

## **E-SERIES VECTOR DRIVE KEY FEATURE PRESENTATION**

- Innovative design allows for horizontal or vertical mounting, (1 through 30HP)
- Solid all metal frame
- NEMA 1 & 12 options available
- 3 year warranty
- Drive is UL, cUL, CE, 50° ambient rated
- Built in reactor and filtering
- Built in DB electronics; 1 – 15HP, optional for larger HP's
- Detachable, remote mountable key-pad, NEMA 12 rated
- Extensive drive and motor protective circuitry is provided
- Speedy swap out of drive:
  - Control terminations are plug-in
  - Replacement drive can be exactly cloned via PC upload/download of configuration parameters
- Extensive, configurable multifunction I/O
  - 2 x analog inputs, 2 x analog outputs  
(I/O can be set to 0 to +/-10VDC, 0 –20mA or 4-20mA)
  - 6 x digital inputs, motor thermostat input, 3-volt free relay outputs
  - Fiber optic linking available as standard
  - 0.5A 24VDC power supply built in and available for customer use
- Unique configurable outputs, include: mechanical brake control, and anti condensation output
- Encoder input interfaces & power supply, 5V & 24VDC
- Modbus comms are standard, DeviceNet and Profibus option cards are available
- V/Hz, Sensorless Vector & Closed Loop Vector all in one package
- Friendly, easy to use English language display for set up and diagnostics:
- Real language parameter description eliminates need for look up tables, e.g.:
  - Analog I/O can be read in volts, Digital I/O reads 0 for off, X for on
  - Set motor current in amperes, etc.
- Extensive alarm annunciation:
  - Alarms displayed in English e.g. "MOTOR O/L"
  - Non-volatile trip alarm memory, even after power down, last 5 trips stored
  - Alarm jumps to top-level display to ease troubleshooting
- Easy start-up for simple applications:
  - Local stop, start, speed setting from onboard keypad
  - Auto tune of current loop
- Vecta configurations available for:
  - Crane operation
  - Constant pressure staging pump control
  - Dosing pump control
  - Open & Closed Loop Winder Control
- Free issue PC based configuration and monitoring tool, DriveComm, ships with every drive installed on a CDROM that also includes all manuals and catalog.
- Firmware upgrade in field as new features become available
- Awesome applications support available from our factory! 888-667-7333