

Skylark

Technical Specifications

Hotel Robots Upgraded with AI and Modularity



Skylark is a single chassis with **interchangeable modules**, powered by **AI**.



Chassis	
Size	14.5" H * 19.2" L * 16.8" W
Weight	132 lbs
Sensors	LiDAR, RGB, Ultrasonic, Infrared
Operating Time	24/7
Max Payload	155 lbs (Including Module)
Narrowest Passing Distance	21.6"
Traversable Floor Types	All
Max Incline/Decline	13° (ADA Ramp Compliant)
Max Traversable Height Barrier	0.8"
Max Traversable Gap Width	1.6"
Elevator Enabled	Yes
Automatic Door Enabled	Yes
Telephone Enabled	Yes
Drive Directions	Forward, Backward, Rotational
Positional Accuracy	0-6" Horizontal, 3°-8° Rotational
Indoor/Outdoor Use	Indoor
Mapping	Areas, Paths, Points of Interest
Multiple Maps	Storage & Switching
Battery Type	Lithium
Recharge Time (0-100%)	< 3 hrs
Charge Type	Standard Outlet
Battery Life (hard floors/soft carpets)	12 hrs/6 hrs
Connectivity	4G Mobile Router and/or WiFi
Interface	WeChat Applet, Cloud Interface

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Cleaning Module

Size	22.8" H * 27.6" L * 17.7" W
Weight (chassis + module)	200 lbs
Cleaning Modes	Vacuum, Sweep, Scrub
Operating Speed	1.3 ft/s
Cleaning Efficiency	980-1640 ft ² /h
Operating Noise	< 75 dB
Cleaning Proximity to Wall	< 1"
Air Filtration	H12 HEPA
Cleaning Motor	50,000 RPM Brushless
Brush Type	Anti-tangle Nylon
Dust Bag	2 Gallon Replaceable Bag
Water Tank	1 Gallon Tank
Garbage Collection	0.2 Gallon Tray
Battery Life	3 hrs
Interface	Cloud Interface



Delivery Module

Size	38.2" H * 21.3" L * 17.7" W
Weight (chassis + module)	200 lbs
Payload	66 lbs
Compartment Dimensions	9.8" H * 12.2" L * 12.5" W each
Compartment Volume	6.6 Gallons each
Operating Speed	2.5-4.5 ft/s
Smart Vending Machine Compatible	Yes
Battery Life	8 hrs
Interface	10.1" Touchscreen