

# F510

## Fan & Pump



EFFECTIVE: 11-17-14  
EXPIRES: UFN

**A versatile AC Drive that is easily configures and handle almost any fan, blower, or centrifugal pump application.**

### APPLICATIONS:

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

### FEATURES:

- Control Modes for V/F, Sensorless Vector, Sensorless Vector with permanent Magnet Motor
- Application Macros for Quick Start Up: Macros Available for: Fans, Pumps , HVAC
- Built-in PLC as Standard
- Operation and Engineering units standard
- LCD Keypad with Remote Mounting Capabilities
- PID Control with advanced diagnostics and sleep mode
- 5 to 150 HP (Variable Torque), 230V, 50/ 60Hz, 3-Phase
- 5 to 250 HP (Variable Torque), 460V, 50/ 60Hz, 3-Phase
- Plenum rated
- Diagnostics Registers for Troubleshooting
- Flexible Input/ Output Configurations that Incorporate Normally Open or Normally Closed Signals
- 0 to 400 Hz Speed Range
- Built-in Modbus, BACNet, and Metasys protocols via (RS485 or RJ45 interface)
- Enhanced Design for Smoother and Quieter Motor Operation
- Real Time Clock ( Standard on models with LCD keypad )
- PTC Input available for direct thermal protection of the motor
- Thermal Management on the Heat Sink for Overtemperature Fault Avoidance
- Master-Follower control mode built-in
- UL, cUL, and CE Approved
- EMI Protection that complies with EM61800-3 with optional filter
- EMS Protection that follows EN61800-3