

TOSHIBA

MOTORS, DRIVES & MOTOR CONTROLS

Industrial Highlights



**LOW & MEDIUM
VOLTAGE**

SINGLE SOURCE SOLUTION FOR MOTORS, DRIVES & MOTOR CONTROLS

Toshiba International Corporation is proud to be a single-source solution for our customers, offering a complete product lineup of electric motors, adjustable speed drives, and motor starters for a variety of applications. Many of these products are manufactured at our one million square foot manufacturing facility located in Houston, Texas.

IN-HOUSE SERVICES

- Research & Development
- Engineering
- Manufacturing
- Technical Sales
- Product & Application Support
- Customer Service
- Project Management
- Field Services & Preventive Maintenance
- Product & Field Service Training

SUPERIOR STANDARDS

- Reliability and Up-time
- Lower Lifecycle Costs and Extended Life
- Excellent Performance and Efficiency for Reduced Energy Costs
- Superior Support and Reduced Maintenance Costs
- One Stop Solution – Single Source Supplier of Integrated Motor & Drive Systems

ADJUSTABLE SPEED DRIVES

Toshiba offers award-winning low voltage drives, ranging from fractional to 1500 HP and 230 to 690 V, and medium voltage drives, ranging from 300 to 11,000 HP and 2300 to 6600 V.



PLUS PACK® ASD

- 60 to 1500 HP
- VLP Technology®*
- Load-Balancing Over Multiple Devices
- Outdoor & Indoor Applications (NEMA 3R or NEMA 1)
- Open- & Closed-Loop Speed Control
- User-Friendly Operator Interface
- 6-Pulse, 12-Pulse & 18-Pulse Input Rectifier Designs with Patented Auto-Transformer Technology

* VLP in "VLP Technology®" stands for Vitruvial Linear Pump



AS3® ASD

- 0.5 to 500 HP
- Dual Rating through Parameter Change (Heavy Duty and Normal Duty)
- NEMA 1, IP55/Type 12, NEMA 3R Enclosures Available
- Advanced LCD Keypad with Capacitive Touch Wheel for Navigating and Programming
- Real Time Clock for Past Trip Monitoring or Calendar Functionality
- Advanced Pump Controls
- Built-In Dual Port Ethernet®/IP®

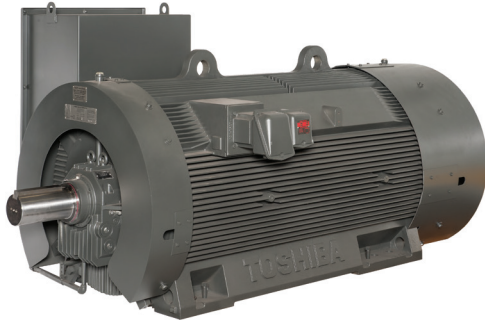


T300MV2® ASD

- 2400, 4160 & 6600 V
- Three Cables In, Three Cables Out
- 24-Pulse Harmonic Cancellation Complies with IEEE-519-2014 Standard
- Higher True Power Factor (>0.96) than Running Motors Across-the-Line
- Advanced Electronics That Reduce Component Count
- Additive Multi-Level Pulse Width Modulation (PWM) Output Voltage with No Neutral Shift
- Small Footprint

MOTORS

Toshiba low voltage motor products range from 1/2 to 1,000 HP and 230 to 575 V. Medium voltage motor products range from 100 to 50,000 HP and 2300 to 13,800 V.



DURA-BULL TX® MOTOR

- 200 to 1250 HP
- Oversized Cast Iron or Fabricated Steel Main Terminal Box Exceeds NEMA MG1 Volume Requirement
- NEMA MG1 Type II Main Terminal Box for 6800
- Space Heater (120 V, 1 Ph, 60 Hz) Wired to an Auxiliary Box
- Bearing RTD Provisions
- Oversized, Same Diameter Bearings on DE & ODE for Extended Bearing Life Offers Easy and Low-Cost Maintenance (Direct Coupled)
- Winding RTDs (100 Ohm Platinum, Two per Phase) for Tri-Mount 5011, 5811, 6811 - Wired to an Auxiliary Box
- Insulated NDE Ball Bearing; IP54 for Tri-Mount 5011, 5811, and 6811 Frames
- Insulated Sleeve Bearings on DE & NDE; IP55 for Tri-Mount 5011, 5811, and 6811 Frames



EQP GLOBAL® MOTOR

SD, 840, 841 Product Lines

- 0.5 to 1,000 HP
- Application Design: Severe Duty, Mill & Chemical, Petrochemical
- Oversized 300 Series Bearings
- Heavy Duty Cast Iron Construction
- 100% Quality Tested
- Insulation with Wide Thermal Capability
- C5-Rated Inter-Lamination Material
- High Torque Output
- Low Vibration
- Class F Insulation; Inverter Duty, Exceeds NEMA MG1 Part 31

INDUSTRIES SERVED

- Oil & Gas
- Mining & Minerals
 - Aggregate & Cement
 - Assembly
 - Food & Beverage
 - Utilities
 - Textiles
 - Pulp & Paper
 - Water & Wastewater
 - Lumber
 - Forestry
 - Mill
 - Chemical
 - Steel



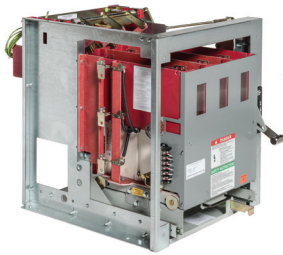
MOTOR CONTROLS

Toshiba is a world leader in motor control technology, producing low and medium voltage control products from 208 to 6600 V.



JKSS SOLID STATE STARTER

- 2300 to 6600 V
- 400 & 720 A
- Streamlined, Space Saving 30" Wide Design (400 A)
- Isolation Switch with Visible Disconnect Includes:
 - Safety Interlock Grounded in Open Position
 - Patented Bolted Pressure Isolation Switch Connections
 - Zero-Insertion Pressure for Increased Life
 - Low Resistance Connection for Decreased Heat Loss
 - Separate Medium & Low Voltage Compartments
- Current Limiting, High Interrupting Power Fuses
- UL® Listed



JK OEM KIT

- 2300 to 7200 V
- 400 A Contactor
- Drawout & Fixed Type
- Compact Design
- JK Bolted Pressure Isolation Switch



TE-H SERIES SOLID STATE STARTER

- 200 to 600 V
- 18 to 1250 A
- Heavy Duty Rated, 500% for 60 Seconds
- Type 12/4 Enclosed
- Fused Switch or Circuit Breaker with Door Operator
- 65 kAIC Interruption Rating
- Surge Arrestors
- Built-In Full Rated Bypass Contactor
- Modbus® RS485 Communications



HCV-7HA VACUUM CONTACTOR

- Medium Voltage: 2300 to 7200 V, 400 A
- UL® Recognized Component



TOSHIBA MOTORS & DRIVES

Adjustable Speed Drives • Motors • Motor Controls

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