



PRIMARY APPLICATIONS

Assembly - Flexible build-line conveyance

Kitting - Collection of parts for assembly

Staging - Lineside delivery of components

Transfer - Loading dock to warehouse

KEY FEATURES

1

Industrial-grade construction

Reinforced and welded steel structure provides strength and stability for heavy duty drive steering units

2

Natural Feature Navigation

BlueBotics™ technology package for best-in-class navigation in complex plant environments

3

Safety-rated performance

Equipped with safety-rated scanners and zone programming to avoid collisions while minimizing false positives

4

Industry-standard components

Powered by Allen-Bradley PLC, Proface HMI, and Keyence laser scanner that are familiar to every plant team



ATTACHMENTS

Robots



Top-deck and companion frame mounted options

Frames



Standard and custom designed load frames for application-specific payloads

Trunnions



Rotate product 360 degrees for operator access and ergonomics

Conveyors



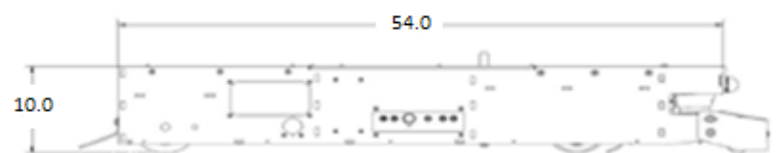
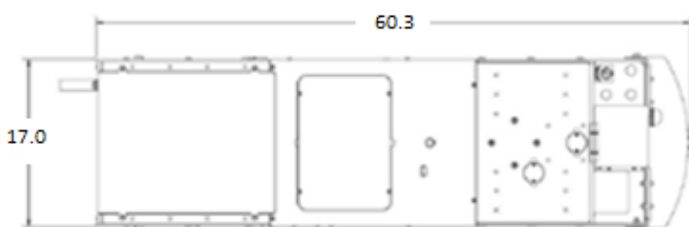
Power-rollers to interface with facility conveyor systems

Lifts



Scissor lifts to pick up, drop off, and elevate product to ergonomic work heights

Size and Weight	Dimensions	50.25 x 17 x 10 in. (1,276 x 432 x 254 mm)
	Mass	500 lbs (227 kg)
Speed and Performance	Maximum Speed	150 feet per minute (0.76 m/s)
	Maximum Acceleration	30 in/s ² (0.76 m/s ²)
	Maximum Deceleration	-30 in/s ² (0.76 m/s ²)
	Minimum Turn Radius	39 inches / wheelbase
	Positional Accuracy	+/- 0.5 inches (13 mm)
	On-Deck Load Capacity	500 lbs (227 kg)
	Towing Load Capacity	1,500 lbs (680 kg)
Power and Charging	Drive Voltage	24 VDC
	Drive Power	250 W
	Battery Capacity	62 Ah
	Plug-in Charging	25 A on-board standard
	Automatic Charging	40 A standard (higher available)
Control and Communication	Control Hardware	Microprocessor (MPU) or Allen-Bradley CompactLogix
	User Input Interface	Proface HMI, program port, control pendant
	Communication	Radio (900 MHz or 2.4 GHz), WiFi (5 GHz), UWB
	Audio / Visual	Programmable sound module, LED indicator light
	Traffic Control	Cart-to-Cart RF and/or Master Control Panel (MCP)
	Configurable I/O	12in/8out (MPU), 6in/8out (PLC), expandable
Environmental Requirements	Plant Data / IIoT Connectivity	Compatible with Ignition, FactoryTalk, and ThingWorx
	Temperature Range	45 to 95 F (7 to 35 C)
	Humidity Range	25% to 95%, non-condensing
	Floor Vertical Cracks/Gaps	0.25 in. (6 mm) max.
	Floor Horizontal Cracks/Gaps	0.25 in. (6 mm) max.
	Floor Flatness	1.5 degree and 1/2 in. within 5 ft.
	Floor Friction	0.6 static coefficient min., no loose debris
	Floor Conductivity	Static Dissipative, <5 x 10 ⁷ Ω



Note: Actual AGV weight and performance values will vary by application and AGV configuration. Listed technical specifications for reference only. [Please e-mail RFQ@ECKHARTUSA.COM](mailto:RFQ@ECKHARTUSA.COM) for more detailed application engineering.