

MP400L

Magnus Base AMR 400



Basic parameters

Navigation type	Laser SLAM
L x W x H	958.20 x 588 x 182 mm
Rotation diameter	1004 mm
Weight (with battery)	100 kg
Maximum load capacity	400 kg
Chassis ground clearance	20 mm
Navigation laser scanning height	196.5 mm
Ambient temperature and humidity range	TEMP: 0°C to 50°C / RH: 10% to 90%, no compression, no condensation

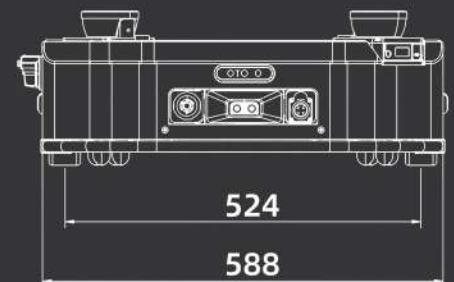
Performance parameters

Passability (slope / step / gap)	≤5% / 5 mm / 30 mm
Minimum aisle width	728 mm
Navigation position accuracy	±5 mm
Navigation angle accuracy	±0.5°
Driving speed	≤1.5 m/s



Battery parameters

Battery specifications	48 V / 23 Ah (lithium iron phosphate)
Comprehensive battery life	8 h
Charging time (10% to 80%)	≤1 h
Charging method	Manual / Automatic



Configurations

Lidar number	2 (SICK HV)
E-stop button	●
Speaker	●
Ambient lamp	●
Basic functions	●
Wi-Fi roaming	●
Automatic charging	●

Function Configurations

Shelf recognition	●
Laser reflector navigation	●
3D obstacle avoidance	●
Precise positioning with QR code	●

Function Configurations

ISO 3691-4	●
EMC	●
UN38.3	●

