

TECO Large Electric Motors and Drives



TECO 

Table of Contents

1. Who we are	03
<hr/>	
2. Large Electric Motors	04
<hr/>	
3. TECO AFJN / AFJP LV & MV Squirrel Cage Electric Motor	06
<hr/>	
4. TECO TEAAC HV Squirrel Cage Electric Motor	08
<hr/>	
5. TECO TEAAC HV Wound Rotor Electric Motor	10
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6. TECO MV Drive MV510	12

Rotating the World Sustainably and Reliably with TECO's Industrial Solutions



Global Experties with Local Support

Operating in over 40 countries across all five continents.



Vast Stock Availability

Largest stock range across Australia & New Zealand.



Local In-House Workshop

Full range of mechanical and electrical modifications ensuring adherence to TECO's stringent QA standards.

Who we are!

TECO is a global leader specialising in manufacturing and distribution of industrial Electric Motors and Variable Speed Drives.

Our extensive product range includes high-quality Low & Medium Voltage Motors from fractional kW to 22,000 kW for supplies up to 13,800 Volts, energy-efficient Variable Speed Drives and reliable automation equipment.

Our commitment to excellence is evident in our longstanding ISO 9001 and ISO 14001 certifications. Furthermore, our recent acquisition of the EPACT Energy Efficiency Certificate solidifies our position as an exemplary player in the global marketplace.

TECO's commitment to technological advancement and sustainable practice has earned a reputation for delivering superior products and exceptional customer service.

With TECO, you can trust in industry-leading performance, reliability, and a commitment to sustainable practices.

Experience Excellence in Large Electric Motors

Discover engineering innovation and reliability in Large Motors with TECO Australia and New Zealand. With over 40 years of unwavering commitment to excellence, we proudly stand as a global leader in the design and manufacturing of Large Electric Motors.

Our extensive range of motors includes:

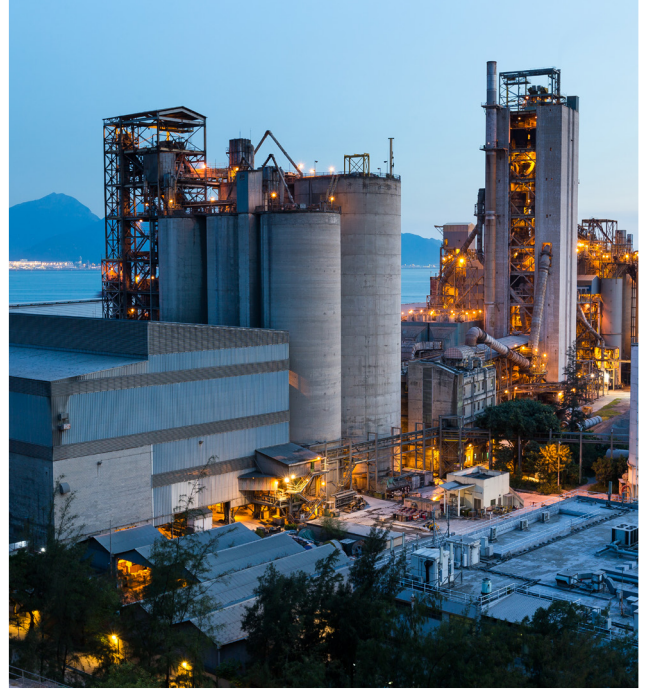
- Squirrel Cage Induction Motors Totally Enclosed Fan Cooled
- Squirrel Cage Induction Motors Totally Enclosed - Air or Water Cooled
- Wound Rotor Induction motor – Air or Water Cooled

Versatility and Customization - Our motors are available in both IEC and NEMA frames. Voltage options range from 415V to 13,8kV offering flexibility for diverse applications including a wide range of 2 pole high speed motor as well slow speed high polarity.

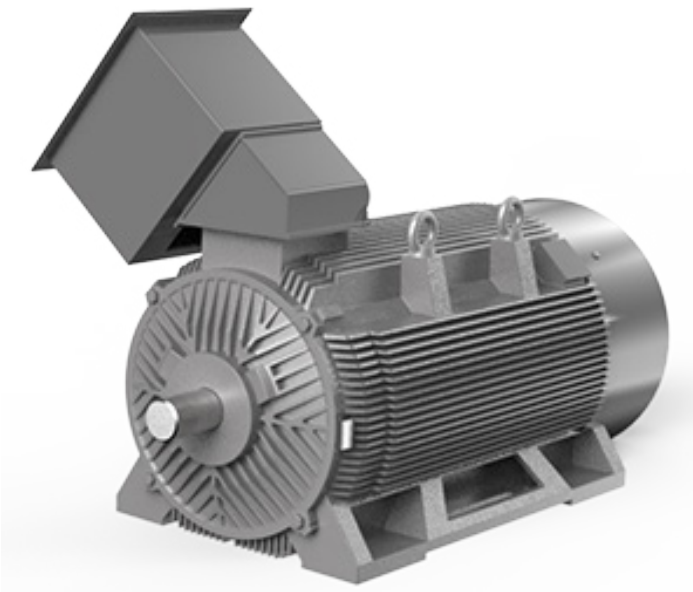
Mounting and Enclosure Options - Choose from a variety of mounting options, including vertical or horizontal, foot and/or flange configurations.

