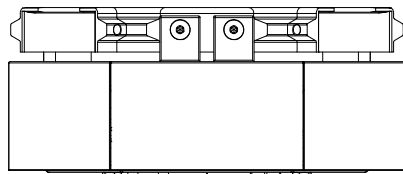
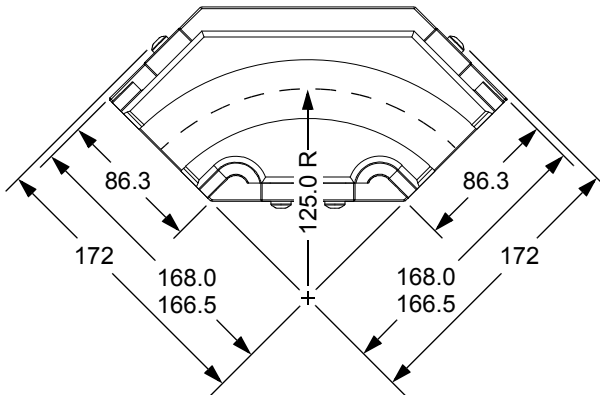
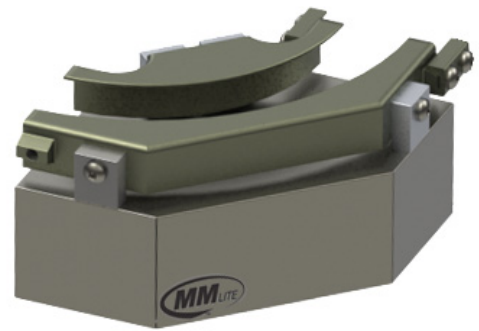
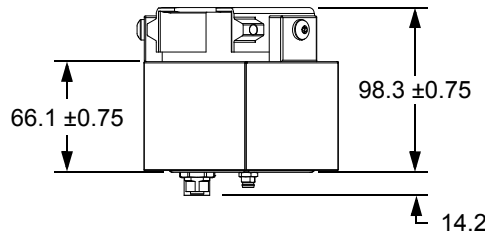


# MagneMover™ LITE 90° Curve Motor

Catalog Numbers 700-1308-40, 700-1308-41, 700-1308-43, 700-1308-44, 700-1308-12



Motor Mount  
M6 X 1  $\nabla$ 7.0 max



- MagneMover LITE systems consist of modules that include motors, vehicles (pucks) with integral magnet arrays, switches, controllers, and power supplies.
- MagneMover LITE motors contain integral motor controllers and position sensing.
- Motors are available with Aluminum rails, Stainless Steel rails, or no rails (Aluminum rails shown).
- Pucks used on the motors with rails are approximately 62 mm by 62 mm.
- Up to nine (9) pucks in motion per meter.
- Up to ten (10) pucks in queue per meter standard, up to twelve (12) pucks in queue per meter depending upon application.
- Location repeatability to  $\pm 0.5$  mm.
- Wash-down capable, designed for IP65 (IEC 60529).
- CE Certified, UL Recognized.

## Physical Specifications

**Dimensions\***: 172 W x 172 L x 112.5 H, 125.0 R

**Weight**: 1.8 kg [4.0 lb] (Aluminum Rails)

\* All dimensions are millimeters. Contact MagneMotion for detailed drawings.

## Environmental Specifications

**Ambient Temperature**: 0° C to 50° C [32° F to 122° F]

**Relative Humidity**: 85% max (relative, non-condensing)

## Electrical Specifications

**Drive Rating**: 36 VDC  $\pm 10\%$ , 0.4 A typical, 1.2 A max.

**Power**: 5 W drawn by the motor alone.  
Maximum additional power drawn by the motor is 15 W per magnet array when the vehicle is moving at maximum acceleration or velocity.

