



ALPHAROBOTICS SOLUTIONS
SMART TECH. HUMAN TOUCH

AlphaRobotics Vacuum 40

Commercial Robotic Vacuum Cleaner for All Indoor Scenarios

Expert Carpet Care — Fresh Air Everywhere

VACUUM

SWEEP

DUST
MOP



Low Pile
Carpet

High Pile
Carpet

Hardwood

Ceramic

PVC

24 kPa powerful suction, H13 HEPA filtration and an optional scenting & humidifying diffuser kit.



Operational Overview & Applications

The AlphaRobotics Vacuum 40 is a commercial robotic vacuum cleaner for all indoor scenarios. Its 3-in-1 solution integrates vacuuming, sweeping and dust mopping, with three carpet cleaning modes — light, medium and deep — to accommodate various carpet pile heights. An optional diffuser kit adds scenting or humidifying for a pleasant and customizable atmosphere.



24 kPa

Powerful suction

3 h / 18 h

Max. runtime —
vacuuming / mopping

3 gal | 12 L

Dust bag capacity

Ideal Environments

Low Pile
Carpet

High Pile
Carpet

Hardwood

Ceramic

PVC

Core Operating Value

All-pile carpet care

Light, medium and deep carpet cleaning modes accommodate various carpet pile heights effectively.

H13 HEPA filtration

Medical-grade air purification for superior air quality and cleanliness.

Scenting & humidifying

The optional multi-purpose diffuser kit creates a pleasant and customizable atmosphere.



Key Technology Features

Ultimate cleaning power with air purification for every indoor scenario.

24 kPa Powerful Suction

Provides exceptional suction strength, effortlessly picking up fine dust and debris.

All-Pile Expert Carpet Care

Three carpet cleaning modes — light, medium and deep — accommodate various carpet pile heights effectively.

3-in-1 Solution

Integrates vacuuming, sweeping and dust mopping in a single solution.

H13 HEPA Filter

Medical-grade air purification for superior air quality and cleanliness.

Multi-Purpose Diffuser Kit

An optional diffuser kit for scenting or humidifying, creating a pleasant and customizable atmosphere.

Zero-Distance Edge Cleaning

Able to clean along the edges at zero distance, leaving the edges spot-free.





Safety Systems & Maintenance

Multi-sensor safety with easy-maintenance, service-friendly design.

Multi-Sensor Safety

LiDAR, 3D depth camera, RGB camera, anti-drop sensor and air pressure collision sensor safeguard people and furniture.

Easy-Maintenance Components

An auto-lowering roller brush for quick replacement and optional disposable dust bags for efficient waste management.

Docking Station

Optional charging dock for self-docking power charging keeps the robot ready for every shift.

H13 HEPA Filtration

Medical-grade air purification maintains superior air quality while the robot cleans.





Complete Specification Matrix

Manufacturer specifications preserved in dual units — imperial and metric.

PARAMETER	TECHNICAL VALUE
GENERAL SPECIFICATIONS	
Dimension (L×W×H)	31.5 × 27 × 35 in 800 × 690 × 890 mm; with Diffuser Kit: 32 × 27 × 39 in 810 × 690 × 990 mm
Net Weight	201 lb 91 kg; with Diffuser Kit: 214 lb 97 kg
Cleaning Width (with side brushes)	28 in 720 mm
Practical Cleaning Efficiency	4,306–8,611 ft ² /h 400–800 m ² /h
Max. Cleaning Efficiency (Theoretical)	24,757 ft ² /h 2,300 m ² /h
Max. Air Flow Volume	120 m ³ /h
Max. Runtime	Vacuuming: 3 h; Mopping: 18 h
Charging Time	2.5 h
Trash Tray Capacity	0.6 gal 2.5 L
Dust Bag Capacity	3 gal 12 L
Edge Cleaning Capability	0–0.7 in 0–20 mm
Gradeability	8°
Min. Pass Width	31.5 in 800 mm
Min. U-turn Width	43 in 1,100 mm
Max. Cleaning Speed	2 mph 0.9 m/s
Sensor System	LiDAR, 3D Depth Camera, RGB Camera, Anti-Drop Sensor, Air Pressure Collision Sensor
DIFFUSER KIT (OPTIONAL)	
Atomization Type	Humidifying: Ultrasonic atomization Scenting: Air-Assisted Atomization
Max. Atomization	Humidifying: 0.29 gal/h 1.1 L/h Scenting: 0.002 gal/h 6 mL/h
Container Capacity	Humidifying: 1.06 gal 4 L Scenting: 0.13 gal 500 mL
Recommended Fillers	Humidifying: Distilled water, etc. Scenting: Essential Oil

Note: The specifications are derived from manufacturer lab test results; actual performance data may vary in specific applications.



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AlphaRobotics Vacuum 40

The Reliable, Hassle-free Robots You Can Trust



Leading the New Era of Cleaning Robotics

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Smart Tech. Human Touch.