

TECO Synchronous - TECO Electric Motors Australia and New Zealand

Canonical: <https://electricmotors.teco.com.au/product/synchronous/>

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TECO Synchronous

Unmatched Performance, Reliability, and Efficiency for Industrial Applications

TECO Synchronous Electric Motors are engineered to deliver unmatched value, combining proven reliability, low maintenance, and an extended lifespan across various applications.

Key Features for Optimal Performance:

Constant-speed Operation: Experience consistent and reliable performance.

High Efficiency Ratings: Maximize energy utilization for superior efficiency.

Low Inrush Currents: Enhance operational efficiency while reducing strain.

Leading & Lagging Power Factor: Corrective KVA capability for exceptional power efficiency.

TECO Westinghouse patented Thermalastic™ Insulation System for all High Voltage designs , superior form wound winding design.

Revolutionizing Power Factor Improvement:

TECO Synchronous Electric Motors stand out in improving power factors, operating at leading power factors with rated power factors ranging from unity to leading. This feature translates into substantial savings by offsetting lagging power caused by other inductive loads.

Tailored Solutions for Every Application:

TECO Synchronous Motors are customized to meet the unique needs of each application. With distinctive features, high operating efficiencies, and adaptability to diverse environments, they are the go-to choose for industries such as pulp and paper processing, electric utility, marine, water and wastewater treatment, chemical and petrochemical, steel, mining, cement, milling & grinding and air separation.

Versatility in Applications:

TECO Synchronous Electric Motors find their place in diverse applications, from rolling mills to ball and sag mills, chippers, mixers, pulp refiners, pumps, fans, and compressor drives (reciprocating and centrifugal). Equipped with adjustable frequency drives (PWM, LCI, and Cyclo-converter) or soft starters, they ensure precise speed regulation.

Embracing Innovation with Variable Speed Synchronous Motors:

In the era of advanced adjustable frequency drive technology, our variable speed synchronous motors offer a logical choice for applications demanding high torque at low speed within a broad speed range. Synchronous machines can be found wherever there is a demand for highly efficient, cost-effective, dependable machines. They are frequently used for rolling, ball and sag mills, chippers, mixers, pulp refiners, pumps, fans, and compressor (reciprocating and centrifugal) drives. They can be furnished with adjustable frequency drives (PWM, LCI, and Cyclo-converter) or soft starters for speed regulation.

With all of the advancements made in adjustable frequency drive technology, the variable speed synchronous motor is a logical choice for applications requiring high torque at low speed with a high-speed range.

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TECO Synchronous Machines are customized to the specific requirements of each application. Because of their unique features, high operating efficiencies, and adaptability to all working environments, synchronous motors and generators are the logical choice for a multitude of industries. These include pulp and paper processing, electric utility, marine, water and wastewater treatment, chemical and petrochemical, steel, mining, cement, and air separation. Synchronous machines can be found wherever there is a demand for highly efficient, cost-effective, dependable machines. They are frequently used for rolling, ball and sag mills, chippers, mixers, pulp refiners, pumps, fans, and compressor (reprocatating and centrifical) drives.

They can be furnished with adjustable frequency drives (PWM, LCI, and Cyclo-converter) or soft starters for speed regulation.

With all of the advancements made in adjustable frequency drive technology, the variable speed synchronous motor is a logical choice for applications requiring high torque at low speed with a high-speed range.

Proven reliability for extended lifespan.

Low maintenance performance.

Less mechanical equipment needed for the reduced slow speed application.

Superior value for various industrial drive applications.

Unmatched efficiency and cost-effectiveness.

Innovation with advanced adjustable frequency drive technology.

Reverse Engineering available to replicate other brands installed in specific applications combined with modern day designs to further enhance performance of the installation.

TECO Large Motors and Drives Brochure

Teco-Manual-REV07

Application

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Benefits

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