

Variable Speed Drives - TECO Electric Motors Australia and New Zealand

Canonical: <https://electricmotors.teco.com.au/product-category/low-voltage-variable-speed-drives/>

Details:

Rotating the World Sustainably & Reliably with TECO's Solutions TECO Oceania TECO Home Appliances TECO Energy Solutions About Us Case Studies Articles Spare Part Enquiries Distributor Log in CONTACT US 0 Cart

Variable Speed Drives

Industry Industry

Application Application

Product Energy Efficiency Product Energy Efficiency

Built in Bypass Built in Bypass

kW kW

Voltage Voltage

IP Rating IP Rating

Duty Rating Duty Rating

Constant Torque (kW/A) Constant Torque (kW/A)

Variable Torque (kW/A) Variable Torque (kW/A)

Phases Phases

Poles Poles

Supply Voltage Supply Voltage

Current Rating (Amps) Current Rating (Amps)

Filter Cards List

Image

Model

kW

Constant Torque (kW/A)

Variable Torque (kW/A)

IP Rating

Advanced Current Vector Control A510s 380-480V 3 Ph - 0.75-45kW (IP20) 55-315kW (IP00 / IP20 Optional) & 660-720V 3Ph – 11-55kW (IP20) 75-200kW (IP00 / IP20 Optional) VIEW MORE Advanced Current Vector Control A510s 1.5, 2.2, 3.7, 5.5, 7.5, 11, 15, 18.5, 22, 75, 90, 110, 132, 160, 200, 220, 280, 315 0.75, 1.5, 2.2, 3.7, 5.5, 7.5, 11.0, 15, 18.5, 22, 75, 90, 110, 132, 160, 200, 220, 280, 315 1.5, 2.2, 3.7, 5.5, 7.5, 11.0, 15, 18.5, 22, 30, 90, 110, 132, 160, 185, 220, 280, 315 00, 20 Next Gen Compact Current Vector Control E710 200-240V 1Ph / 3Ph – 0.37-2.2kW (IP20) & 380-480V 3 Ph - 0.75-7.5kW (IP20) VIEW MORE Next Gen Compact Current Vector Control E710 0.37, 0.75, 1.5, 2.2, 3.7, 5.5, 7.5 0.37, 0.75, 0.75, 1.5, 1.5, 2.2, 2.2, 3.7, 5.5, 7.5 — 20 General Current Vector Control E510s 200-240V 1Ph / 3Ph – 0.37-2.2kW (IP20 / IP66) & 380-480V 3 Ph - 0.75-55kW (IP20)

0.75-11kW (IP66) VIEW MORE General Current Vector Control E510s 0.75, 1.5, 2.2, 4, 5.5, 7.5, 11, 15, 18.5 22 0.4, 0.75, 0.75, 1.5, 1.5, 2.2, 2.2, 4, 5.5, 7.5, 11.0, 15, 18.5 20, 66 Advanced Pump and Fan Control F510 380-480V 3 Ph - 0.75-45kW (IP55) 55-600kW (IP00 / IP20 Optional) VIEW MORE Advanced Pump and Fan Control F510 1.5, 2.2, 5.5, 7.5, 11, 15, 18.5, 22, 90, 110, 132, 160, 185, 220, 280, 315, 400, 500 — 0.75, 1.5, 2.2, 4, 5.5, 7.5, 11.0, 15, 18.5, 22, 90, 110, 132, 160, 185, 220, 280, 315, 400, 500 00, 55 Compact Basic Vector Control L510s 200-240V 1Ph / 3Ph – 0.2-2.2kW (IP20) & 380-480V 3 Ph - 0.75-2.2kW (IP20) VIEW MORE Compact Basic Vector Control L510s 0.2, 0.37, 0.75, 1.5, 2.2 1.5 — 20

Low Voltage Variable Speed Drives

At its core, a variable speed drive (VSD) is designed to let you adjust the speed and torque of an electric motor by varying it's frequency and voltage. VSD's in the low-voltage range, are usually rated 240V / 415V / 690V / 1000V.

Such flexibility opens up a lot of options. You can slow processes down to reduce wear and tear, ramp things up when output demands it, or control acceleration and deceleration to protect mechanical components or items in a production line. In industries where uptime matters, a VSD that's set up right can mean fewer unexpected failures, smoother production, and lower power bills.

