

# Bear AMR robot



# Product Specifications

## Robot

Item	Specification
Dimensions	21.1 x 22.4 x 59.3 in (537 x 570 x 1507 mm)
Screen size	7 in
Weight	121.3 lbs (55 kg)
Tray dimensions	19.7 x 15.7 in (500 x 400 mm)
Number of trays	3 (depends on optional purchase)
Load capacity	max. 220.5 lbs (100 kg)
Sensors	2D LiDAR, 3D depth sensor, IMU
Drive speed	Safe drive condition - up to 2.6 ft/s (0.8 m/s) (max. 3.9 ft/s (1.2 m/s))
Power voltage	25.4 V
Battery type	Lithium ion battery
Battery capacity	42 Ah
Continuous drive	Average of 8 – 11 hours
Charging time	2-3 hours
Recommended environmental conditions	Operating temperature: 50 – 95 °F (10 – 35 °C) Operating humidity: 10 – 80%
Driving bump height	Maximum bump height: 0.3 in (7 mm) Safe drive bump: 0.2 in (5 mm)
Driving tilt angle	5 degrees of gradient

## Charger

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Item	Specification
Dimensions	7.2 x 3.7 x 1.9 in (182.7 x 96 x 49 mm)
Power voltage	AC input: AC 90 – 264 V Free volt, frequencies of 47 – 63 Hz DC output: Factory setting Vfloat 29.2 V
Power consumption	Up to 364.8 W
Recommended environmental conditions	Operating temperature: -22 – 158 °F (-30 – 70 °C) Storage temperature: -40 – 185 °F (-40 – 85 °C)