Applications Across Industries - With their versatility and high operating efficiencies, TECO Large Electric Motors are the ideal choice for a wide range of industries, including:

- Oil & Gas
- Hydrogen
- Petrochemical
- Pulp and Paper
- Electric Utility
- Water and Wastewater
- Mining



TECO AFJN/AFJP Squirrel Cage LV & MV Cast Iron Electric Motor



TECO Squirrel Cage Cast Iron Electric Motor is a widely used as essential component in various industrial applications.

Thanks to its simple and robust design, this motor delivers exceptional efficiency, durability, and reliable performance with utmost efficiency.

With an astounding improvement of up to 35% in power density, these motors deliver a substantial increase in power within a remarkably compact size. This breakthrough allows for optimal space utilization and streamlines installation processes.

Through meticulous material optimization, we have achieved a remarkable 20% weight reduction, all while maintaining impeccable structural integrity.

This breakthrough not only enhances efficiency but also drives operational performance to new heights.

By reducing energy waste and optimising power utilization, TECO motors significantly lower operational costs, leading to substantial savings for customer production.

Additionally, our motors feature a carefully optimized thermal system, enabling a reduction in frame size without compromising performance.

This compact design ensures efficient space utilization and allows for seamless integration into various applications.



Features and Benefits

- Totally Enclosed Fan Cooled
- Vertical and horizontal configuration
- Cast iron frame
- Oversized Sleeve or antifriction bearings
- Steel fabricated terminal box
- Bespoke design & drop-in replacement
- Safe & Hazardous Area
- Voltage up to 11,000V

Totally enclosed fan cooled (TEFC) design ensures optimal protection from external elements, enhancing motor longevity and reliability

Versatile vertical and horizontal configuration options provide flexibility for various installation requirements

The robust cast iron frame guarantees durability and strength, ensuring reliable performance even in demanding environments

Choose between sleeve or antifriction bearings, allowing customization based on specific application needs

The steel fabricated terminal box provides a sturdy and secure enclosure for electrical connections, ensuring safety and convenience

Our motors are designed to be bespoke and drop-in replacements, offering seamless integration into existing systems with minimal modifications required

Suitable for both safe and hazardous areas, our motors meet stringent safety standards and provide peace of mind in any operating environment.



TECO Squirrel Cage TEAAC High Voltage Electric Motor



Totally Enclosed, Air to Air Cooled - Steel Fabricated Frame

Designed to deliver unparalleled performance and reliability, TECO Squirrel Cage Electric Motor - TEAAC is poised to revolutionise customer's industrial operations.

