

TOSHIBA

Leading Innovation >>>



3 THREE YEAR WARRANTY

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 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.

Horsepower	¾ to 30 HP
Speed (50 Hz) (60 Hz)	1500, 1000 RPM 1800, 1200 RPM
Voltage (50 Hz) (60 Hz)	190/380 V 230/460 or 575 V
Enclosure	Totally Enclosed Fan Cooled (TEFC)
Frame Size	143T through 286T 143TC through 286TC
Protection	IP55
Construction	Cast Iron
Vibration	0.10 Inches/Second or Less (Unfiltered)
Insulation	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)
Mounting	Rigid Foot & C-Face Mounted (Footed & Footless)

- NEMA Premium® Efficiency
- Inverter-Duty Rated
- Cast Iron Construction
- Suitable for Horizontal & Vertical Applications*
- Normally Stock Models (Foot & C-Face Mounted)
- Various Brake Options Available
- Brake Coil Voltage Matches Motor Nameplate Voltage (Consult Factory for Other Voltages)

*Vertical on 140 & 180 Frames
(Frames 210 & Larger Require Modification for Vertical Mounting)



EQP GLOBAL® SD BRAKE MOTOR

LOW VOLTAGE MOTOR - HOLDING DUTY





BUILT FOR GENERAL HOLDING APPLICATIONS



Nameplate

- Stainless Steel (304)
- Etched Lettering
- 50/60 Hz Data
- Connection Diagram



Construction

- Cast Iron Frame, Conduit Box, & Fan Cover
- C-Face Footed & Footless Stock Designs Available
- Shaft Slinger Protection
- Gasket Provided Between Motor Frame & Conduit Box
- Motor Enclosed Rated IP55
- Brake Enclosures: NEMA 2 Steel IP23
- Multiple Drain Provisions for Horizontal & Vertical Mounting



Conduit Box

- Gasketed Cast Iron Construction
- Provision for Grounding
- Terminal Lugs on 280 Frame
- Rotatable (90°)
- F2 Field Interchangeable



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 Inverter Duty
- 10:1 Constant Torque & 60:1 Variable Torque
- Voltage Withstand Capability of 2000 V in 0.1 μ s
- Large Thermal Margins for Extended Life & Reliability
- Phase Paper & Coil Bracing on Both Ends on All Motor Ratings
- Bi-Directional



Testing

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

