



Safety SEER BaseAMR 400 SBA-400EU

CE Certification, Ultra-Thin Vehicle Body



CE Certification, Safety Guaranteed

It has obtained the CE safety directive certification (ISO 3691-4:2023), providing users with the highest level of quality and safety guarantee, and perfectly matching various safety vehicle manufacturing requirements.



Dynamic Perception, Real-time Adjustment

Equipped with a SEER safety controller, safety laser (multiple switchable field sets), and double safety encoders, real-time perception of running status enables real-time adjustment of the avoidance range, making the vehicle run more accurately, safely, and efficiently.



182 mm Ultra-Thin Body, Compatible with Multiple Upper Mechanisms

The ultra-thin body height is 182 mm (excluding the laser), with abundant reserved interfaces such as I/O, CAN, and RS485. It perfectly adapts to various upper mechanisms and can meet the expansion applications of various robots.



Dual Lasers + 3D Camera, Accuracy up to ± 5 mm

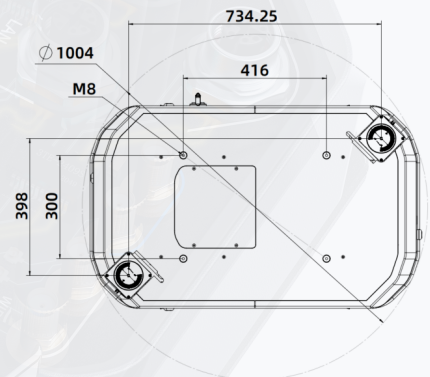
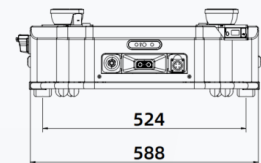
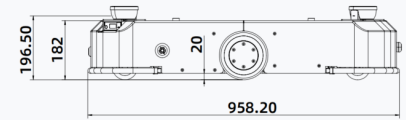
The front and rear are equipped with diagonal lasers and 3D obstacle avoidance cameras (up to two 3D cameras can be supported) for the detection of low obstacles. It supports navigation methods such as laser SLAM, QR codes, reflector plates, and NFL, and can achieve high-accuracy positioning within ± 2 mm to ± 5 mm.



Comprehensive System Software, Powerful Empowerment

Based on the complete set of system software of SEER Robotics, the deployment, scheduling, operation, and information management of AMRs throughout the factory can be effortlessly accomplished. Moreover, it can be seamlessly integrated with the factory's MES system, making the entire process operation more seamless.

● Standard ○ Optional



	Product model	SBA-400EU
	Navigation type	Laser SLAM
	L x W x H	958.20 x 631.4 x 182 mm (37.72 x 24.86 x 7.17 in)
	Rotation diameter	1004 mm
Basic parameters	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
	Passability (slope / step / gap)	≤5% / 5 mm / 30 mm
	Minimum aisle width	771.4 mm (30.37 in)
Performance parameters	Navigation position accuracy	±5 mm
	Navigation angle accuracy	±0.5°
	Driving speed	≤1.5 m/s
	Battery specifications	48 V / 23 Ah (lithium iron phosphate)
	Comprehensive battery life	8 h
Battery parameters	Charging time (10% to 80%)	≤1 h
	Charging method	Manual / Automatic
	Lidar number	2 (SICK HV)
Configurations	E-stop button	●
	Speaker	●
	Ambient lamp	●
	Basic functions	●
Function configurations	Wi-Fi roaming	●
	Automatic charging	●
	Shelf recognition	●
	Laser reflector navigation	○
	3D obstacle avoidance	●
	Precise positioning with QR code	○
	ISO 3691-4	●
Certifications	EMC	●
	UN38.3	●
	Global series	Yes
	Product series	SEER Base AMR

