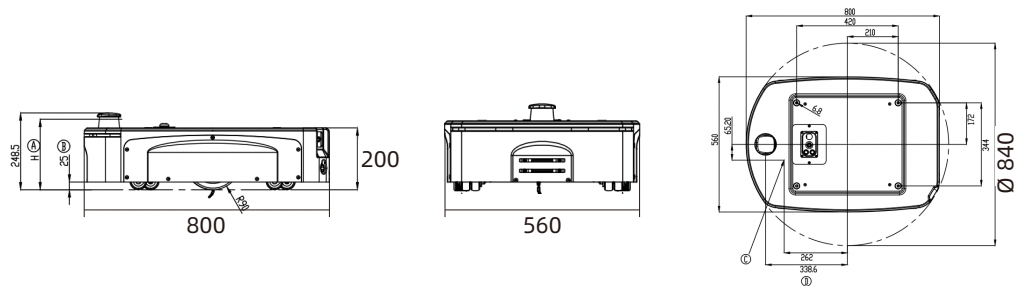
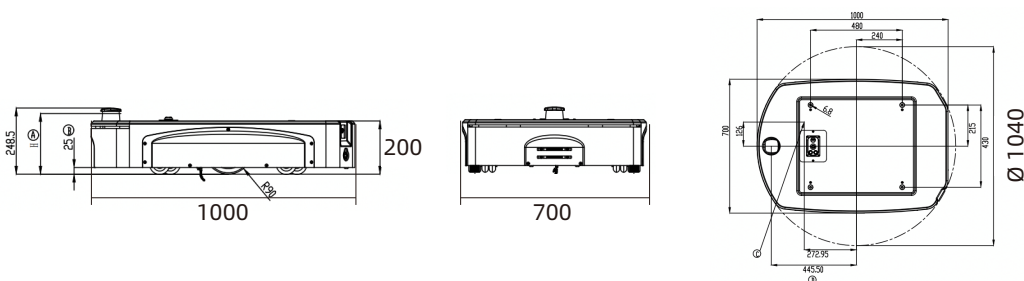


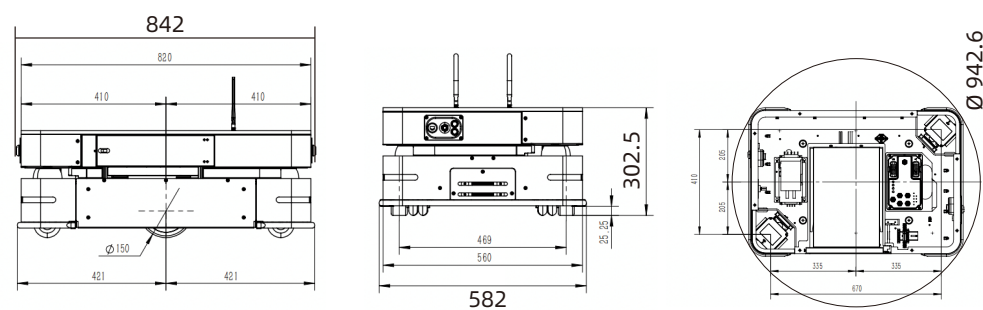
AMB-150 (2023)



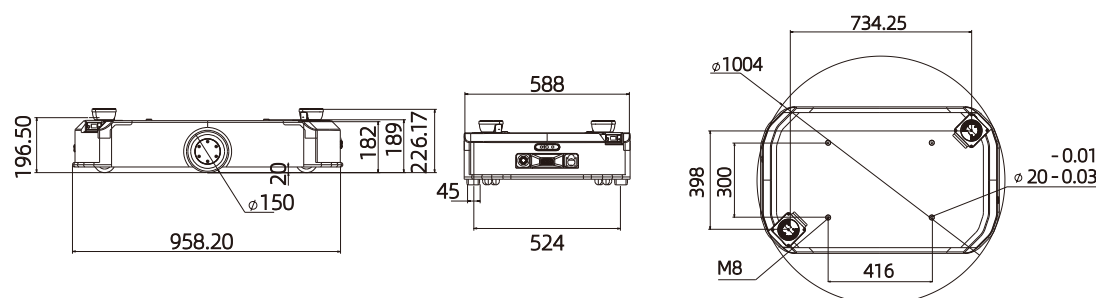
AMB-300 (2023)



AMB-300XS



SBA-400EU



SEER Robotics Base AMR

Universal AMR Chassis, Flexible Expansion



Flagship Universal Platform, Flexible Extension Capabilities

The flagship series AMR chassis boasts leading positioning and navigation technology, as well as motion control performance. Equipped with mainstream interfaces such as RS485 and I/O, satisfying the development of upper mechanisms like lifting assembly, roller assembly, manipulator, traction, and pan-tilt unit, offering unlimited potential.



