

Low horsepower adjustable  
frequency drives

NFX9000

# Small and reliable

## NFX9000 variable frequency AC drive for low HP applications

Eaton has struck a balance between power, functionality and budget with the perfect adjustable frequency microdrive for low horsepower applications. The Eaton NFX9000 is a volts-per-hertz AC drive that enables speed control of three-phase motors. This programmable microprocessor-based drive can be tailored to suit a wide variety of industries and applications:

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



### Variable frequency

The NFX9000 is a compact variable frequency AC drive for light industrial purposes (0.25 to 2 hp). Its compact size makes the NFX9000 flexible for installation on OEM machinery, making it a drive for all needs. This small-sized unit, with DIN rail or screw mounting options, facilitates fast and easy mounting in a separate enclosure.

- Out-of-the-box operation
- Standard I/O includes an integrated RS485 (ModbusT) port
- Parameter access via integrated LED panel
- PC configurable software

### Programming

The NFX9000 includes an easy-to-use and flexible programming process. A small parameter set keeps programming to a minimum, thanks to well-defined settings. The versatile features include:

- Automatic restart
- Full motor protection (OC, OV, OL, OT)
- Torque compensation
- Electronic motor overload
- Built-in EMI filter

### Smooth starting and stopping

Customizable start and stop ramps reduce mechanical wear on motors and associated machinery. Increased motor efficiency and smooth, low-speed performance are made possible with a 32-bit microprocessor and insulated gate bipolar transistors. The open loop design allows easy motor speed control without encoder feedback.

### Application engineers— an intellectual resource

Eaton has industry-leading drive specialists who know the intricacies of any adjustable frequency drive application. They are available to assist with configuration questions, software customization, and any other drive questions you have. Working in tandem with our sales engineers, they are located at the Eaton Product Integrity Center.

Call 1-800-809-2772 to get more information about Eaton drives or visit our website at [eaton.com/drives](http://eaton.com/drives).

**EATON**

Powering Business Worldwide

Eaton is dedicated to ensuring that reliable, efficient and safe power is available when it's needed most. With unparalleled knowledge of electrical power management across industries, experts at Eaton deliver customized, integrated solutions to solve our customers' most critical challenges.

Our focus is on delivering the right solution for the application. But, decision makers demand more than just innovative products. They turn to Eaton for an unwavering commitment to personal support that makes customer success a top priority. For more information, **visit [www.eaton.com/electrical](http://www.eaton.com/electrical)**.

# A little drive goes a long way.



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