**SelecTech® Constant Torque EC Motors**  
**Rugged ECM Technology**

- Robust ECM design based upon years of Nidec field experience
- Designed to operate in the demanding environments found in residential and light commercial HAC systems
- Patented high efficiency design provides improved SEER performance in A/C systems when compared to PSC motors
- Integrates easily into existing air moving systems with simple 24V control and constant torque operation

**Product Overview**

The SelecTech® motor is a durable, easy to integrate Electrically Commutated (ECM) solution for high efficiency air handlers or gas furnaces. The five 24 volt tap settings are fully programmable for differing airflow requirements in multiple applications. Rugged and simply to operate, the SelecTech® is setting a new benchmark for reliable ECM technology.

**Key Features and Benefits**

- High Efficiency EC Constant Torque Motor
- 5 programmable 24-volt speed taps with programmable off delays
- Easy integration into air handlers and furnaces with simple 24V signals
- 6000V surge protection – more than double the protection of many OEM motors
- Fully potted electric module for superior moisture protection

**Specifications**

- **Horsepower:** 1/3, 1/2, 3/4, 1 HP  
- **Voltage:** 1Ø, 115, 208 – 230 or 277 Volts (460V coming soon)  
- **Speeds:** 600 – 1200 RPM  
- **Inputs:** Five Programmable, 24 V Torque Settings  
- **Operation Modes:** Constant Torque, Constant Speed  
- **Frame:** NEMA® 48  
- **Enclosure:** Open Air Over (OAO)  
- **Efficiency:** Up to 82%  
- **Mounting:** Belly-band, Stud Mount
Dual Shaft / Remote Mounted Electronics

Unlike competitive constant torque ECM units, the SelecTech® motor electronics can be mounted remotely, suitable for applications requiring dual shaft or in which there is limited space around the motor.

Dimension Print

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