3-in-1 Stepper Motor, Controller, & Drive

SMD34E2
Integrated Motor Package with Ethernet Interface

**Features**

- Built-in EtherNet/IP & Modbus-TCP interface
- Torque range 450-1100 oz-in (3.18 – 7.77 N-m)
- EtherNet/IP version supports DLR
- Programs using host controller’s software
- Space saving design reduces wiring
- IP64 Rated (IP65/67 optional)

**Benefits**

This cost-effective integrated solution provides a complete axis of motion control with guaranteed performance and compatibility across a range of applications.

The product is ODVA conformance tested, and interfaces with leading PLCs including those from Rockwell, IDEC, and Schneider.

Visit [www.amci.com](http://www.amci.com) to learn about these benefits, and more.

*Specifications on back*
# 3-in-1 Stepper Motor, Controller, & Drive

## Product Specifications

<table>
<thead>
<tr>
<th>General:</th>
<th>Motion:</th>
<th>Programmable Inputs:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Voltage: 24 to 80 Vdc</td>
<td>Steps per Revolution: Programmable between 200 and 32,767 steps</td>
<td>Inputs: 3 Opto isolated</td>
</tr>
<tr>
<td>Motor Current: 5.4 A/phase</td>
<td></td>
<td>Functions: home limit, over travel limit,</td>
</tr>
<tr>
<td>Overtemp Protection</td>
<td></td>
<td>capture input, manual jog stop, E-stop,</td>
</tr>
<tr>
<td>Auxiliary Power</td>
<td></td>
<td>registration, index move</td>
</tr>
</tbody>
</table>

## Communication:

- Interface: 2 port Ethernet with Embedded switch
- 

## Torque Curves:

<table>
<thead>
<tr>
<th>SMD34E2-450</th>
<th>SMD34E2-850</th>
<th>SMD34E2-1100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Holding Torque:</td>
<td>450 oz-in (3.18 N-m) torque rating</td>
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</tr>
<tr>
<td>Encoder:</td>
<td>850 oz-in (6.0 N-m) torque rating</td>
<td>850 oz-in (6.0 N-m) torque rating</td>
</tr>
<tr>
<td>Connectors:</td>
<td>1100 oz-in (7.7 N-m) torque rating</td>
<td>1100 oz-in (7.7 N-m) torque rating</td>
</tr>
</tbody>
</table>

## Ordering Information

**SMD34E2-**

- **Holding Torque**
- **Encoder**
- **Connectors**
- **IP Rating**

### Part Number Character

- **Size 34 Integrated Stepper Motor + Drive + Controller w/ Ethernet Interface and Embedded Switch**
  - **Holding Torque:**
    - **450** = 450 oz-in (3.18 N-m) torque rating
    - **850** = 850 oz-in (6.0 N-m) torque rating
    - **1100** = 1100 oz-in (7.77 N-m) torque rating
  - **Encoder:**
    - **A** = Absolute multi-turn encoder
    - **E** = Incremental encoder
    - (blank for no encoder)
  - **Connectors:**
    - **M12** = M12 connectors
  - **IP Rating:**
    - **S** = Shaft seal; IP64 rating
    - **P** = IP65/67 rating

## Accessories

- Gearboxes
- Cord Sets