

## LOW VOLTAGE MOTORS & DRIVES

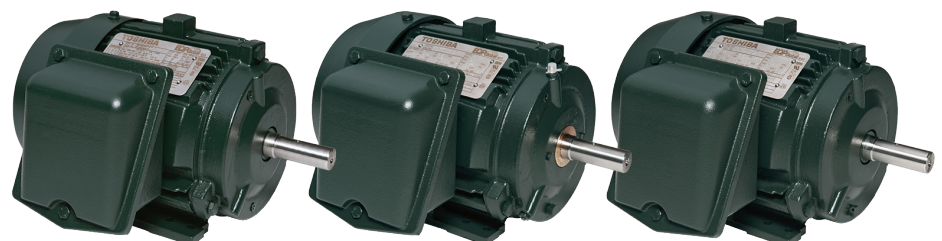
# EXTENDED WARRANTY PROGRAM

At Toshiba, we not only manufacture high-quality motors but also top-notch adjustable speed drives (ASDs) and motor starters. When you purchase an ASD as part of a motor/drive package, we extend the warranty period for the ASD to match our standard motor warranty of three years. This is our way of showing our valued customers that we stand by the quality of our products.

- **Longer Protection Period:** Standard warranties usually last a limited period, often one year. The extended warranty provides coverage for up to three years.
- **Comprehensive Coverage:** The extended warranty covers parts and labor costs for repairs or replacements. If any part of the drive fails, the cost of the replacement part and the labor required to fix it are covered, reducing out-of-pocket expenses significantly.
- **Avoid Unexpected Expenses:** An extended warranty protects you from unplanned repair costs.

## KEY BENEFITS OF AN ASD

ASDs offer optimal motor operation by adjusting the speed and torque to match the load requirement, improving performance and reliability. Compared to motors running at a constant speed regardless of demand, the motor only uses the necessary amount of energy. Avoiding sudden spikes in power usage at the start and running at peak efficiency reduces power consumption, energy costs, and demand charges. In addition, the ASD reduces mechanical wear and tear on the motor caused by starting and stopping across the line, increasing equipment life, and lowering maintenance costs.



## AS3 ADJUSTABLE SPEED DRIVE

Toshiba's AS3 adjustable speed drive is designed for demanding industrial systems. With an emphasis on built-in communications, end-users can access real-time data and refined controls without the expense of a micro PLC, maximizing system efficiency. Advanced features, such as an embedded web server, make the AS3 important for Industry 4.0/IoT (Internet of Things). The AS3 provides the flexibility of working with permanent magnet motors. In addition, multi-PID control allows a greater level of precise control of difficult dynamic systems by controlling booster pumps based on system demand. An easy-to-operate keypad and LCD display simplify navigating the system to find important screens and parameters. The AS3 has a Safety Torque Off capability that quickly shuts the system in the event of an emergency stop, while alarm QR codes provide immediate access to support.

- 200 to 230 V at 0.5 to 75 HP HD (1 to 100 HP ND)
- 380 to 460 V at 0.5 to 450 HP HD (1 to 500 HP ND)
- 500 to 690 V at 2 to 75 HP HD (3 to 100 HP ND)



## SD, 840, 841 GLOBAL SERIES MOTORS



Toshiba's totally enclosed fan-cooled EQP Global® motor series meets the requirements of a wide range of general-purpose industrial applications. The robust design and premium construction exceed most industry standards, extend operating life, and aim to minimize maintenance and downtime. The EQP Global series has a range of enhanced features, including an IP55/IP56 rating that protects against moisture and contaminants entering the enclosure. The heavy-duty cast-iron frame and brackets make it a preferred choice for severe environments. Oversized 300 series bearings on both ends enhance the bearing life and make it suitable for direct couple or belt drive systems. In addition, the low operating temperatures extend the insulation's durability and overall life. Manufactured with a commitment to quality, the EQP Global series delivers exceptional performance and reliability in demanding applications.

- **Horsepower:** 0.5 to 800 HP
- **Speed (60 Hz):** 3600, 1800, 1200, or 900 RPM  
(50 Hz): 3000, 1500, 1000, or 750 RPM
- **Volt (60 Hz):** 230/460, 460, or 575 V  
(50 Hz): 190/380 or 380 V, 143T Through S447T
- **Enclosure:** Totally Enclosed Fan Cooled
- **Frame Size:** 56 through 5811US
- **Construction:** Cast Iron Frame, Bearing Brackets & Conduit Box



Motors • Adjustable Speed Drives • Controls • Industrial Automation

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