Superior servo performance and compact footprint make the DDHD dual axis drive the ideal cost-saving solution for low and medium voltage applications.

**Powerful performance while reducing system costs**
Evolved from Servotronics successful CDHD servo drive, the DDHD dual axis servo drive is designed on the same platform and utilizes the same powerful HD control algorithms. Shared components and optimized wiring reduce costs by 20% per axis as compared to systems with two independent drives.

**Maximum machine accuracy and throughput**
New current loop design achieves an industry-leading Frequency response of 3-5 kHz.

**Advanced autotuning** minimizes position error and settling time to almost zero.

Active non-linear anti-vibration control algorithm eliminates mechanical resonance in highly flexible systems.

**Key benefits**
- Up to 20% lower cost per axis due to shared components and less wiring
- High performance control of synchronous servo motors
- Reference command: EtherCAT, CANopen, Analog, Pulse train
- I/O programming
- Interfaces multiple feedback devices
- Share AC input and regeneration, for energy efficiency
- Simple commissioning using ServoStudio™ GUI
- Exclusive 30-month warranty

**Offered with matched PRO2/PRHD2 servo motors for optimal performance**

**PRO/PRO2 Series**
- 50 W – 7.5 kW
- 0.16 Nm – 48 Nm

**PRHD2 Series**
- 50 W – 3 kW
- 0.16 Nm – 14.3 Nm
ServoStudio™ wizard for simple commissioning
• Step-by-step guidance through setup and tuning process
• Excellent results for novice users within minutes
• Real-time data recording and plotting
• Easy integration of servo axes
• Plug-and-play motor and feedback wiring

Rating and dimensions

<table>
<thead>
<tr>
<th>Model</th>
<th>Input Voltage (VAC)</th>
<th>Input Power Main Circuit</th>
<th>Continuous Current (A rms)</th>
<th>Peak Current (A rms)</th>
<th>120 VAC Typical Motor Output (W)</th>
<th>240 VAC Typical Motor Output (W)</th>
<th>Width (mm)</th>
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<td>120/240</td>
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<td>200/200</td>
<td>83.5</td>
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Communication:
EtherCAT  CANopen  RS232  Daisy Chain

Motor feedback:
Incremental Encoder  Hall Sensors  SSI Encoder (e.g. EnDat®, Nikon®, Tamagawa®)  Motor Temperature

I/Os:
Digital: 8 x Input, 10 x Output  Analog: 2 x Input  2 x Pulse & Direction  2 x Equivalent Encoder Output

Ordering information

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Communication Interfaces
AP  Analog Voltage, Pulse Train References, RS232
AF  CANopen, Analog Voltage, Pulse Train, RS232
EC  EtherCAT, Analog Voltage, Pulse Train, RS232, USB

Motor Type
(blank)  Rotary and linear servo motors  Available in Asia market only.