TECO
together, we empower the Future

TECO ELECTRIC MOTORS AND VARIABLE SPEED DRIVES DRIVING EFFICIENCY IN HVAC APPLICATIONS

Powering Performance, Maximising Efficiency

For over 50 years, TECO Electric Motors has been a global leader in motor technology, delivering high-performance, energy-efficient solutions across industries. Trusted by HVAC professionals worldwide, our motors power critical applications with reliability, durability, and cost-effectiveness.

In HVAC, precision and efficiency matter. That's why TECO's MAXe3 high-efficiency motor is the ideal choice for fans, pumps, and air handling systems—offering superior performance while helping you reduce energy consumption and operational costs.

- Maximise HVAC Efficiency: The MAXe3 Premium Severe Duty motor exceeds IE3 efficiency standards, reducing energy consumption in fans and pumps.
- Equipped with a Class F insulation system and superior inverter-rated insulation (6500V/μs), it ensures safe and efficient operation.
- The motor's precision cast iron construction guarantees durability and reliability in demanding HVAC environments.
- Its IP66 protection with porous drain plugs offers enhanced resistance against dust and water ingress, ensuring longevity.
- Built to Keep Your HVAC System Running – 24/7: Designed for continuous operation, the MAXe3 motor ensures uninterrupted ventilation and climate control.
- Features a temperature rise less than Class E (≤75°C), enhancing performance and extending motor life.
- The renowned grease relief system by TECO ensures optimal lubrication, reducing maintenance needs.
- Easy Upgrade, Instant Savings: The MAXe3 motor serves as a direct drop-in replacement, requiring no complex rewiring or system overhauls.
- Fully compatible with most existing HVAC control systems and Variable Speed Drives (VSDs), it offers seamless integration.
- With a service factor of 1.15 at 40°C ambient temperature, it operates reliably even under demanding conditions.



Perfect for HVAC Applications:

- Fans & Blowers – Achieve precise airflow control while reducing energy use.
- Pumps – Improve water circulation efficiency with variable speed drive compatibility.
- Air Handling Units – Ensure optimal ventilation with smooth, reliable performance.

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HIGH-EFFICIENCY MOTORS & DRIVES FOR FANS AND PUMPS



TECO MAXe3 Premium Severe Duty Motor

- High Efficiency Motor - IE3 Efficiency Standard
- True IP66 with porous drain plugs
- Class F insulation system rated @155˚C
- Superior inverter-rated insulation (6500V/microsecond)
- Precision and rugged cast iron construction
- Typical temperature rises less than Class E (≤75˚C)
- 1.15 service factor @ 40˚C ambient
- Suitable for 55˚C ambient at rated output
- TECO renowned grease relief purging system
- 1 Set of Thermistors for frames D160 and larger
- IECEX Ex e, Ex nA, Ex tD ready (to order)
- TECO Blue paint finish
- Mountings available – Foot, Foot and D Flange, D Flange, Foot and C Face (up to 132 frame), C Face (up to 132 frame).



TECO F510 Variable Speed Drives

- Advanced Network functions for Building Automation
- Automatic Energy Saving Function
- Ultra Low Motor Noise using Soft PWM Technology
- Fire Override Mode
- Pump Cascade Control Card for up to 8 Pumps
- Built-In Multi Pump Control Mode
- Blockage Detection, Sleep Mode
- Dry Pump Protection
- Alphanumeric LCD Keypad Standard
- LCD Keypad Standard
- RTC Function / Simple PLC / PTC Motor temperature detector input
- Built-In Filter up to and including 45kW thereafter available with optional external filter
- 0.75kW to 600kW output range