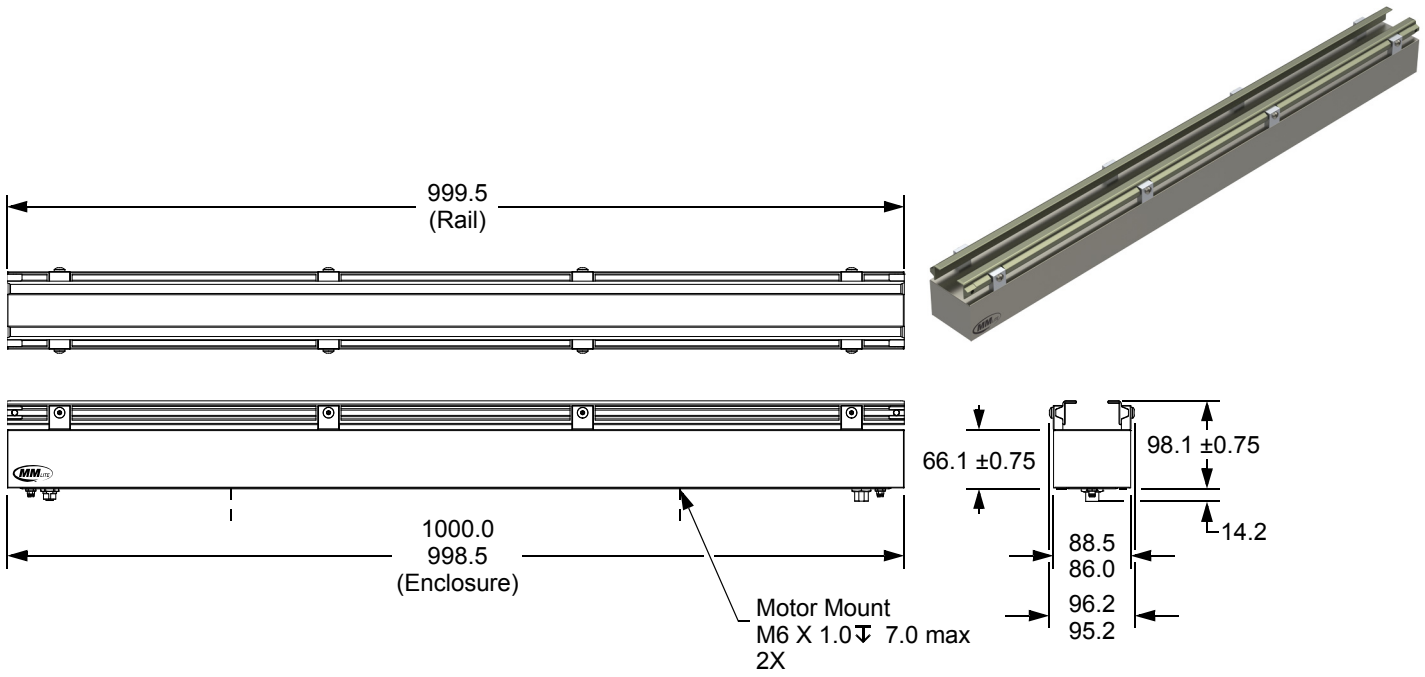
MagneMover™ LITE 1000 mm Motor

Catalog Numbers: 700-1308-00, 700-1308-01, 700-1308-03, 700-1308-04, 700-1308-10



- 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 1000.0 L x 112.3 H

Weight: 7.3 kg [16.0 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, 5.0 A max.

Power: 10 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]

