

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 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	●
Function configurations	Basic functions	●
	Wi-Fi roaming	●
	Automatic charging	●
	Shelf recognition	●
	Laser reflector navigation	○
	3D obstacle avoidance	●
Certifications	Precise positioning with QR code	○
	ISO 3691-4	●
	EMC	●
	UN38.3	●