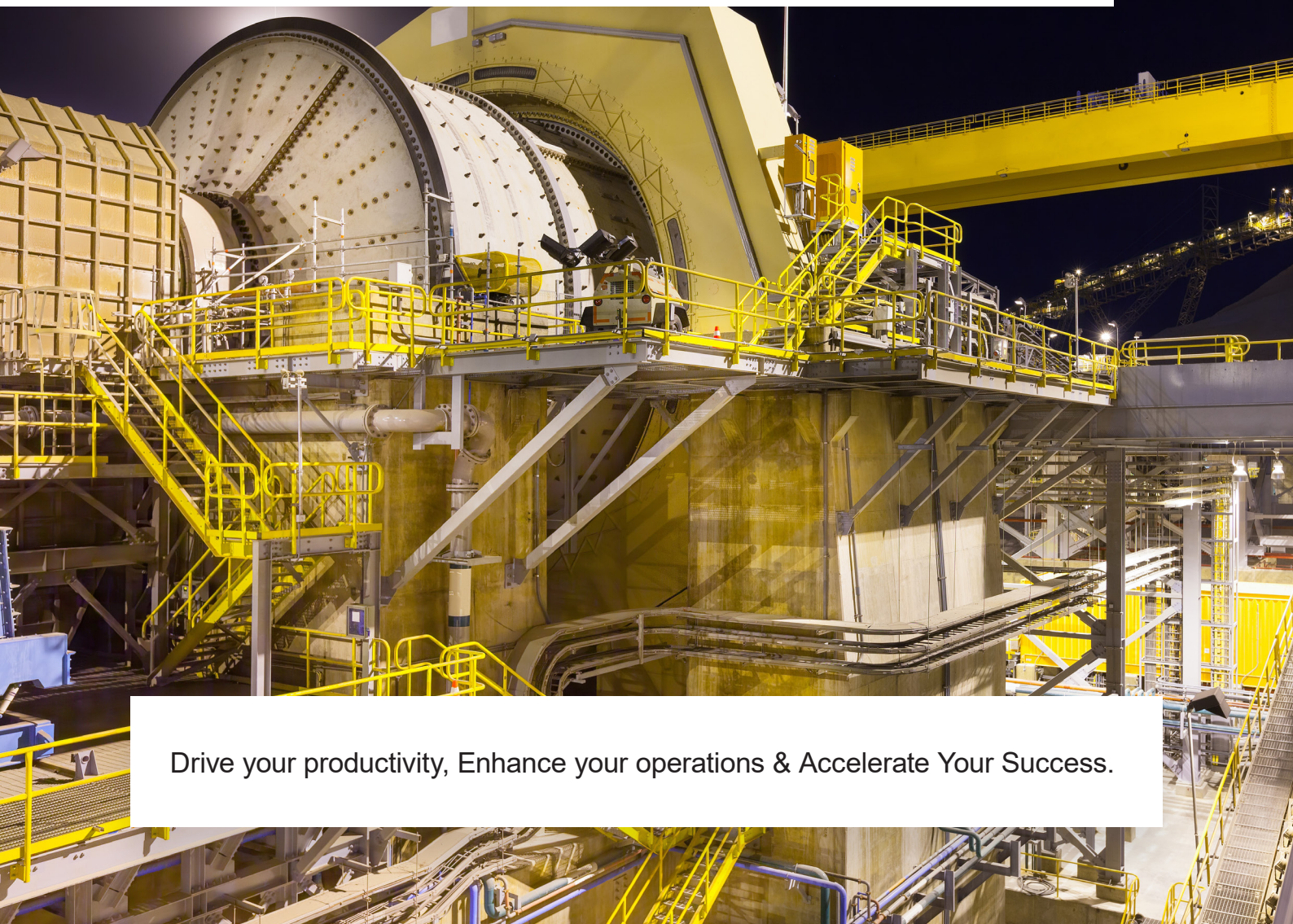
With its features and advanced technology, TECO Squirrel Cage Electric Motor - TEAAC sets new standard in power, efficiency, and durability.

Its robust construction ensure optimal performance and extended lifespan, protecting internal components from dust, dirt, and moisture even in the harshest operating conditions.

No matter the harsh operating conditions, our electric motor design guarantees uninterrupted operation, minimising downtime and maintenance costs.

TECO Squirrel Cage Electric Motor - TEAAC is rigorously tested to meet stringent safety standards, making it suitable for both safe and hazardous areas.

With advanced protective measures, reliable insulation, and robust enclosures, our motor ensures the well-being of your workforce while complying with industry regulations.



Drive your productivity, Enhance your operations & Accelerate Your Success.

- Vertical and horizontal configuration options: providing versatile adaptability to suit specific installation requirements. Our motor integrates into current industrial setup, ensuring a hassle-free installation process.
- Steel Fabricated Frame: guarantees exceptional durability and structural integrity. This robust construction ensures reliable performance even under demanding conditions, providing with a motor that can withstand the rigors of industrial applications.
- Oversized Sleeve or Antifriction Bearings: allowing for enhanced efficiency and reliability. These bearings are designed to handle heavy loads and minimize friction, resulting in smoother operation and reduced energy consumption.
- Bespoke Design & Drop-In Replacements: tailor the motor's dimensions, voltage, and other specifications to meet specific requirements.
- Additionally, our motor is designed as a drop-in replacement for existing installations, minimising downtime and installation costs. Air Cooled/Water Cooled with option for forced ventilation: allowing customers to choose the optimal temperature control method for their application.

kW - 180 220 350 1800 9000 11000

TEAAC



TECO High Voltage Motor

Wound Rotor Induction Motor - TEAAC

Exceptional motors can revolutionise your industrial operations.

TECO Wound Rotor Induction Motor - TEAAC is a game-changer, combining exceptional versatility and power to improve customer industrial operations. Its unique vertical or horizontal configurations simplify the installation process, seamlessly integrating our motors into the current setup, minimising downtime, and boosting productivity from the moment of installation.

With the steel fabricated frame, TECO Wound Rotor Induction Motor - TEAAC guarantees unmatched strength and durability. Engineered to withstand the most demanding operating conditions, this robust construction ensures reliable performance and exceptional heat dissipation, resulting in long-lasting durability and uninterrupted productivity.

