



Powerful motors lift embedded dirt and debris that other systems miss. Carpets look better and last longer.



**Welcome to the future of floor care:**



360-degree sensors allow Intellibot to operate autonomously. Just prep, point and go.



No special training is required. The icon-based touchscreen prompts users through all functions, regardless of language or skill level.



Large capacity vacuum bag and dual filters are easily accessible and can work a 4-hour shift without replacement.



Side brush assures that carpets are cleaned consistently up to the wall.



Communicates with operator and generates detailed reports including login time, end of shift and areas cleaned.



AeroBot is quiet, generating only 65 dBA during normal operation.



Intellibot offers three floor-cleaning robots featuring G10 technology, intelligence mapping, eco-friendly water reclamation, and superior surface cleaning. No other floor cleaning option provides all of these benefits.

## The Future of Floor Care

# aeroBOT

## specifications

### INTELLIGENT FEATURES

<b>Main Computer</b>	Monitors all functions; commands robot to perform stored cleaning routes
<b>Drive Subsystem</b>	Monitors and controls the robot's movement and position
<b>Controls</b>	Manual and autonomous
<b>Navigation</b>	15 sensors provide a complete, 360-degree view around robot
<b>Front Touch Shield</b>	Full width, black ABS, touch-sensitive shield provides immediate braking
<b>Rear Touch Shield</b>	Full width, black ABS, touch-sensitive shield provides immediate braking
<b>Security</b>	User-specific password protection to prevent unauthorized use
<b>Safety Systems</b>	Sonar obstacle detection, infrared floor sensors, touch shields, emergency stop button

### VACUUM RECOVERY SYSTEM

<b>Tank Volume</b>	10 gal (38 liters)
<b>Airflow Speed</b>	67.8 CFM
<b>Motor Type</b>	24 VDC, 1/2 HP, two-stage tangential bypass
<b>Vacuum Type</b>	45.8" H <sub>2</sub> O sealed vacuum

### CLEANING HEAD

<b>Brush Head</b>	Carbon-impregnated bristles, herringbone pattern
<b>Brush RPM</b>	1390 RPM
<b>Brush Width</b>	28" (71.12 cm)
<b>Brush Diameter</b>	4.5" (11.43 cm)
<b>Side Broom Diameter</b>	12" at 90 RPM

### DRIVE SYSTEM

<b>Drive Motors</b>	Two 24 VDC precision motors, built-in encoders, high traction tread
<b>Brush Drive Motors</b>	One 24 VDC, .5 HP, 1800 RPM, permanent magnet type, belt drive

### PRODUCTION

<b>Cleaning Rate*</b>	10,230 sq ft (950.40 sq m) per hour (avg.)
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### BATTERY SYSTEM

<b>Battery</b>	Sealed gel cell deep cycle, 180 AH, 24 VDC output
<b>Run Time</b>	Approximately four hours
<b>Optional Exchange Kit</b>	Run time can be doubled with battery exchange kit that requires no heavy lifting
<b>Charger Unit</b>	20 amp, 24 VDC output, 115 VAC input with automatic shutoff

### CONSTRUCTION

<b>Frame</b>	Powder-coated 5052 aluminum and stainless steel
<b>Exterior</b>	High-density, molded, seamless polyethylene
<b>Machine Length</b>	50" (127 cm)
<b>Machine Height</b>	43" (109.22 cm)
<b>Machine Width</b>	34.5" (87.63 cm)
<b>Machine Weight</b>	607 lbs.

### ENVIRONMENT

<b>Temperature</b>	59° to 86° F (15° to 30° C) operation, -22° to 140° F (-30° to 60° C) storage
<b>Humidity</b>	20% to 75% relative humidity
<b>Noise</b>	65 dBA normal operation



\* Cleaning rate may vary, depending on environment