PM486XE DC Motor Driven Roller

Diameter: 1.91" (48.6mm)
Voltage: 24V DC

Features
- Brushless DC motor provides long life
- ABEC 1 Bearings
- DOM, zinc plated, carbon steel tube
- Internal driver card simplifies wiring direct to roller
- Stable speed function without various torque
- 7/16" Hex (plain) shafts standard
- Highly durable metallic gears

Dimensions

Mounting Brackets

Wiring

Standrd 7 pin JST connector (XHP-7)
For use with terminal block A-B70 / A-B80

Optional cable-less Snap-In-Drive connector
For use with Snap-In-Drive ZPA controller

Operation
- Cycle: 1s ON; 1.5s OFF
- Continuous or Intermittent duty
- Do Not Exceed 150% of No-Load Speed

Protection
- Motor is protected from overheating
- Undervoltage error
- Back EMF error

Environment
- Ambient Temperature
  32–104°F (0–40°C)
- < 90% Relative Humidity
  (No condensation)
- No Corrosive Gases
- Vibration < 0.5G

See page 37 for more details
## PM486XE Performance Data

### Minimum Tube Lengths and Options

<table>
<thead>
<tr>
<th>Non Grooved Tube</th>
<th>Gear Stages</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>282mm (11.10&quot;)</td>
</tr>
<tr>
<td>2</td>
<td>310mm (12.20&quot;)</td>
</tr>
<tr>
<td>3</td>
<td>332mm (13.07&quot;)</td>
</tr>
</tbody>
</table>

#### Lagging
- Wide range of rubber laggings available

### Gear Stages

<table>
<thead>
<tr>
<th>Gear Stages</th>
<th>P2 Double Groove Tube (50/32)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>334mm (13.15&quot;)</td>
</tr>
<tr>
<td>2</td>
<td>362mm (14.25&quot;)</td>
</tr>
<tr>
<td>3</td>
<td>385mm (15.16&quot;)</td>
</tr>
</tbody>
</table>

### VP or VG pulley end cap

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### Lagging
- VP - Between Frame -35mm = Tube length
- VG - Between Frame -41mm = Tube length

### A-B70-G & A-B80-G I/O Terminal Block

- I/O terminal on mounting bracket
- Built in 10kΩ resistor for speed variation
- Speed adjustable from 12.5% to 100%
- Reverse direction by slide switch

*Note: “C007” (70mm) power cable option is required for use with this terminal block*

### Specifications

<table>
<thead>
<tr>
<th>Standard</th>
<th>10 Speed Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gear Stage</td>
<td>Speed Code</td>
</tr>
<tr>
<td>3</td>
<td>17</td>
</tr>
<tr>
<td>2</td>
<td>30</td>
</tr>
<tr>
<td>1</td>
<td>60</td>
</tr>
</tbody>
</table>

To view card wiring diagrams and more information please visit www.itohdenki.com

Specifications subject to change without notice.

![Diagram of terminal block](image-url)

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