

# A510

## FEATURES



**MODEL:** A510 HEAVY DUTY AC DRIVE



**DESCRIPTION:** A versatile AC Drive that can control today's demanding motor driven applications. This highly flexible drive has multiple control modes and a built-in PLC.

Effective 02-09-23  
Supercedes All Previous

### APPLICATIONS

- Mixing
- Machine Tools
- Pumps (Centrifugal, Positive Displacement, Metering, etc.)
- Conveyors
- Fans
- Extrusion and Injection Molding
- Packaging Machines
- Compressors
- Winders / Unwinders
- Crushers / Grinders
- Crane / Hoist / Elevator

### FEATURES

- Control Modes for V/F, V/F with PG Feedback, Sensorless Vector, and Closed Loop Vector
- Simple PLC Function Built-in
- Advanced Regenerative Load Handling Capability
- 1 to 100HP (CT), 230V, 50/60Hz, 3-Phase
- 1 to 200HP (CT), 460V, 50/60Hz, 3-Phase
- 1 to 200HP (CT) 575V, 50/60Hz, 3-Phase
- 15 to 250HP (CT) 690V, 50/60Hz, 3-Phase
- Conformal Coating on PC Boards
- LCD Keypad That Can Be Remotely Mountable
- Flexible Input/Output Configurations That Accept Normally Open or Normally Closed Signals
- 0 to 400Hz Speed Range
- PID Control
- Diagnostics Registers for Troubleshooting
- Built-in RS485 Communications (Modbus)
- Enhanced Design for Smoother and Quieter Motor Operation
- Pulse Output and Pulse Follower
- Select Between Closed Loop Speed and Torque Control in Vector Mode
- Built-in Brake Transistor on Models (A510-2001-C thru A510-2025-C3), (A510-4001-C3 thru A510-4040-C3) and (A510-5001-C3 thru A510-6040-C3)
- Built-in DC Link Reactor on Models (A510-2050-C3 thru A510-2100-C3), (A510-4075-C3 thru A510-4215-C3) and (A510-6100-C3 thru A510-6250-C3)
- cUL and CE Approved