Unsure about whether a low-voltage VSD fits the needs of your application or industry? Reach out to our team today for more information on our VSD solutions and how they can help you meet your application requirements.

TECO's Catalogue of Low Voltage Variable Speed Drives

Currently, we stock an extensive range of low-voltage VSD's that are ready for immediate delivery. Our range includes:

TECO A510s 3 Phase IP00

TECO A510s 3 Phase IP20

TECO E510s 3 Phase IP66

TECO E510s 3 Phase IP20

TECO E510s Single Phase IP66

TECO E510 Single Phase IP20

TECO L510s 3 Phase IP20

TECO L510s Single Phase IP20

TECO F510 3 Phase IP00

TECO F510 3 Phase IP55

Each low-voltage VSD has its specific place depending on the required control functions and physical design, where it's going, what motor it's driving, and what environmental conditions it'll face. Likewise, each VSD is also designed to complement our broader catalogue of products, including drives and automation equipment , soft starters , and more.

If you need help selecting the right low-voltage VSD for your application or industry needs, contact us or send us an enquiry via email at Marketing@teco.com.au .

Low Voltage Variable Speed Drives: Industries & Applications

Low-voltage VSDs are used in just about every industry, including:

Manufacturing and processing plants that run conveyors, mixers, feeders, and extrusion equipment.

HVAC systems to adjust fan speeds in ventilation and air conditioning setups.

Water and wastewater facilities to control pumps for efficiency and flow stability.

Mining and quarries that operate crushers, conveyors, and dewatering pumps.

Food and beverage operations that need to maintain steady production speeds with flexibility for different products and safety standards.

Agricultural operations to power irrigation pumps and feed systems.

The common thread? Anywhere you need reliable motor control with efficiency in mind, a low-voltage VSD can usually be configured to do the job.

How to Select a Low Voltage Variable Speed Drive?

Selecting the right low-voltage VSD involves more than just picking the one with the right voltage. Several other key considerations need to be considered.

First, match the VSD to the motor's rated current and not just on kW rating alone.

Second, determine whether the application load is constant torque, like a conveyor or variable torque, like a centrifugal pump or fan.

Third, consider environmental factors like temperature, humidity, vibration, and what ingress protection rating is required, with IP20 these are suitable for installation in cabinets located in clean control rooms and IP55 or IP66 for dusty, wet, or outdoor locations.

Fourth, decide if you need basic start/stop and speed control or advanced functions such as PID control for process systems and which communication protocols are required.

Fifth, consider what type of motor will be required, to ensure the correct type of VSD is chosen.

Need more information? Consider booking a one-on-one consultation with our expert team for a personalised solution.

Contact TECO for Your Low Voltage Variable Speed Drive Solutions

Looking for a specific low-voltage VSD? Browse our range on our website or mobile application for more information about the VSDs we have available.

For further assistance, do not hesitate to contact us or email Marketing@teco.com.au.

Book a Consultation Have questions or need assistance? Reach out to us through the contact form, and we'll be happy to assist you.

© Copyright 2025 TECO Pty Ltd

Products

Electric Motors

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

IoT - MHM and Smart Motor

Soft Starters

Sitemap

Customer Service

Frequently Asked Questions

[Online Enquiry](#)

[Sales T&C](#)

[Privacy Policy](#)

[Teco](#)

[Our Story](#)

[Contact us](#)

[Sustainability](#)

[News](#)

[Technical Articles](#)

[Glossary](#)

[Mobile App](#)

[Modshop](#)

[Social](#)

[LinkedIn](#)

[Youtube](#)

<https://electricmotors.teco.com.au/wp-content/uploads/sites/53/2026/05/ISO9001-Intertek-SAI-Global-Certificate-QEC3088-Expiry-25-May-2029.pdf> <https://electricmotors.teco.com.au/wp-content/uploads/sites/53/2026/08/ISO45001-Intertek-SAI-Global-Certificate-0185118-Expiry-22-August-2027.pdf> Enquire Now Selectors Preferred Service Center Enquire Now Selectors Preferred Service Center

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

+61 297 658 118

[Enquire Now](#)

[LinkedIn](#)

[YouTube](#)

[Notifications](#)

[Skip to content](#)