TOSHIBA

Leading Innovation >>>



| Horsepower | 1/2 to 30 HP |
|-----------------|---|
| Speed (60 Hz) | 1800, 1200, or 900 RPM |
| Voltage (60 Hz) | 230/460, 460, or 575 V |
| Enclosure | Totally Enclosed Fan Cooled |
| Frame Size | 143T through 286T |
| Protection | IP23 (SD), IP54 (840) |
| Construction | Cast Iron |
| Vibration | Typically 0.10 Inches/Second or Less (Unfiltered) |
| Insulation | Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty) |
| Mounting | Vertical on 140 & 180 Frames (210 & Larger Available) |
| - | |

Toshiba's Brake Motor series is designed to meet the needs of general holding applications.

This totally enclosed fan cooled product line is built to withstand the toughest conditions from conveyors, windmills, airports, machine tools, and other applications requiring quick stops and positive holds. Toshiba's Brake Motor offers some of the highest torque ratings while producing some of the lowest vibration ratings in the industry-leading to a longer life and greater reliability. Toshiba's Brake Motor is suitable for indoor or outdoor use.

- NEMA Premium[®] Efficiency
- · Inverter-Duty Rated
- · Cast Iron Construction
- Suitable for Horizontal & Vertical Applications
- Various Brake Options Available













>>> BRAKE MOTOR



BUILT FOR GENERAL HOLDING APPLICATIONS



Nameplate

- Stainless Steel
- NEMA Premium® Design
- Etched Lettering



Construction

- · Cast Iron Frame & Fan Cover
- C-Face Footed & Footless Stock Designs Available
- Shaft Slinger Protection
- · Gasket Provided Between Motor Frame & Conduit Box
- Typical Unfiltered Vibration Levels of 0.10 Inches/Second or Less
- IP23 (SD) or IP54 (840) Protection
- Brake Enclosures: NEMA 2 Steel (SD) or NEMA 4 Cast Iron (840)
- Multiple Drain Provisions for Horizontal & Vertical Mounting



Conduit Box

- · Gasketed Cast Iron Construction
- Provision for Grounding
- Terminal Lugs on 280 Frame
- Rotatable (90°C)



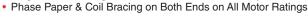
Bearing System

- Regreaseable 280 Frame
- Locked Drive-End Bearing 210 Frame & Larger
- Low Temperature-Rise for Extended Life
- L-10 Life of 150.000 Hours for Direct-Coupled Applications
- L-10 Life of 40,000 Hours for Belted Applications



Insulation System

- · Major Components Made from Class H Rated Materials
- · Low-Loss Electrical Steel
- Class F, Exceeds NEMA MG1 Part 31
- 20:1 Constant Torque & 60:1 Variable Torque
- Voltage Withstand Capability of 2000 V in 0.1 μs
- Large Thermal Margins for Extended Life & Reliability





Testina

• 100% No-Load Commercial Test per IEEE 112 on All Motors









www.toshiba.com/motors