

Eaton Corporation is a diversified industrial manufacturer ranked among the largest Fortune 500 companies. The electrical group is Eaton's largest division and is a global leader in electrical control, power distribution, power quality, automation, and monitoring products and services. Eaton's electrical products include brands such as Cutler-Hammer®, MGE Office Protection Systems, Powerware®, Holec®, and MEM®. Eaton provides PowerChain Management® solutions to serve the needs of the industrial, institutional, IT, data center, mission critical, utility, residential and OEM markets worldwide.

PowerChain Management solutions help enterprises achieve sustainable and competitive advantages through proactive management of the power system as a strategic, integrated asset throughout its life cycle. With Eaton's distribution, generation and power quality equipment; full-scale engineering services; and information management systems, the power system is positioned to deliver powerful results: greater reliability, operating cost efficiencies, effective use of capital, enhanced safety, and risk mitigation.



Eaton Corporation
Electrical Group
1000 Cherrington Parkway
Moon Township, PA 15108
United States
877-ETN CARE (877-386-2273)
Eaton.com

PowerChain Management is a trademark of Eaton Corporation. All other trademarks are property of their respective owners.

©2008 Eaton Corporation
All Rights Reserved
Printed in USA
Form No. BR04002001E
February 2008



EATON

Cutler-Hammer

MVX9000 Adjustable Frequency Drive

Product Focus

Small and Reliable
Sensorless Vector Drive



A little drive goes a long way.

We've struck a balance between power and functionality. Simply put, this is the perfect adjustable frequency microdrive for your low horsepower applications... and your budget.

Smooth Operator

Total motor control means the end of abrupt starts and stops. Motor efficiency and smooth low speed performance are made possible with a 32-bit microprocessor and insulated gate bipolar transistors. Additionally, the sensorless vector control allows you to closely control the motor speed easily, and without encoder feedback.

Application Engineers—An Intellectual Resource

We have industry-leading application engineers who know the intricacies of any adjustable frequency drive application. Available to assist with configuration questions, software customization, and any other drives questions you may have, they work in tandem with Eaton's sales engineers directly from Eaton's Product Integrity Center. Call 877-ETN CARE (386-2273) to get all the drives information you need.

Customer Designed Service

Installation, maintenance, system studies, turnkey projects... Eaton's Electrical Services and Systems (EESS) team can satisfy your needs. EESS is available to offer manufacturing expertise to assist in the field installation of any Cutler-Hammer product, including MVX9000 drives. You'll also gain an additional one-year warranty on any product installed by the EESS team.

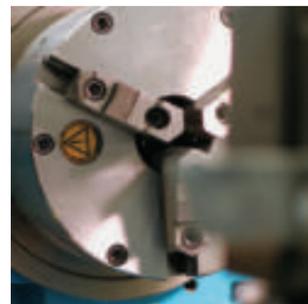
One Microdrive; Many Applications

A variety of features have been designed into the MVX9000, allowing it to meet many different applications. Its size and simplicity make it ideal for hassle-free installation, especially in applications where size is a primary concern.

- Multiple I/O configurations
- Two analog inputs and PID for setpoint and feedback control
- Open loop applications with tight speed control
- UL and cUL listed
- Meets NEC, NEMA, and IEEE standards

User-friendly Display

A digital display with operating and programming keys on a removable keypad comes standard with the MVX9000; providing drive monitoring, adjustment and diagnostic information. The keys are utilized for digital adjustment and programming of the drive and for operator control. Separate terminal blocks for control and power wiring are provided for system connections. Other features provided as standard include built-in dc braking and Modbus RS485 serial communications.



The Cutler-Hammer MVX9000 by Eaton Corporation is a sensorless vector ac drive designed to provide adjustable speed control of three-phase motors. This microprocessor-based drive can be programmed to tailor performance to suit a wide variety of industries, such as:

- Fans and pumps (refrigeration, HVAC, exhaust, etc.)
- Machine tool (drill press, saws, lathes, etc.)
- Manufacturing and material handling (conveyors, mixers, packaging, etc.)
- Commercial applications (laundry machines, car washes, automatic doors, etc.)

