

Electric Motors & Drives for Agriculture - TECO Electric Motors Australia and New Zealand

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Agriculture

Enhancing Agricultural Efficiency with TECO Electric Motors & Drives

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TECO Electric Motors and Variable Speed Drives redefine efficiency in the agricultural landscape, providing customised solutions to enhance operations. Whether it's rain or shine, day or night, hot or cold, reliable equipment makes a crucial difference for farmers, equipment suppliers and operators.

TECO offers a comprehensive solution, including single-phase and three-phase motors, variable speed drives, soft starter motors, and controls. Our equipment is designed using our extensive experience and close relationships with customers in Australia and New Zealand.

Precision Irrigation with TECO Motors Seamless Operation with TECO Conveyor Systems Ventilation Excellence with TECO Solutions Tackling Pumping Challenges with TECO

In the world of precision farming, inconsistent water distribution and high energy consumption are the main challenges. Traditional irrigation systems often lead to uneven water distribution, impacting crop growth and yields. Additionally, the associated high energy consumption of some systems will contribute to escalating operational costs.

TECO Electric Motors optimise irrigation systems by providing precision control, ensuring consistent and efficient water distribution. The result is not only minimized water waste but also a significant reduction in energy consumption, leading to sustainable and cost-effective farming practices. TECO Variable Speed Drives offer precise control over pump speeds and operation. This dynamic control allows farmers to adapt to varying water demands, further enhancing energy efficiency, and overall system responsiveness. TECO also offers customers a range of Machine Health Monitoring devices that can be attached directly to a motor and used manually right through to online, Bluetooth or 4G/5G centrally monitored systems designed to alert maintenance staff when an issue first appears. Critical failures and downtime are predicted and maintenance staff can focus on situations before they escalate.

Efficient material flow is the backbone of any agricultural operation, and interruptions in conveyor systems can significantly impact productivity. Conveyor downtime and inefficient material handling are common pain points when using traditional systems.

TECO Electric Motors power conveyor systems with a focus on uninterrupted operation. By reducing downtime and enhancing material handling efficiency, our electric motors ensure a seamless flow of materials throughout process. This translates to increased overall productivity and streamlined operations. TECO Variable Speed Drives offer precise control over conveyor speeds. This not only optimises material handling but also allows for energy savings and even shut down during periods of

lower demand, contributing to the overall efficiency of plant and equipment. Remote starting, operation, shut down and monitoring are all facilitated through advanced TECO Drives.

Maintaining optimal climate conditions is crucial for crop quality, livestock health as well as safe produce storage, yet inadequate ventilation and temperature fluctuations pose significant challenges. Traditional systems may fall short in providing the necessary control over these factors.

TECO Variable Speed Drives enable farmers to have exact control over ventilation systems, ensuring consistent and optimal conditions. This not only improves quality but also minimises energy costs, making agriculture more sustainable and your business safer and more profitable.

Large-scale pumping stations play a pivotal role in agriculture, but they often face challenges related to high energy consumption and overall system inefficiencies. Traditional pump processes will contribute to substantial energy costs and can be prone to operational challenges.

TECO's Energy-Efficient Electric Motors are specifically engineered to address these challenges. By combining high efficiency TECO Motors and TECO Drives to power large-scale pumping stations, our customers reduce energy consumption significantly, reduce maintenance costs and improve pump life. TECO can assist with a sustainable and reliable solution for agricultural water management.

Efficiency in Grain Handling with TECO In the complicated and sometimes dangerous world of grain handling, inefficiencies and equipment wear are significant pain points. Traditional systems may lead to losses and premature wear and tear, the potential for ignition of dust and valuable product and reduce profitability.

TECO Electric Motors and Variable Speed Drives can optimise grain handling systems. By minimizing inefficiencies and reducing equipment wear, our solutions enhance the overall efficiency of grain handling processes. TECO Australia & New Zealand offer a full range of dust and fume rated motors and produce locally product rated to be used in explosive areas. Combining these reliable and efficient products with TECO Drives will not only increase productivity but also minimizes losses and maintenance requirements, ensuring a more profitable operation.

Agricultural Processing Excellence with TECO

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Powering Large-Scale Farming Operations with TECO

Large-scale farming operations face challenges related to high energy and maintenance costs and environmental impacts. Traditional systems may contribute to elevated expenses and a growing concern for the environmental footprint of agriculture.

TECO Electric Motors and Variable Speed Drives offer a sustainable solution. By providing energy-efficient, environmentally more friendly options. Wide scale asset remote monitoring allows maintenance operations to be focused where needed most, when issues arise so TECO solutions empower large-scale farming operations to reduce costs and minimize environmental impact.

Agricultural Solutions for you TECO Emotron Soft Starter Robust metal enclosure Power range 4kW to 1.6MW, 200-690V,3ph Solid state 3-phase control type softstarter with heavy duty nominal rating Torque control start and stop modes for minimized start currents VIEW MORE TECO MaxAlloy Single Phase Reliable and Versatile Metric Frame Motors: Power, Efficiency, and Durability for Industrial Applications, IP55 Protection TECO MaxAlloy Single Phase Electric Motor is designed to meet the rigorous standards set by VIEW MORE TECO Single Phase Steel Frame – BEGY IP44 Protection |

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