TOSHIBA

TOP TEN REASONS TO BUY

EQP Global® Motor Series

LOW VOLTAGE

TOP TEN REASONS TO BUY TOSHIBA EQP GLOBAL® SERIES LOW VOLTAGE MOTORS

1 - OVERSIZED BEARINGS

The majority of motor failures are bearing-related. Toshiba uses over-sized, 300 series bearings on both the drive end and non-drive end. Oversized bearings allow the EQP Global series motors to last up to ten times longer than motors built with smaller bearings.

2 - LOW VIBRATION

EQP Global series motors are precision-balanced to exceed applicable NEMA® vibration limits, which preserves the mechanical integrity of the motor and bearings, extending the life of the motor.

3 - HEAVY DUTY CONSTRUCTION

The EQP Global series has a robust cast iron design to increase stability and to eliminate common mechanical failures. The durable construction includes increased ribbing in the end bells, maximum surface area at connection points, and deep bearing pockets.

4 - 100% QUALITY TEST

Toshiba performs a factory routine test per NEMA MG1 on every single EQP Global motor it manufactures with every such motor going through rigorous quality checks.

5 - INSULATION WITH WIDE THERMAL CAPABILITY

By incorporating Class H insulation materials in its winding designs, the EQP Global series motors have increased thermal protection. Additionally, these motors operate with very low temperature rise at rated conditions, giving them a wide thermal margin and extended motor life. The life of the insulation doubles for every 10 degrees run below the insulation rating.

6 - OPTIMIZED FOR ADJUSTABLE SPEED DRIVE (ASD) USE

When a motor is run on an ASD, its windings need to withstand sharp voltage spikes coming from the ASD. These spikes can cause winding damage to under-protected motors. The EQP Global series motors have the capacity to withstand 2000 V in 0.1 µs spikes, protecting them against harm from ASDs that would cause other motors to fail.

7 - C5-RATED INTER-LAMINATION MATERIAL

The EQP Global series uses C5-rated thermal materials on its stator and rotor laminations that can withstand burnout temperatures over 1000°F. The C5-rated thermal materials provide increased thermal efficiencies and excellent rewind ability characteristics.

8 - PACKAGE DEALS

In addition to manufacturing high quality motors, Toshiba manufactures high quality ASDs and motor starters. If an ASD or starter is purchased as part of a motor/drive or motor/starter package, the warranty period for the ASD/starter is extended to meet the standard motor warranty of three years.

9 - HIGH TORQUE OUTPUT

The EQP Global series motors meet or exceed NEMA Design B torque levels. High torque designs prevent motors from stalling under heavy loaded applications and help prevent electrical problems such as voltage sags.

10 - HIGH QUALITY CONSTRUCTION

The Toshiba brand is known for quality products, and Toshiba has developed a proud tradition of producing some of the most reliable and robust motors on the market. Toshiba is proud of setting new standards for extreme duty performance and durability by offering multiple design enhancements that make its motors one of the lowest cost-of-ownership products in the industry.

TOSHIBA MOTORS & DRIVES
Adjustable Speed Drives • Motors • Motor Controls

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