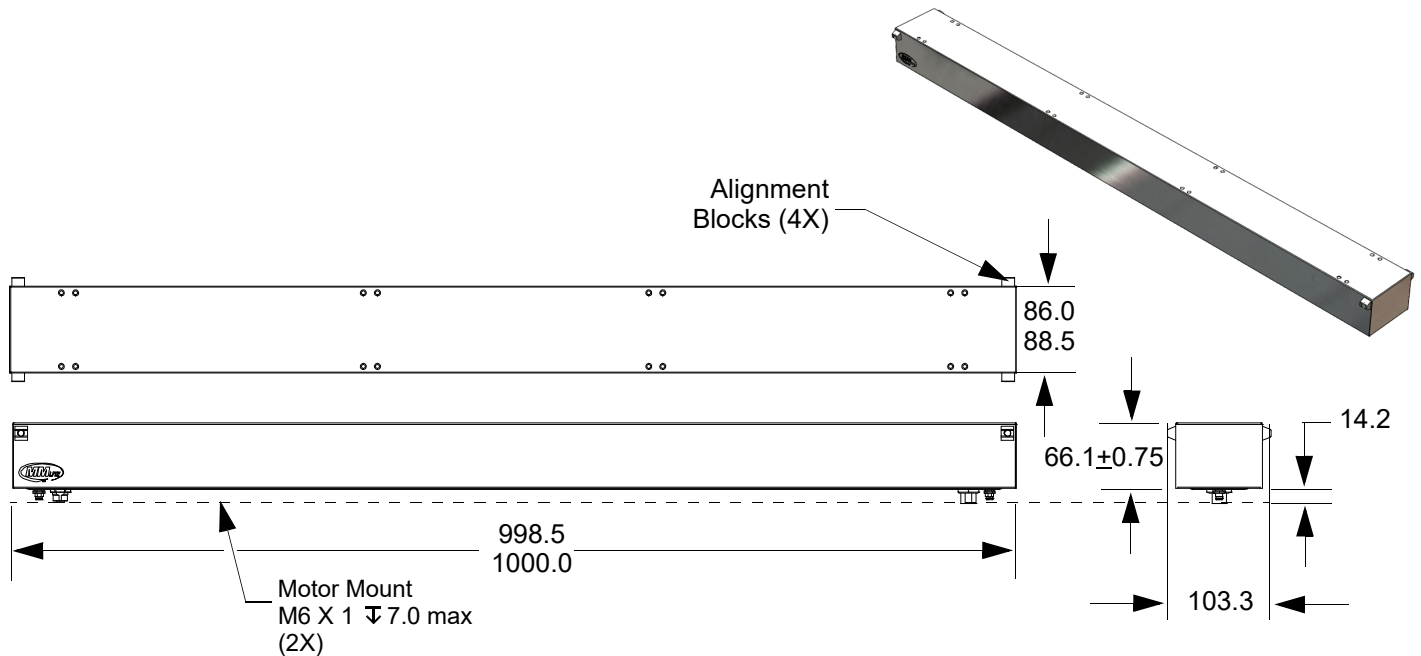


# MagneMover™ LITE 1000 mm Railless Motor

Catalog Number 700-1308-02, 700-1308-05, MMI-MML-1000M-NR-SER-SYNCAC, 700-1708-02, 700-1708-05, 700-1708-05-AC



- MagneMover LITE railless 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.
- Railless motors are compatible with the MagneMotion Precision Rail guidance and vehicle system. Alternately, customers can design their own guidance and vehicle system.
- Magnet arrays used with motors are approximately 62 mm by 62 mm.
- Up to nine vehicles in motion per meter depending upon vehicle size.
- Up to ten vehicles in queue per meter standard, up to twelve vehicles in queue per meter depending upon application.
- Location repeatability to  $\pm 0.5$  mm, station repeatability to  $\pm 0.1$  mm with calibration.
- Wash-down capable (designed for IEC 60529, IP65).
- CE Certified, UL Recognized.

## Physical Specifications

**Dimensions\***: 103.3 W x 999.0 L x 66.1 H

**Weight:** 6.9 kg [15.2 lb]

\* All dimensions are in millimeters.

## Electrical Specifications

**Drive Rating:** 36 VDC  $\pm 10\%$ , 1.5 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.

## Environmental Specifications‡

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

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

## 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:** 2.5 kg+ per vehicle‡

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

‡ Single array vehicle recommended maximum payload is 2.5 kg, dual array vehicle recommended maximum payload is 5.0 kg.

## Rockwell Automation Support

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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