

**MULTIPLE DUTY**Effective 06-14-15  
Supercedes 05-01-13

**A rugged and versatile drive with a wide range of ratings  
ideal for both simpler and more demanding applications.**

**APPLICATIONS:**

- Crushers, Grinders
- Compressors
- Reciprocating Machinery
- Dynamometers
- Water and Wastewater Industries
- Injection Molding
- Centrifugal Pumps
- Positive Displacement Pumps
- High Torque Mixing
- Material Handling
- Extruders
- Chillers and Refrigeration
- Fans

**FEATURES:**

- Designed for Constant/ Variable Torque Applications
- V/ F, Dynamic Torque, Sensorless and Sensor (Encoder Feedback) Vector mode
- Backlit LCD/ English Language with LED Monitor Display/ Selections for 6 Languages
- Keypad May be Used as Copy Unit/ Remote Mounting Options
- Extensive Diagnostic Information on LCD Display
- State-of-the-Art Torque Limit and Control Features
- PID Control with Sleep Mode Function
- Provided with Low-Noise Control Power Supply
- 1 to 125 HP @ 230V (Constant Torque)
- 1 to 900 HP @ 460V (Constant Torque)
- 1 to 150 HP @ 230V (Variable Torque)
- 1 to 1000 HP @ 460V (Variable Torque)
- Extensive I/O Capabilities
- Encoder Feedback Option for Applications Requiring Precise Speed Control
- Conformal Coating on PC Boards, Tin Plating on DC Bus
- External Mounting of Heatsink when Installed in Control Panels (>40 HP); Option Kit Available (<=40 HP)
- All Units are IP20 at 40 HP and below and IP00 at ratings >40 HP (NEMA 1 Option Kits Available)
- Built-in RS485 Protocol (Modbus)/ Optional Profibus-DP, DeviceNet, EtherNet, BACnet, Metasys
- DC Link Chokes Included in 100 HP and Above HP Units Shipped Loose as Chassis Item Inside Crate
- uL, cUL and CE Approved