## Performance Specifications†

**Recommended Max Acceleration**: 2 m/s<sup>2</sup> [0.2 g]

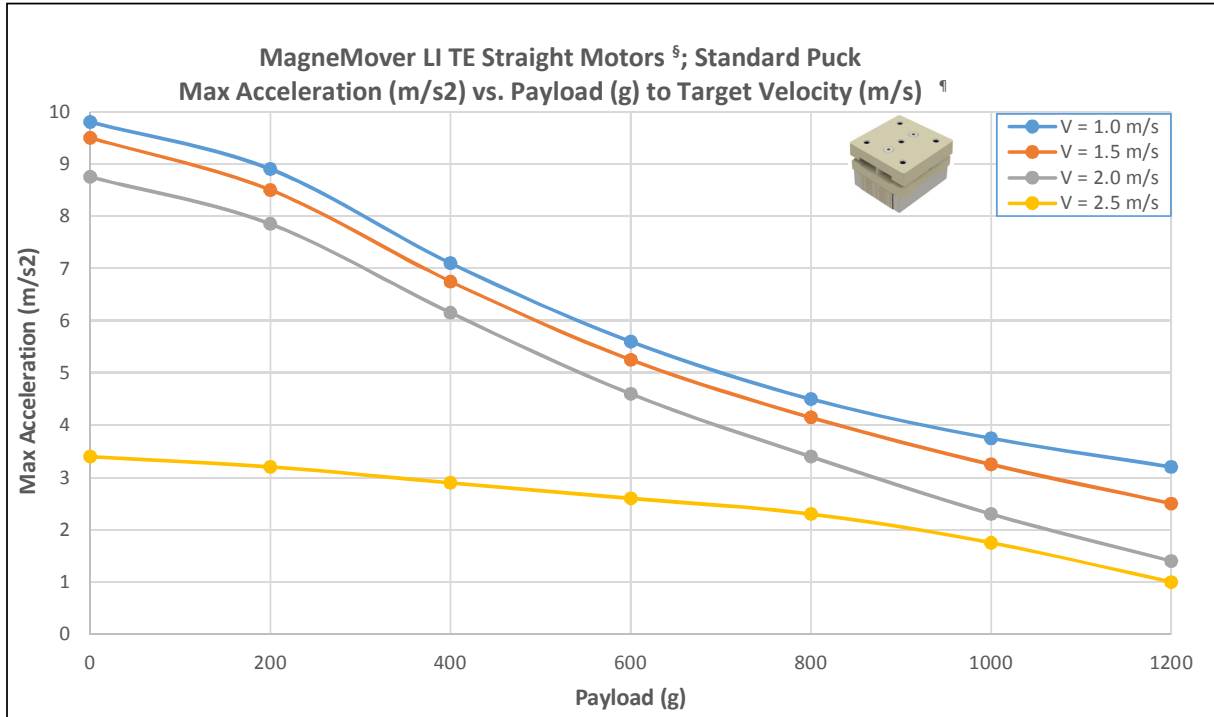
**Recommended Max Velocity**: 2.0 m/s [4.5 mph]

