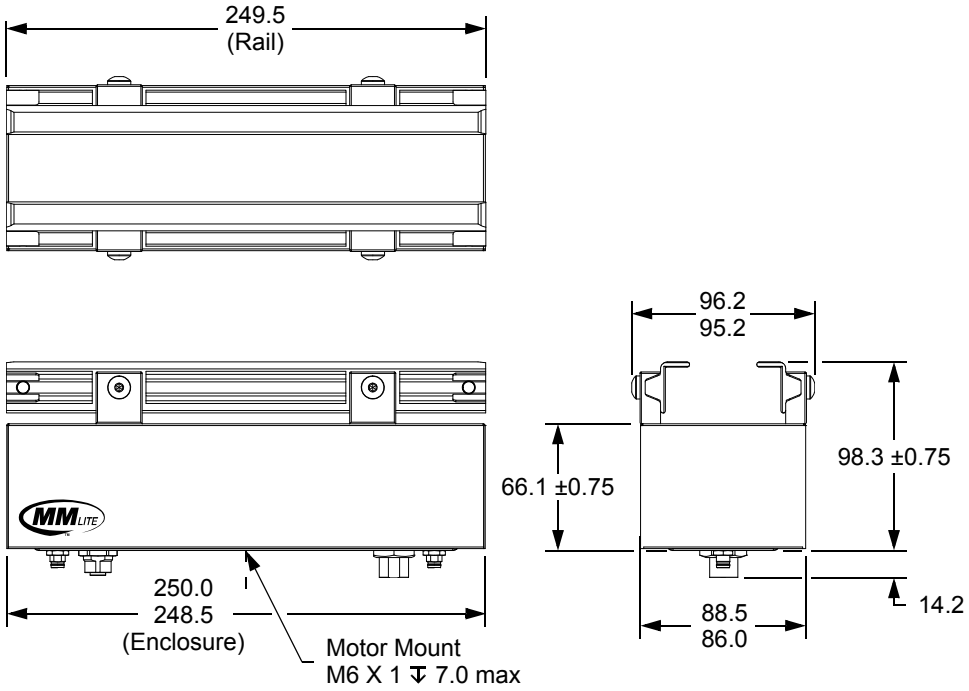
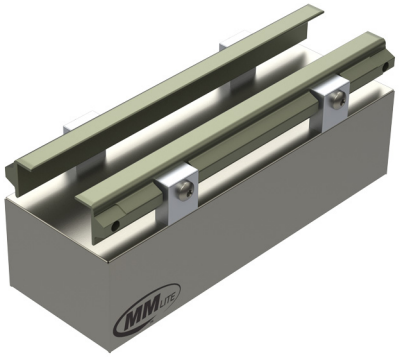
# MagneMover™ LITE 250 mm Motor

Catalog Numbers: 700-1308-20, 700-1308-21, 700-1308-23, 700-1308-24, 700-1308-11



- 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 ±0.5 mm, station repeatability to ±0.1 mm with calibration.
- Wash-down capable, designed for IP65 (IEC 60529).
- CE Certified, UL Recognized.

## Physical Specifications

**Dimensions*:** 96.2 W x 250.0 L x 112.5 H

**Weight:** 2.0 kg [4.4 lb] (Aluminum Rails)

## Environmental Specifications

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

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

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

## Electrical Specifications

**Drive Rating:** 36 VDC ±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$^2$ [0.2 g]

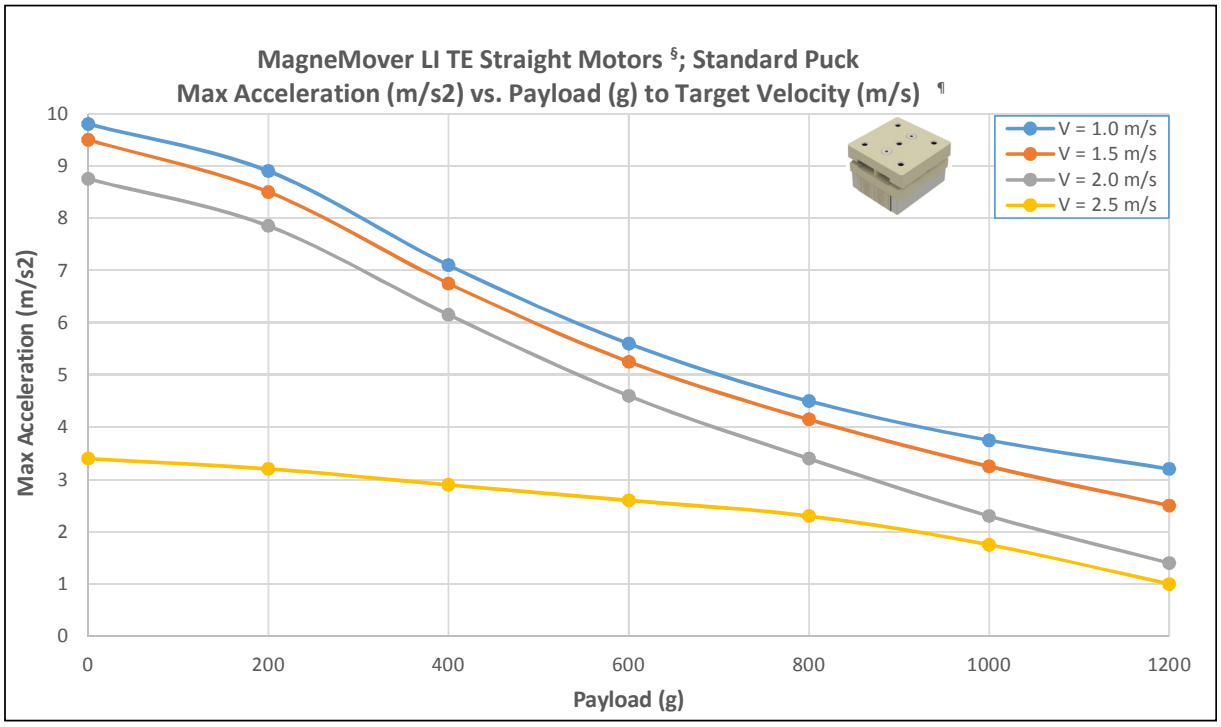
**Recommended Max Velocity:** 2.0 m/s [4.5 mph]

