

Electric Motors - TECO Electric Motors Australia and New Zealand

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Electric Motors

Find the ideal electric motor for your application. Our selector tool helps you find the right motor to boost efficiency, reduce energy costs, and enhance performance.

[Low Voltage Electric Motor Selector View More](#) [Medium Voltage Electric Motor Selector View More](#)

Electric Motors

An electric motor is a device that converts electrical energy into mechanical energy, typically through electromagnetic phenomena. The most commonly used motor in industrial applications is the three-phase induction motor. TECO offers motors with a range of phases, voltages, and power options.

A low-voltage motor operates at a rated voltage of less than 1000V, while motors with a voltage of 1000V or higher are classified as high-voltage motors. In industrial settings, AC motors are the preferred choice due to their reliability and cost-effectiveness.

While other motor types, such as servo motors and synchronous motors, are used for specific applications, three-phase electric motors, including the TECO MAXe3, TECO IE2, and TECO Te3 remain essential for industrial operations. Their ability to deliver consistent power and high torque makes them ideal for demanding applications.

TECO's Range of Electric Motors

TECO currently offers a wide range of electric motors, including low-voltage, medium-voltage, and high-voltage models. Our selection includes, but is not limited to:

Low Voltage Motors

The MAXe3 MINING is designed specifically to meet the needs of the mining industry with True IP66 protection and Class H insulation system.

The MAXe3 Premium Severe Duty featuring True IP66 protection, further enhanced by the inclusion of porous drain plugs elevates the motors efficiency and reliability.

TECO's AFJE MAXe3 Mining is a cast iron electric motor designed to meet or surpass the IEC60034 minimum high efficiency performance standard.

TECO's AFJN MAXe3 Mining is a squirrel cage cast iron electric motor designed for the modern industrial world, offering efficiency in a compact design.

The IE3 Flameproof (Exd) is a total enclosed fan motor with an IP56 protection rating— making it suitable for use within hazardous environments.

TECO's IE2 Flameproof (Exd/Exde) is a flameproof electric motor certified with IEC Ex and ATEX, ensuring optimum performance and safety in high-risk applications.

Medium & High Voltage Motors

TECO's Open Drip Proof motor is designed to meet unique customer requirements, making them the go-to choice for industries such as mining, petrochemical, marine, and more.

TECO's Synchronous motors have been engineered to deliver unmatched value- combining proven reliability, low maintenance, and an extended lifespan.

The Squirrel Cage motors have been meticulously designed with precision engineering to ensure outstanding performance efficiency and flexibility across industries such as oil and mining.

The Wound Rotor offers personalised solutions for specific needs, catering to a range of customer demands with exceptional adaptability and effectiveness, meeting the requirements of various mechanical and electrical designs,

TECO's Electric Motors for Hazardous Areas provides a range of high-efficiency electric motors designed to withstand the toughest conditions in rugged environments.

TECO's range of electric motors is part of a broader selection of products, including variable speed drives and other automation equipment. If you need assistance in selecting the right electric motor for your specific application, contact us today or submit an online enquiry.

Electric Motor Applications

Ideal applications for electric motors include:

Medical equipment such as MRI machines, infusion pumps, and diagnostic instruments.

Robotics and automation systems for manufacturing lines and industrial processes.

Food service equipment such as coffee machines, refrigerators, and ovens.

Heating, ventilation, and air conditioning (HVAC) systems within residential, commercial, and industrial settings.

Material handling equipment for use within warehouses and construction sites.

What industries use TECO electric motors?

TECO's electric motors are suited for use across a wide range of industries. Key industries that TECO works with include:

Agriculture

Chemical Manufacturing

Mining

Food & Beverage

HVAC

Oil & Gas

Pharmaceutical

Power & Energy

Pulp & Paper

Quarrying

Water & Wastewater

Can TECO provide custom motor solutions?

Yes, TECO offers in-house modification capabilities through their Mod Shop which is fully authorised to manufacture specific types of hazardous area motors. These custom solutions can be fine-tuned to your specific needs with the goal of delivering optimal performance for your applications.

How do I choose the right electric motor for my application?

Start by determining whether your application requires a low, medium or high voltage motor.

Next, consider your efficiency needs. If energy conservation and lower operational costs are important considerations, opt for a high-efficiency motor.

Now, access your environmental conditions. If your application is within a hazardous environment, you'll need to select a motor designed and certified for such conditions.

Remember to take into account various performance characteristics. If your application demands flexibility in design, the TECO Open Drip Proof motors offer that but if you have space limitations, then the TECO AFJN MAXe3 Mining is a good alternative.

If your needs are unique, explore our in-house modification capabilities for custom solutions.

Need more help? Consider booking a consultation for expert guidance.

Are TECO's electric motors compatible with variable speed drives (VSDs)?

Yes, our range of electric motors are designed to be compatible with VSDs. This combination enables enhanced control over motor speed and torque.

[View All Electric Motors](#)

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[TECO AFJE MAXe3 Mining Add to Cart](#)

[TECO IE3 Flameproof \(Exd\) Add to Cart](#)

[TECO IE2 Flameproof \(Exd/Exde\) Add to Cart](#)

[TECO MAX-Ex \(Exe,ExnA,ExtD\) Add to Cart](#)

[TECO Open Drip Proof \(ODP\) Add to Cart](#)

[TECO AEBH Vertical Hollow Shaft Motor Add to Cart](#)

[TECO Te3 Cast Iron 3 Phase Add to Cart](#)

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Contact TECO for Your Electric Motor Solutions

Looking for an electric motor solution? Browse our website or mobile app to explore models with varying voltages, power ratings, speeds, and torque options suited for a wide range of applications.

For more information, feel free to contact us or email sales@teco.com.au .

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Products

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Variable Speed Drives Solutions

Low Voltage Motors

Medium and High Voltage Electric Motors

Low Voltage Variable Speed Drives

Medium Voltage Drives

Invicta Vibrator Motor

Motor Controls

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<https://electricmotors.teco.com.au/contact-us/> tel:+61297658118

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