

Variants & Specifications–Novus Carry Series

AUTONOMOUS MOBILE ROBOT – AMR

DESCRIPTIONS		AMR 100	
Payload		Capability	
Maximum payload	100kg(220lbs)	Maximum speed	1m/s(2.2mph)
Dimensions/chassis		Required aisle width (one way traffic)	1050mm or as per standard
Length	850mm(33.4in)	Required aisle width (two way traffic)	2100mm or as per standard
Width	550mm(21.6in)	Positioning accuracy (moving to position)	±50mm
Height	368mm(14.4in)	Positioning accuracy (docking)	±10mm
Ground clearance	35mm	Maximum incline/decline	2% pass over
Weight	240kg		
Energy System		Environment	
Battery type	Lithium Ion	Ambient temperature range, operation	5 to 50 °C
Voltage	24V DC	Humidity	10 to 90% non-condensing
Battery capacity	54Ah	IP rating	IP-21
Active operation time with maximum payload	6 hours	Floor conditions	1.5% evenness
Active operation time with no payload	10 hours		
Charging current	30A CCCV	Technology	
Charge Time	~120 minutes	Wi-Fi	2.4 GHz 802.11 g/n, 5 GHz 802.11 a/n/ac
Battery Life	2000 cycles standard 3000 cycles optional	Interfaces	USB, Ethernet, WiFi, LTE
Charging Options	Charging Options	Navigation	Natural
		Localization	3D LiDar
Safety System			
Safety sensors	360° safety coverage with multiple laser area sensors		
E-Stops	Available, four sides		
Signal and status lights	Available, for audio & visual alarms		
Design Standards			
International standards	ISO 3691-4, EN-1525, ISO 13849		