds NEMA MG1 Part 31 requirements and is designed for horizontal or vertical, indoor and outdoor applications.



Standard Features

- Three-Phase, Totally Enclosed Fan Cooled
- Cast Iron Frames, Bearing Brackets, & Conduit Box
- NEMA Design C
- Inverter Duty; Exceeds Insulation Requirements of NEMA MG1 Part 31
- Class F Insulation
- 1.15 Service Factor
- 4142 High Strength Shaft Steel on 444T Frame & Above
- Corrosion-Resistant Grade-5 Hardware as Standard; Grade-8 Hardware on 444T Frame & Above
- Two-Year Warranty

Applications

- Ball & Rolling Mills
- Centrifuges
- Chippers
- Cone Crushers
- Conveyors
- De-Barkers
- Grinding Mills
- Hammer Mills
- Jaw Crushers



MOTORS ADJUSTABLE SPEED DRIVES CONTROLS UPS INSTRUMENTATION PLC

TOSHIBA

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