

MARS C1500SE

Technical Specifications

Engineered for tightest spaces

Designed to handle special loads, this AMR combines powerful performance with smart navigation to maximize productivity.



GENERAL INFORMATION

AMR Type	Carrier	Max Docking Speed	0.4 m/s
Payload Capacity	3300 lbs (1500 kg)	Docking Accuracy	± 5 mm
Max Speed	1.25 m/s	Navigation Type	SLAM Navigation

DIMENSIONS

Length	1639 mm	Turning Radius	Turn in place
Width	771 mm	Weight	550 lbs (250 kg)
Height	298 mm	Ground Clearance	30 mm

SAFETY

Performance Level	PLd	Bumper	All four sides of AMR
Emergency Stop	4 x Emergency Stop Button		

POWER

Battery Type	Li-Ion	Voltage	72 V
Capacity	105 Ah	Charging Time (30% to 80%)	60 min
Max Discharge Rate	2C		
Run Time	8 Hours	Charging Options	Manual Charging Autonomous Charging Wireless Charging
Number of Full Charging Cycles	5,000		

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EMBEDDED LIFT

Stroke	100 mm	Load Capacity	3300lbs (1500kg)
Speed	12 mm/s	Position Feedback	16 bit Encoder
Load Type	Euro Pallets, Carts, Trays, etc.		

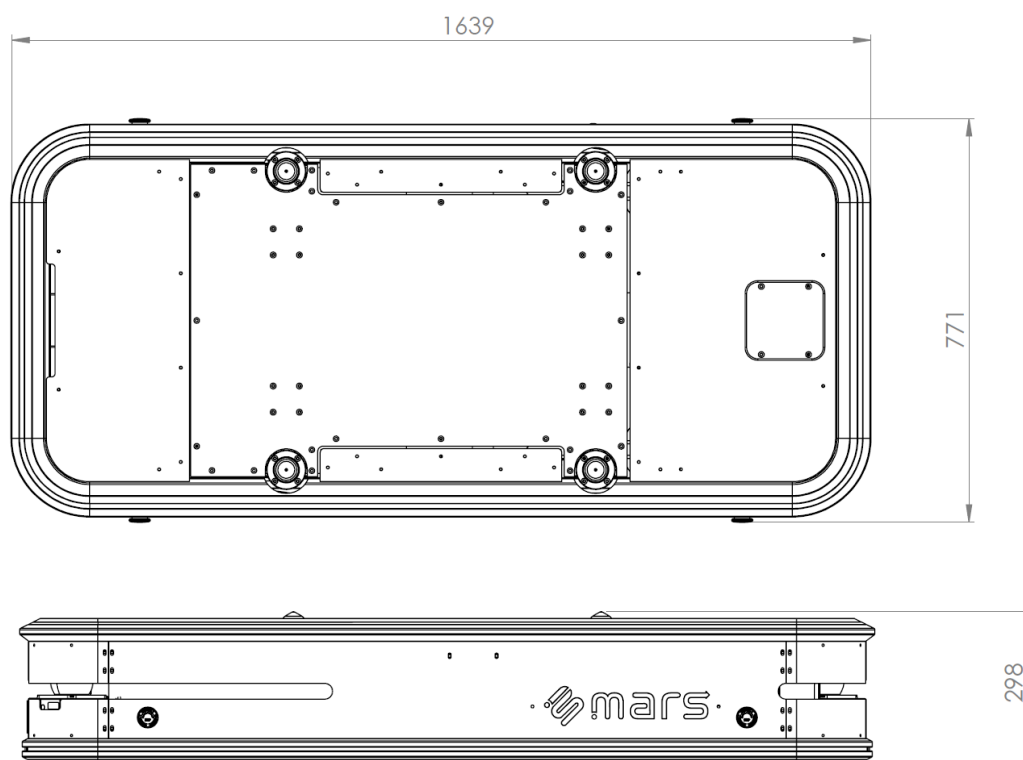
ENVIRONMENT

Environment	<ul style="list-style-type: none">For indoor use onlyDeep-freeze applications	Ambient Operating Temperature	-30°C to 50°C
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ATTACHMENT INTERFACE

Power Interface	24 VDC, 10 A Regulated 72 VDC, 50 A Unregulated	Safety Interface	Dual Channel E-Stop
Signal Interface	Ethernet, USB		

TECHNICAL DRAWINGS



*All dimensions are in mm.