

# Technical specifications\*

**Kas**  
by Avidbots®



|   |   |   |                    |
|---|---|---|--------------------|
| Kas                                     | <b>Cleaning Head Size/Type</b>  | <b>22" Disc</b>   |                    |
| Physical                                | <b>Length</b>   | <b>944 mm / 37.2 in</b>   |                    |
|   | <b>Width</b>  | <b>674 mm / 26.5 in</b>   |                    |
|   | <b>Height</b>   | <b>1230 mm / 48.4 in</b>  |                    |
|   | <b>Gross Vehicle Weight (GVW)</b>   | <b>257 kg / 567 lb</b>  |                    |
|   | <b>Empty Weight</b>   | <b>165 kg / 364 lb</b>  |                    |
| Cleaning                                | <b>Working Scrubbing Path Width</b>   | <b>553 mm / 21.8 in</b>   |                    |
|   | <b>Total Pad / Brush Diameter</b>   | <b>559 mm / 22 in</b>   |                    |
|   | <b>Nominal Pad / Brush Diameter</b>   | <b>279 mm / 11 in</b>   |                    |
|   | <b>Squeegee Assembly Width</b>  | <b>630 mm / 24.8 in</b>   |                    |
|   | <b>Nominal Cleaning Head Applied Weight</b>   | <b>Up to 40.8kg / 90lbs</b>   |                    |
|   | <b>Rotating Speed of Pads / Brushes</b>   | <b>Up to 400 RPM</b>  |                    |
|   | <b>Rated Debris Bin Capacity</b>  | <b>N/A</b>  |                    |
|   | <b>Recovery Tank Capacity</b>   | <b>45 L / 11.9 gal</b>  |                    |
|   | <b>Solution Tank Capacity</b>   | <b>46 L / 12.2 gal</b>  |                    |
|   | <b>Practical Productivity</b>   | <b>500-1,000 m<sup>2</sup> /hr</b>  |                    |
|   | <b>Max.Theoretical Performance</b>  | <b>2,200 m<sup>2</sup> /hr</b>  |                    |
|   | Avidbots Autonomy   | <b>Proprietary Avidbots Autonomy operating for productivity and advanced safety</b> |                    |
| <b>Navigation capabilities by width</b> |   | U-turn  | <b>1.55m / 61"</b> |
|   |   | Aisle pass-through  | <b>1.05m / 41"</b> |
| <b>Maximum Working Mode Speed</b>       |   | <b>4 km/h / 2.5 mph</b>   |                    |
| <b>Maximum Scrubbing Grade</b>          |   | <b>3% / 1.7°</b>  |                    |
| Visual                                  | <b>Color-changing status indicator lights, turn indicators, amber strobe lights, front headlights, rear brake light, and front lights</b> |   |                    |

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

## 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

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