



# 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

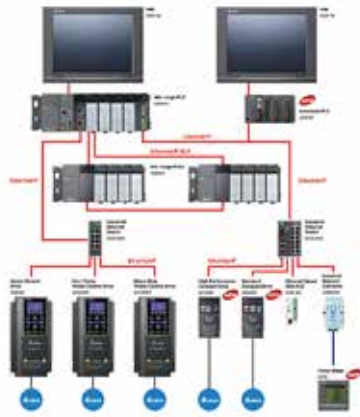


[www.delta-americas.com/MH300MS300](http://www.delta-americas.com/MH300MS300)

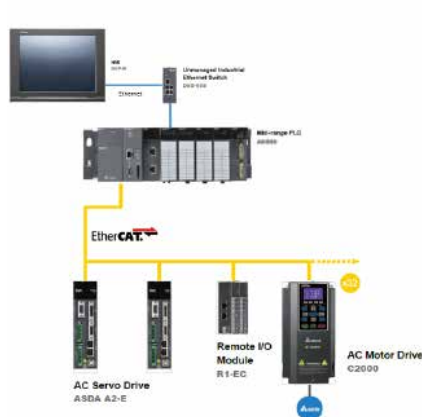


# Control Architecture Options

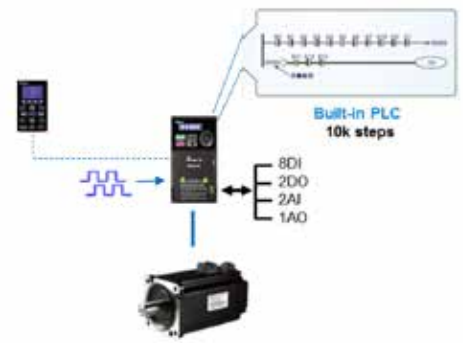
## Centralized Control with Coordination



## Centralized Control with Synchronization



## Distributed Stand-alone



# Functionality

### MH300 High Performance Compact Drive

*Performance. Reliability. Safety.*

MH300 same as MS300 with these additional features:

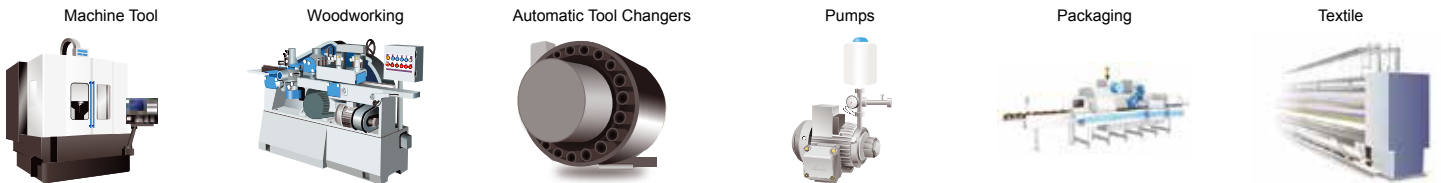
- Closed loop vector control
- Induction and Permanent Magnet motors
- Up to 2,000 Hz output frequency
- Built-in PLC (5,000 steps)
- 5-digit LCD keypad with shuttle dial
- Communications: Built-in MODBUS, CANopen
- Two Option card slots
- Option Cards: Same as MS300 plus EtherCAT
- Operating temperature: -4° to 122°F (-20° 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%) 3ph

### 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° to 122°F (-20° 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 460 VAC (-15% +10%) 3 ph

# Typical Applications



# Ordering Information

