

## Toshiba Electric Motors

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If you are in the market for an electric motor or adjustable speed drive, HECO can help. And one of the brands that we are a distributor for is Toshiba, an international leader in electric motors and adjustable speed drives known for their innovative technology, reliability, and quality.

## Who is Toshiba?

Toshiba International Corporation (TIC) is a Toshiba America Inc. (TAI) Group Company and is made up of four different divisions: Motors & Drives, Automotive, Power Electronics and Transmission & Distribution. TIC is headquartered in Houston, Texas, and provides solutions for everything from oil and gas utilities to HVAC. The TIC Motor & Drives division has a product line that includes electric motors and adjustable speed drives. In fact, TIC entered the adjustable speed drive market about 40 years ago and the electric motor market about 50 years ago.

## Toshiba Motors

Toshiba makes a wide range of low to medium voltage electric motors. This includes application-specific motors, such as ...

- Cooling tower motors
- Close-coupled pump motors
- TOSH-ECO oil well pumps
- Roller table motors
- ODP dry kiln motors
- Brake motors

- TEFC quarry duty motors
- Drill rig motors

Their product line also includes IEC frame motors and permanent magnet motors. For extremely challenging work environments, Toshiba also offers low voltage EQP Global explosion proof motors and TWEC severe duty motors as well as medium voltage totally enclosed motors, weather protected type I and II open enclosure motors, and open drip proof motors.

## Low Voltage Motors

We've already discussed several of the speciality motors that Toshiba offers, and many of those include low voltage motors. Toshiba also manufactures general purpose low voltage motors, including their EQB Global series that boasts oversized bearings, low vibration, C5-rated inter-lamination materials, and high torque output.

## Medium Voltage Motors

Toshiba's medium voltage motors are tough, reliable, and are able to meet industry demands for motors that contribute to energy conservation. Their medium voltage product line ranges from 100 HP- 50,000 HP and 2300 V - 13,800 V are available in various **motor enclosure options**, such as open drip proof, total enclosed fan-cooled, totally enclosed air cooled, and weather protected type I and II enclosures.

## Custom Toshiba Motors

WEG's product line of hazardous area motors are divided into flameproof, dust ignition proof, increased safety Ex eb, and increased safety Ex ec. These motors are available in low and medium/high voltage models.

## Toshiba Adjustable Speed Drives

Toshiba also manufactures low and medium voltage **adjustable speed drives**. In general, this type of drive may be referred to as VFDs (for variable frequency drives), VSDs (variable speed drives), microdrives, AC drives, adjustable frequency drives, and inverters. The name usually reflects the technology driving it.

Toshiba's low voltage drives include models appropriate for **IIoT (Industrial Internet of Things) and Industry 4.0**, as well as models for heavy duty, **severe duty**, extreme durability, and modular configurations. Toshiba also offers legacy drives, such as the HX7 Low Voltage, nC1 Low Voltage, and H9 Heavy Duty General Purpose adjustable speed drive. There are purpose specific low voltage adjustable speed drives, such as Q9, QX7, and Q9Plus HVAC models. The **medium voltage adjustable speed drive** product offerings range include the T300MV2 standard duty, T300MVi Regen, and MTX Outdoor, as well as the legacy T300MVi standard duty general purpose model.

## **Toshiba Electric Motors, Quality, and Reliability**

Toshiba ensures that the motors they manufacture have high quality, high performance, and high reliability -- all **commitments that HECO shares** when it comes to our repairs and rebuilds. Toshiba takes a total system approach to their motors, adjustable speed drives, and control by having R&D, design, engineering, manufacturing, production, and even after-market service located under one roof.

## **HECO and Toshiba**

In May of 2018, **Toshiba announced** that HECO, Inc. had been added to their nationwide network of distributors. As a result of being part of Toshiba's distribution channel, HECO now **offers the full range of electric motors made by Toshiba**. HECO was chosen because our "emphases on quality and customer satisfaction are well aligned with [their] values at Toshiba and we look forward to a mutually prosperous future."

If you are in the market for an electric motor or adjustable speed drive, contact us here at HECO and allow us to put our relationship with HECO to work for you.