

## **Drives**

### **EQ Series**

#### **EQ7**

##### Features and Benefits

- Control Features

Four selectable control modes – Volts/Hertz, Dynamic Torque, Sensorless Vector, Closed Loop Vector  
Provides drive solutions for today's demanding motor driven machinery

- Advanced Speed and Torque Control Capabilities

High levels of torque boost attainable  
Power loss ride through  
Torque limit adjustable features

- Advanced Tuning Features

High level of detail and information regarding applied motors  
Motor types range from variable torque to full flux vector motors

- Pid Loop Control Features

Process or dancer control  
Loss of feedback detection  
Sleep-wake mode  
High and low feedback alarms  
Wide variety of process set point signals to choose from

- Closed Loop Speed Control

100 Hz speed loop bandwidth  
Full-quadrature encoder feedback with marker pulse  
Range: 20 – 60,000 counts/ revolution  
Loss of encoder signal detection with alternative operation selection  
PI speed loop with adjustable gains and notch filtering

##### Keypad Panel Functions and Operations

- Features

LED and LCD display for user-friendly monitoring  
Extensive monitoring and diagnostics  
Configuration menus including a quick-start menu  
Stores configuration settings for easy download

### HVAC Packages

- Features

Packages up to 1000 hp available  
Available in multiple disconnect options  
Two or three contactor and soft start bypass  
Custom design packages  
Wide range of harmonic filters available to meet IEEE 519-1992  
NEMA 1, NEMA 12, NEMA 3R standard  
NEMA 4 & 4X available  
Duplex - multiplex packages available  
Packages designed to customer specifications

### Industrial Packages

- Features

NEMA 1, NEMA 12, NEMA 3R standard  
Packages up to 1000 hp  
Available in multiple disconnect options  
NEMA 4, 4X available  
Special designs to meet tight spacing requirements

For more detailed information please see attachments under the product on the website.