**Repeatability:** ±0.50 mm nominal
(at recommended max payload) ±0.10 mm with calibration

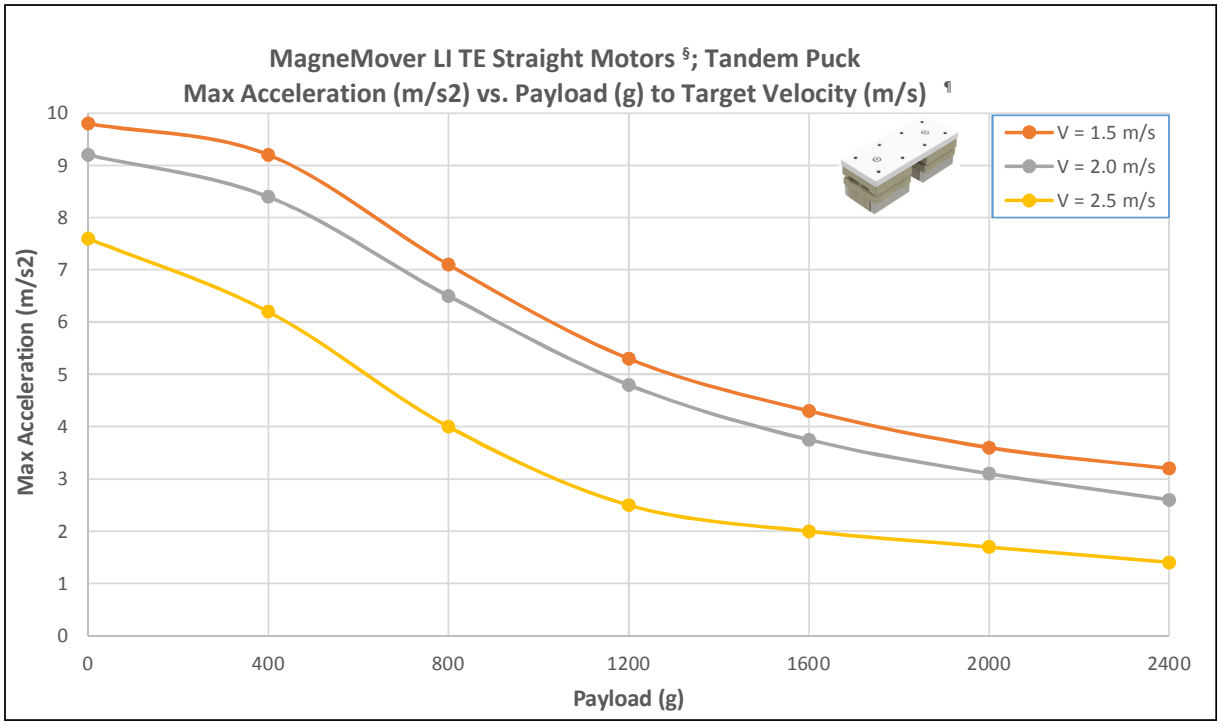
**Recommended Max Payload:** 1 kg per puck‡

† 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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MagneMotion
A Rockwell Automation Company

## Rockwell Automation Support

Use the following resources to access support information.

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|---|---|---|
| **Technical Support Center** | Knowledgebase Articles, How-to Videos, FAQs, Chat, User Forums, and Product Notification Updates. | https://rockwellautomation.custhelp.com/ |
| **Local Technical Support Phone Numbers** | Locate the phone number for your country. | http://www.rockwellautomation.com/global/support/get-support-now.page |
| **Direct Dial Codes** | Find the Direct Dial Code for your product. Use the code to route your call directly to a technical support engineer. | http://www.rockwellautomation.com/global/support/direct-dial.page |
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