Reliability and efficiency are at the core of our motor's design, thanks to the oversized antifriction or sleeve bearings that minimise friction and maximise energy

conservation. The motor's secure and corrosion-resistant steel fabricated terminal box, ensures smooth and safe operation throughout your industrial environment.

TECO Wound Rotor Induction Motor - TEAAC offers bespoke design capabilities, allowing customers to tailor the motor's dimensions, voltage specifications, and other critical aspects to perfectly suit their needs.

It is designed as a drop-in replacement, facilitating integration into your existing setup, minimising installation costs, and operational disruptions.

With voltage capabilities reaching up to 13,800V, our motor's high-powered performance empowers customers to tackle even the most demanding applications with ease.



Wound Rotor Induction Motor - TEAAC

- Fixed or brush lifting options
- Vertical and horizontal configuration
- Steel fabricated frame
- Oversized antifriction or Sleeve bearings
- Steel fabricated terminal box
- Bespoke design & drop-in replacement
- Voltage up to 13,800V
- Air or Water Cooled

kW - 180 220 350 1800 9000 11000
TEAAC Wound Rotor

TECO MV510 Medium Voltage Drive



Designed to revolutionise motor control across diverse industries, the TECO MV510 Medium Voltage Drive is your ultimate solution. With its cutting-edge technology and versatile features, it ensures reliable motor control for a wide range of applications, from Oil & Gas to Utility/Power Generation, and Metals to Mines.

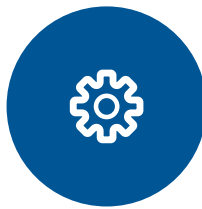
TECO MV510 is designed utilising a multilevel H-Bridge topology that reduces the harmonic levels to extremely low levels. The modular design facilitates ease of installation, commissioning and maintenance.



Simplified Installation

Its modular design enables quick and easy installation, commissioning, and maintenance.

Flexible power cable entries/exits on the top, bottom, or both eliminate the need for field cabling.



Exceptional Serviceability

With a minimal number of spare parts, the modular design ensures hassle-free maintenance. Plus, the universal parts can be utilized in any configuration, regardless of the voltage or power class.



Harmonics Reduction

Our MV510 utilizes a remarkable multilevel H-Bridge topology, resulting in near-sinusoidal wave output. This leads to a significant reduction in motor harmonics and torque pulsation, even at low speeds, with virtually no cable length limitation.



Seamless Compatibility

The ultra-low line-side harmonics produced by the MV510 are fully compatible with both new and existing motor installations. No external filters are required, as our drive exceeds the stringent requirements of the IEEE-519 standard.



Efficiency in Multiple Motor Control

With the MV510, you can control multiple motors with ease. Start multiple motors and seamlessly transfer them synchronously to utility lines and back to the drive, all with a single drive.



Seamless Communication

The MV510 supports the industry-standard communication protocol such as Modbus, Profinet and Ethernet, allowing seamless integration with various SCADA or DCS systems.

Why Choose TECO Australia and New Zealand



Extensive Product Range

Our diverse and extensive product portfolio caters to various applications and industries, ensuring that customers can find the right solution to meet their specific requirements.



TECO App

Available for smartphones and tablets, TECO App enables you to have a real-time access to our huge selection of motors and drives anytime, anywhere.



Large Stock Availability

At TECO Australia and New Zealand, we maintain a vast stock of motors and drives, ready to go. Our extensive inventory ensures quick delivery, minimizing downtime and ensuring that our customers have access to the products they need when they



In-House Modification Service

TECO goes beyond offering off-the-shelf solutions. Our In-House modification services allow us to customize products according to customer





TECO Group

TECO is dedicated to propelling Energy Conservation, Emissions Reduction, Intelligence & Automation, empowering our valued customers and partners to attain operational excellence, while fostering a greener, smarter, and sustainable future. By providing cutting-edge solutions and services for Operational Excellence, Energy Efficiency & Environmental Sustainability, we strive to be your preferred partner on the path to success.

Member of Dow Jones
Sustainability Indices

Sustainability Yearbook
Member 2022 S&P Global

Won the Climate
Leadership Award in 2022

Ranked among the top 5% in
the Corporate - Governance
Evaluation

TECO Australia and New Zealand

Rotating the World Sustainably and Reliably with TECO's Industrial Solutions.

TECO is a global leader of innovative electrical solutions, catering to commercial and industrial sectors. With a strong presence in the region, TECO Australia and New Zealand specialises in the manufacturing and distribution of industrial electric motors and drives. Our extensive product range includes high-quality Low, Medium & High Voltage motors for various applications, energy-efficient variable frequency drives, and reliable automation components. By prioritizing technological advancement and sustainable practices, TECO Australia and New Zealand has built a reputation for delivering superior products and providing exceptional customer service. As a trusted partner, TECO continues to drive growth and efficiency in the electrical industry.



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