Delta High Performance / Standard Compact Drive

Compact. Reliable. Capable.

- Wide Range: 0.25 HP - 30 HP
- 115 V, 230 V and 480 V
- V/Hz, Sensorless Vector and Closed Loop Vector Control
- Induction and Permanent Magnet Motors
- Up to 2,000 Hz output frequency
- Auto-tuning with system analysis tools
- MODBUS Communications Built-in
- Options for CANopen, DeviceNET, PROFIBUS, MODBUS TCP, Ethernet/IP and EtherCAT communications
- Option cards for I/O, Relays and Pulse Generator

CALL NOW 800-985-6929
http://deltaacdrives.com
info@deltaacdrives.com
Control Architecture Options

Centralized Control with Coordination

Centralized Control with Synchronization

Distributed Stand-alone

Functionality

**MH300 High Performance Compact Drive**


MH300 same as MS300 with these additional features:
- Closed loop vector control
- Induction and Permanent Magnet motors
- Up to 2,000 Hz output frequency
- Built-in PLC (5,000 steps)
- 5-digit LCD keypad with shuttle dial
- Communications: Built-in MODBUS, CANopen
- Two Option card slots
- Option Cards: Same as MS300 plus EtherCAT
- Operating temperature: -4°F to 122°F (-20°C to 50°C)
- Horsepower range:
  - 0.25 - 1 HP 115 VAC (-15% +10%) 1 ph
  - 0.25 - 3 HP 230 VAC (-15% +10%) 1 ph
  - 0.25 - 20 HP 230 VAC (-15% +10%) 3 ph
  - 0.5 - 30 HP 480 VAC (-15% +10%) 3 ph

**MS300 Standard Compact Drive**

*Compact. Versatile. Optimized*

- Sensorless vector control
- Induction and Permanent Magnet motors
- Up to 1,500 Hz output frequency
- Built-in PLC (2,000 steps)
- EMC Filter
- Integrated Safe-Torque-Off (SIL2/PLd)
- 5-digit LED keypad
- Built-in USB port for upgrade, monitor and configuring
- Communications: Built-in MODBUS
- Option Cards: CANopen, DeviceNet, EtherNet/IP, MODBUS TCP, PROFIBUS DP
- Operating temperature: -4°F to 122°F (-20°C to 50°C)
- Horsepower range:
  - 0.25 - 1 HP 115 VAC (-15% +10%) 1 ph
  - 0.25 - 3 HP 230 VAC (-15% +10%) 1 ph
  - 0.25 - 20 HP 230 VAC (-15% +10%) 3 ph
  - 0.5 - 30 HP 480 VAC (-15% +10%) 3 ph

Typical Applications

- Machine Tool
- Woodworking
- Automatic Tool Changers
- Pumps
- Packaging
- Textile

Ordering Information

<table>
<thead>
<tr>
<th>VFD</th>
<th>1A5</th>
<th>MH</th>
<th>A</th>
<th>N</th>
<th>S</th>
<th>A</th>
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<tbody>
<tr>
<td><strong>Variable Frequency Drive</strong></td>
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</table>
| **Rated Output Current**
Under Heavy Duty Mode (150% 60 seconds) |
| **Series Name**
MH: High Performance MH300
MS: Standard MS300 |
| **Input Voltage**
11: 115 V 1-phase
21: 230 V 1-phase
23: 230 V 3-phase
43: 460 V 3-phase |
| **IP Level**
A: IP20
E: IP40 (Anti-dust) |
| **Version** |
| **Model Type**
A: Standard Model
H: High Speed Model |
| **Safe Torque Off (STO)**
S: Integrated STO |
| **EMC Filter**
N: No Function
F: Built-in EMC Filter |