**Repeatability**:  $\pm 0.50$  mm nominal  
(at recommended max payload)  $\pm 0.10$  mm with calibration

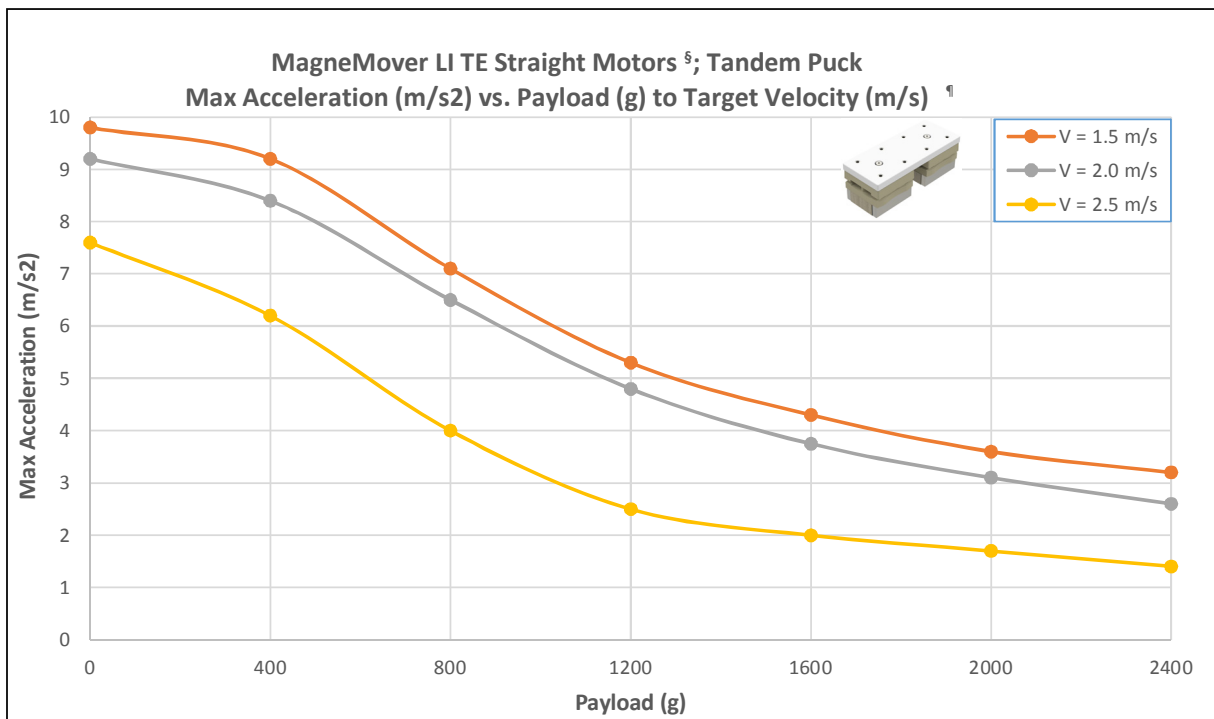
**Recommended Max Payload**: 1 kg per puck‡

† Operating performance will vary based on payloads, acceleration and velocity settings, and vehicle density (refer to tables).

‡ Single puck recommended maximum payload is 1 kg, tandem puck recommended maximum payload is 2 kg.



§ Vehicle performance while moving on a straight path. Performance will be reduced when on curves and switches.  
¶ Graph cannot be used to calculate optimal move times for distances less than 1 m as settling time plays an appreciable role.



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¶ Graph cannot be used to calculate optimal move times for distances less than 1 m as settling time plays an appreciable role.

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Use the following resources to access support information.

<b>Technical Support Center</b>	Knowledgebase Articles, How-to Videos, FAQs, Chat, User Forums, and Product Notification Updates.	<a href="https://rockwellautomation.custhelp.com/">https://rockwellautomation.custhelp.com/</a>
<b>Local Technical Support Phone Numbers</b>	Locate the phone number for your country.	<a href="http://www.rockwellautomation.com/global/support/get-support-now.page">http://www.rockwellautomation.com/global/support/get-support-now.page</a>
<b>Direct Dial Codes</b>	Find the Direct Dial Code for your product. Use the code to route your call directly to a technical support engineer.	<a href="http://www.rockwellautomation.com/global/support/direct-dial.page">http://www.rockwellautomation.com/global/support/direct-dial.page</a>
<b>Literature Library</b>	Installation Instructions, Manuals, Brochures, and Technical Data.	<a href="http://www.rockwellautomation.com/global/literature-library/overview.page">http://www.rockwellautomation.com/global/literature-library/overview.page</a>
<b>Product Compatibility and Download Center (PCDC)</b>	Get help determining how products interact, check features and capabilities, and find associated firmware.	<a href="http://www.rockwellautomation.com/global/support/pcdc.page">http://www.rockwellautomation.com/global/support/pcdc.page</a>

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