



THE MCH SERIES - For HVAC Professionals

Designed for centrifugal loads as found in fan, pump and cooling tower applications. The MCH Series is designed to control these applications by the most energy efficient means: direct motor control.

Whether you specify, install or operate HVAC systems, you can rely on the drive built specifically for HVAC Professionals.

General Specifications

Horsepower: 1 to 250 HP (0.75 to 185kW)

Supply Power:

Three Phase: 208, 240, 400, 480 or 590VAC
50 or 60 Hz (+10/-15%)

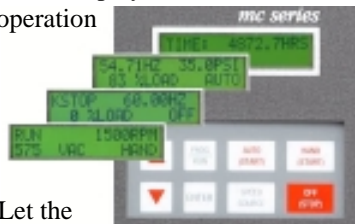
Motors: The MCH is designed to operate standard polyphase induction motors rated for 200, 230, 400, 460 or 575VAC from 0 to 120Hz.

Enclosure: NEMA 1 is standard for drive & options
NEMA 12 available for drive only.

Standard Features

Easy set-up and operation: The MCH offers intuitive operator interface using plain english programming and operational information.

- 2-line, 32 character backlit display
- Keypad with H-O-A operation
- Personal computer interface using AC Tech's free TechLink Software



PID setpoint control: Let the drive software adjust the motor speed to maintain a preset pressure, flow, temperature or other independent variable.

- Remote enable/disable
- Direct or reverse acting
- Transducer calibration
- High/Low level alarm

MCH Installed Options

Branch Circuit Protection:

Choose either a Circuit Breaker or Disconnect with fusing, both offer door interlocked rotary handle. If branch circuit protection is located elsewhere, door interlocked disconnect switch is available without fusing.

Input Line Reactor:

The most recommended complement to a good drive installation. The input reactor adds protection for the drive against common electrical noise and line spikes while reducing noise and harmonics back to the supply mains.

Drive Bypass:

Three-contactor drive bypass completely isolates the drive when operating the motor at full speed directly across the line. Contactor logic and controls are operated at 115VAC and include pilot light operators and door mounted controls.

