



PRODUCT DATASHEET / CLEANING ROBOTS

SCL-AWG50

autonomous cleaning robot

Automated floor scrubbing and dry dust collection in factories and warehouses. SCL-AWG50 uses Laser SLAM navigation, a 500 mm cleaning width and a cleaning rate of up to 1800 m²/h.



Cleaning rate

up to 1800 m²/h

Cleaning width

500 mm

Water tanks

34 L + 34 L

Matched to your process

Prepare the area in m², floor material, facility layout and required cleaning schedule.



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Technical specifications

Cleaning and performance

Specification	Value
Cleaning width	500 mm
Dry dust-pushing width	670 mm
Cleaning rate	up to 1800 m ² /h
Clean-water tank	34 L
Wastewater tank	34 L
Cleaning distance along the edge	10-20 cm
Suitable floors	Tile, concrete, stone, terrazzo, epoxy

Dimensions and operating conditions

Specification	Value
Nominal dimensions (L × W × H)	900 × 676 × 1080 mm
Weight	140 ± 10 kg
Minimum aisle width	900 mm
Travel speed	3.6 km/h
Route slope	< 8°
Noise level	< 70 dB(A)



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Technical specifications

Navigation and system integration

Specification	Value
Navigation	Laser SLAM
Connectivity	Ethernet / Wi-Fi
Obstacle detection	3D camera and laser sensors
Protective functions described by the manufacturer	Obstacle avoidance, stopping and fall prevention
Maximum braking distance	< 20 cm; depends on the floor material
Dispatch system listed by the manufacturer	SEER RDS; integration scope to be agreed

Battery and service station

Specification	Value
Battery	24 V / 50 Ah, LiFePO4
Charging time	1 h
Runtime - dust collection	8-10 h
Runtime - mopping	2-4 h
Station functions	Charging, clean-water refilling and wastewater discharge; configuration to be agreed



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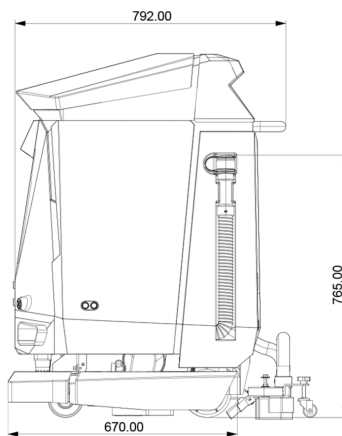
Robot dimensions

Dimensions in mm. Read the drawings according to their numerical labels.

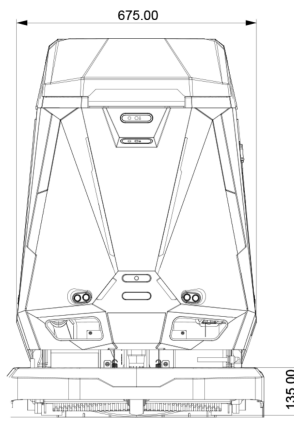
The manufacturer's table gives nominal dimensions of $900 \times 676 \times 1080$ mm. The drawings contain different reference dimensions, including 675 and 1062 mm. Confirm the selected configuration's envelope before designing routes or a station; the 3D preview is not an installation drawing.

Specifications are taken from the manufacturer's datasheet. Cleaning rate and runtime depend on conditions, dirt and the schedule. Station availability and equipment are confirmed in the quotation.

Left side



Front



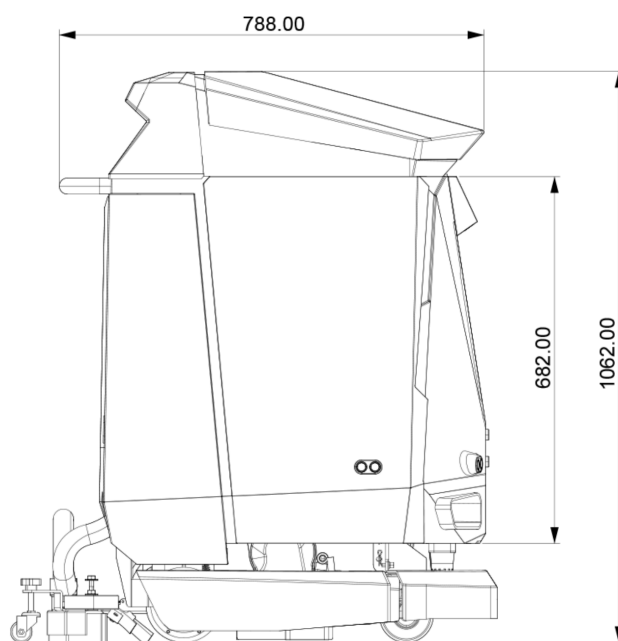


SCL-AWG50 / PRODUCT DATASHEET

Robot dimensions

Dimensions in mm. Read the drawings according to their numerical labels.

Right side



Front



Left side

View the model and available materials at agv.inovatica.com.

SCL-AWG50 | Product datasheet

5 / 5