



# MP300L MAGNUS LIFTER

Lift trolleys, cages, and shelf applications

**SESTO**™

# KEY FEATURES



## 300 kg payload

Handles 300 kg in tight environments



## 120 mm Precision Lift

Fast and accurate lifting using dual scissor mechanism



## Laser-Guided Docking

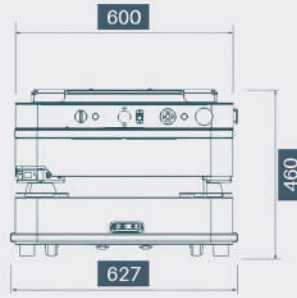
Ensures precise alignment with  $\pm 20$  mm tolerance



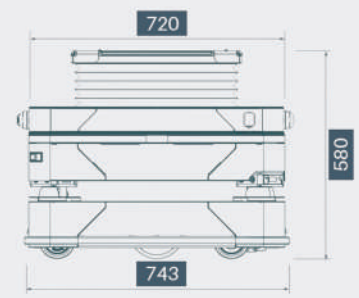
## Bi-directional movement

Moves efficiently in both directions

FRONT VIEW  
(Lifter retracted)



SIDE VIEW  
(Lifter extended)



ISOMETRIC VIEW  
(Lifter extended)



# SPECIFICATIONS

## 01 Lifter Module

Dimensions	720mm (L) × 600mm (W) × 110mm (H)
Weight	30 kg
Safe Working Load	300 kg (inclusive of trolley weight)
Lifting Stroke	120 mm
Lift Time	10 sec
Lifting Mechanism	Dual scissor arm
Noise Level	<70 dB @ 1.5 m
Service Life	5 years

## 03 Performance & Mobility

Dimensions	800mm (L) × 860mm (W) × 530mm (H)
Weight	35 kg
Maximum Load	250 kg
Alignment Features	Undermounted tapered guides for lifting platform alignment
Casters	Front fixed casters; Rear swivel casters with brake & lock
Mounting Fixtures	M8 mounting holes for payload configuration

## 06 Environmental Conditions

Operating Temperature	+10°C to +45°C
Storage & Transport Temperature	0°C to +50°C
Operating Humidity	35% to 85%

## 02 AMR Performance (Lifter + Base)

Combined Dimensions (Extended)	820mm (L) × 860mm (W) × 580mm (H)
Total Height with Cart Adaptor	Retracted: 530 mm; Extended: 580 mm
Runtime (300 kg load)	7-10 hours
Gradient Capability	3° (CG ≤ 1.15 m at full lift height), with CG of the load not exceeding 1.15m from ground level at fully lifted height

## 04 Docking & Alignment

Docking Method	Laser guidance via cart adaptor legs
Positional Tolerance	$\pm 20$ mm, $\pm 3^\circ$
Trolley Alignment Sensors	Reflector-based proximity sensors
Trolley Presence Sensors	Limit switches on lifting plate

## 05 Safety & Control

Emergency Stop	Lifter and drive Interlocked buttons (front & back)
Auxiliary Lifter Control	Auto / Manual selector for lifter control
Brake Release	Latching brake release for drive motors. AMR moveable via attached trolley. External power input for brake release

## 07 Standards

Standards	EN / ISO 3691-4, EN 1175-1, EN 12895, EN 60204-1, EN ISO 13849-1, EN 61000-6-7, EN 61000-6-2
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