

F510

FEATURES



MODEL: F510 FAN AND PUMP AC DRIVE

DESCRIPTION: A versatile AC Drive that is easily configured and handles almost any fan, blower or centrifugal pump application.



Effective 02-09-23
Supercedes All Previous

APPLICATIONS

- Fans
- Blowers
- Water and Wastewater Industries
- Centrifugal Pumps
- HVAC Industries
- Irrigation

FEATURES

- Control Modes for V/F, Sensorless Vector
- Application Macros for Quick Start-up. Macros Available for: Fans, Pumps, HVAC
- Built-in PLC as Standard
- LCD Keypad
- PID Control with advanced diagnostics and sleep mode
- 1 to 150HP (Variable Torque), 230V, 50/60Hz, 3-Phase
- 1 to 250HP (Variable Torque), 460V, 50/60Hz, 3-Phase
- Conformal Coating on PC Boards
- Diagnostics Registers for Troubleshooting
- Flexible Input/ Output Configurations that Incorporate Normally Open or Normally Closed Signals
- 0 to 400Hz Speed Range
- Built-in RS485 Communications (Modbus, BACNet and Metasys are Standard Protocols)
- Enhanced Design for Smoother and Quieter Motor Operation
- Pulse Output and Pulse Follower
- PTC Input Available for Direct Thermal Protection of the Motor
- Thermal Management on the Heat Sink for Overtemperature Fault Avoidance
- Select Between Closed Loop Speed and Torque Control in Vector Mode
- Built-in Brake Transistor on Models F510-2005-C3 thru F510-2030-C3 also F510-4005-C3 thru F510-4040-C3
- Built-in DC Link Reactor on Models F510-2060-C3 thru F510-2150-C3 also F510-4100-C3 thru F510-4250-C3
- cUL and CE Approved