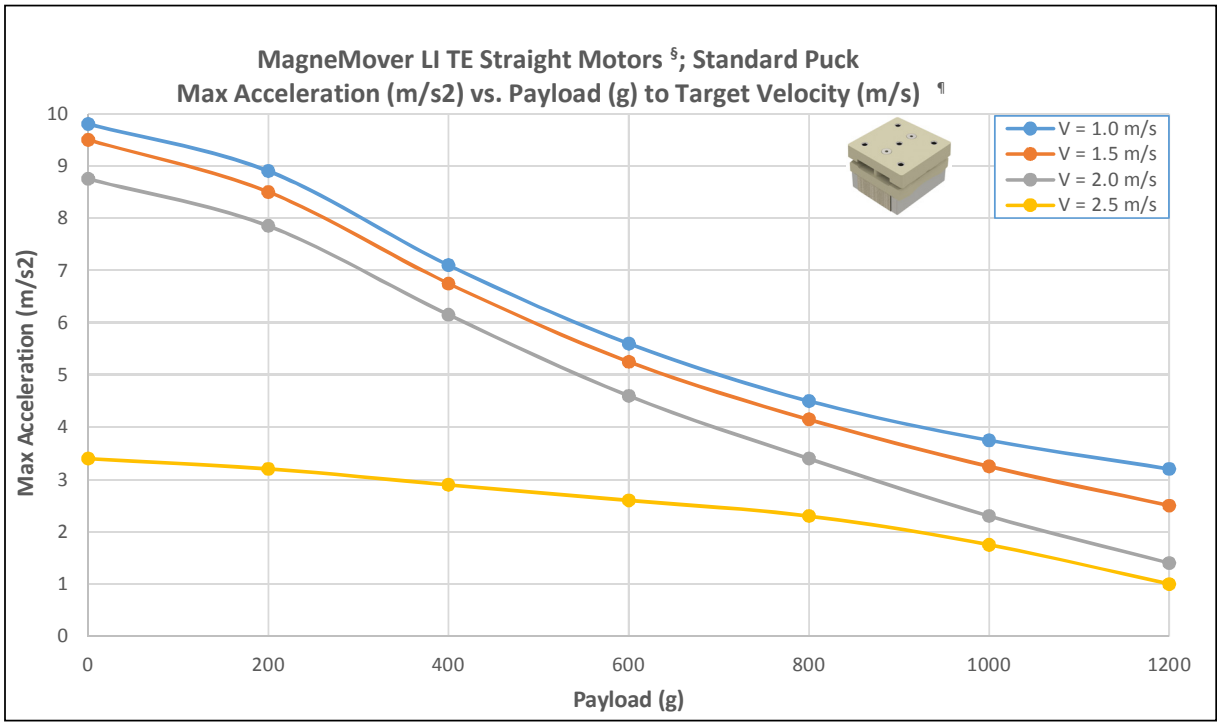
Recommended Max Velocity: 2.0 m/s [4.5 mph]

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

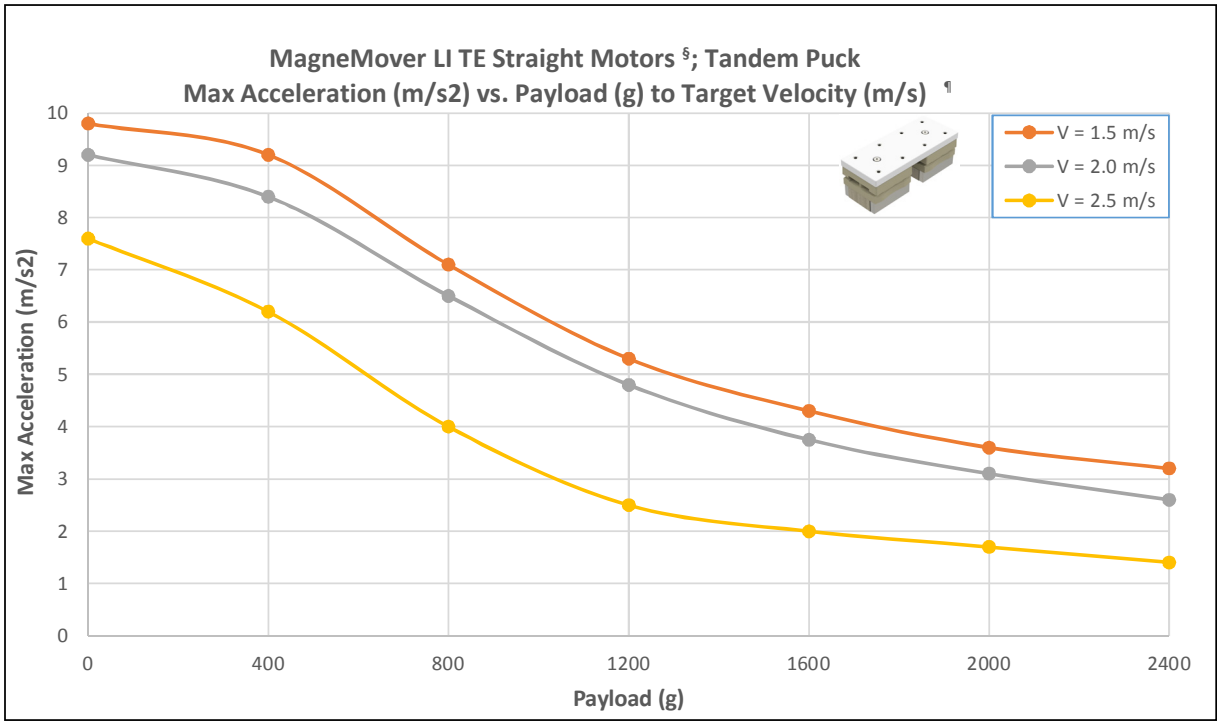
Recommended Max Payload: 1 kg per puck‡

† 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.

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
Literature Library	Installation Instructions, Manuals, Brochures, and Technical Data.	http://www.rockwellautomation.com/global/literature-library/overview.page
Product Compatibility and Download Center (PCDC)	Get help determining how products interact, check features and capabilities, and find associated firmware.	http://www.rockwellautomation.com/global/support/pcdc.page

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