Dual Lasers+3D camera, Higher Safety Factor

The dual-laser configuration at the front and rear enables 360° protection of the entire vehicle. It supports the optional 3D camera for detecting pits and obstacles to ensure safe movement. Contact bumper strips are equipped at the front and rear for immediate halt upon impact.





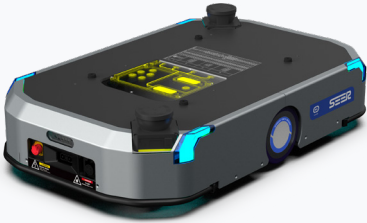
Hybrid Navigation, Positioning Accuracy up to ± 5 mm

The positioning accuracy can reach up to ± 2 mm~ ± 5 mm, supporting SLAM, QR code, and reflector navigation, and the corresponding navigation solutions can be matched according to the scenario needs.



Multiple Load Capacity Levels and High Cost-effectiveness, Premier Choice for AMR-building

The chassis series covers the load capacity range of 150 kg to 400 kg, features a universal AMR-building platform with ultra-high cost performance and is the perfect partner for customers to build various mobile robots.

<div>● Standard ○ Optional - None</div>		<div></div>		<div></div>	<div></div>
Product model		AMB-150 (2023) / AMB-300 (2023)		AMB-300XS	SBA-400EU
Basic parameters	Navigation type	Laser SLAM		Laser SLAM	Laser SLAM
	L x W x H	800 x 560 x 200 mm 、 1000 x 700 x 200 mm		842 x 582 x 302.5 mm	958.20 x 588 x 182 mm
	Rotation diameter	840 mm / 1040 mm		972.6 mm	1004 mm
	Weight (with battery)	66 kg / 144 kg		120 kg	100 kg
	Maximum load capacity	150 kg / 300 kg		300 kg	400 kg
	Chassis ground clearance	25 mm		27 mm	20 mm
	Navigation laser scanning height	228 mm (P+F) 215 mm (H1)		185.43 mm	196.5 mm
Ambient temperature and humidity range		TEMP: 0°C to 50°C / RH: 10% to 90%, no compression, no condensation		TEMP: 0°C to 50°C / RH: 10% to 90%, no compression, no condensation	TEMP: 0°C to 50°C / RH: 10% to 90%, no compression, no condensation
Performance parameters	Passability (slope / step / gap)	≤5% / 5 mm / 10 mm 、 ≤5% / 5 mm / 30 mm		≤5% / 5 mm / 30 mm	≤5% / 5 mm / 30 mm
	Minimum aisle width	700 mm / 840 mm		722 mm	728 mm
	Navigation position accuracy	±5 mm		±5 mm	±5 mm
	Navigation angle accuracy	±0.5°		±0.5°	±0.5°
	Driving speed	≤1.4 m/s		≤1.5 m/s	≤1.5 m/s
Battery parameters	Battery specifications	48 V / 25 Ah (lithium iron phosphate) 、 48 V / 40 Ah (lithium iron phosphate)		48 V / 40 Ah (ternary lithium)	48 V / 23 Ah (lithium iron phosphate)
	Comprehensive battery life	12 h		12 h	8 h
	Charging time (10% to 80%)	≤1 h / ≤1.5 h		≤2.5 h	≤1 h
	Charging method	Manual / Automatic / Fast battery swap		Manual / Automatic / Fast battery swap	Manual / Automatic
Configurations	Lidar number	1 (P+F / H1) or 2 (P+F / H1)		2 (SICK nanoScan3)	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	●		-	●
	Cleanliness	- / ISO Class 4		ISO Class 4	-
Global series		Yes		Yes	Yes
Product series		SEER Base AMR		SEER Base AMR	SEER Base AMR