

Technical specifications*

Kas
by Avidbots®



Kas	Cleaning Head Size/Type	22" Disc	
Physical	Length	944 mm / 37.2 in	
	Width	674 mm / 26.5 in	
	Height	1230 mm / 48.4 in	
	Gross Vehicle Weight (GVW)	257 kg / 567 lb	
	Empty Weight	165 kg / 364 lb	
Cleaning	Working Scrubbing Path Width	553 mm / 21.8 in	
	Total Pad / Brush Diameter	559 mm / 22 in	
	Nominal Pad / Brush Diameter	279 mm / 11 in	
	Squeegee Assembly Width	630 mm / 24.8 in	
	Nominal Cleaning Head Applied Weight	Up to 40.8kg / 90lbs	
	Rotating Speed of Pads / Brushes	Up to 400 RPM	
	Rated Debris Bin Capacity	N/A	
	Recovery Tank Capacity	50 L / 13.2 gal	
	Solution Tank Capacity	48 L / 12.7 gal	
	Practical Productivity	500-1,000 m² /hr	
	Max.Theoretical Performance	2,200 m² /hr	
Avidbots Autonomy	Proprietary Avidbots Autonomy operating for productivity and advanced safety		
	Navigation capabilities by width	U-turn	1.55m / 61"
		Aisle pass-through	1.05m / 41"
	Maximum Working Mode Speed	4 km/h / 2.5 mph	
	Maximum Scrubbing Grade	3% / 1.7°	
Visual	Color-changing status indicator lights, turn indicators, amber strobe lights, front headlights, rear brake light, and front lights		

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Electrical	Rated Operating Voltage	24 VDC
	Battery Format	LFP, 4.8kWh
	Typical Battery Run-Time	3+ hours
Sensing	2D sensors	Two 2D infrared lidar sensors with full autonomous range of motion FOV
	3D sensors	Three 3D infrared sensors with full autonomous range of motion FOV
	Cliff sensors	Four 1D infrared lidar sensors with full autonomous range of motion FOV
	RGB sensors	Two front, two side, one rear, and one top RGB visual sensor

Why Avidbots?

Buying an Avidbots robot isn't just buying a floor scrubber. It's investing in a technological future that can redefine your cleaning function, making it more productive, more cost effective, and easier to run. More importantly, our robotics and AI technology open up new opportunities to make your business even more successful. We realize this isn't just about buying a product, or a technology, or even a business proposition. You want to buy into a trusted partner who can take you into the future of automated operations using cutting-edge robotics. At Avidbots, we work side-by-side with our customers to earn that trust and realize all the benefits that robotics can bring them.

Our commercial-strength floor scrubbers for medium and large-sized spaces empower organizations and their workers. We recognize that various environments have different needs, and our industry-focused solutions maximize cleaning productivity in each unique environment. Neo, Neo 2W, and Kas improve the quality and consistency of floor cleaning with cutting-edge technology and software, delivering commercial-grade results. Expanding humanity's potential through robotics and automation, our family of cleaning robots allow organizations to reach their goals, with cleanliness a cornerstone of a brighter future.



About us

Avidbots is a robotics company with a vision to make robots ubiquitous to unlock humanity's potential with a hyperfocus on autonomous cleaning. Our groundbreaking product, the Neo fully autonomous floor scrubbing robot, is deployed around the world and trusted by leading facilities and building service companies. Headquartered in Kitchener, ON, Canada, Avidbots is offering comprehensive service and support to customers on five continents.

Contact us

Avidbots Corp
45 Washburn Drive
Kitchener, ON N2R 1S1
Canada

sales@avidbots.com
[+1-855-928-4326](tel:+18559284326)

Avidbots Chicago
5400 Newport Drive STE 7
Rolling Meadows, IL 60008
United States of America

