

Neo™

VERSION 2.0

Disc Cleaning Head Technical Specifications



Avidbots®

Neo 2.0 Technical Specifications

PHYSICAL	26" DISC	32" DISC
Length	1,516 mm / 59.7 in	1,516 mm / 59.7 in
Width	760 mm / 29.9 in	891 mm / 35.1 in
Height	1,374 mm / 53.1 in	1,374 mm / 53.1 in
Gross Vehicle Weight (GVW)	661 kg / 1,457 lbs*	669 kg / 1,474 lbs*
Empty Weight	283 kg / 624 lbs	291 kg / 641 lbs
CLEANING	26" DISC	32" DISC
Total Pad / Brush Width	660 mm / 26 in	822 mm / 32 in
Nominal Pad / Brush Diameter	330 mm / 13 in	411 mm / 16 in
Squeegee Assembly Width	907 mm / 35.7 in	1,066 mm / 42.0 in
Nominal Cleaning Head Applied Weight		
Level 1	Up to 30 kg (65 lb)	Up to 32 kg (71 lb)
Level 2	Up to 41 kg (90 lb)	Up to 58 kg (128 lb)
Level 3	Up to 53 kg (117 lb)	Up to 87 kg (193 lb)
Rotating Speed of Pads, Brushes and Brooms	350 RPM	350 RPM
Recovery Tank Capacity	135 L / 35.7 gal	135 L / 35.7 gal
Solution Tank Capacity	109 L / 28.8 gal	109 L / 28.8 gal
Maximum Theoretical Productivity	3,120 m ² /hr 33,583 ft ² /hr	3,850 m ² /hr 41,432 ft ² /hr
VACUUM	26" DISC	32" DISC
Vacuum Suction	15 kPa / 60.5 inH2O	15 kPa / 60.5 inH2O
MOVEMENT	26" DISC	32" DISC
Minimum Aisle Turn-Around Width (Autonomous)	3.05 m (120 in)**	3.05 m (120 in)**
Maximum Working Mode Speed	4.9 km/h / 3.0 mph	4.9 km/h / 3.0 mph
Maximum Scrubbing Grade	3% / 2°	3% / 2°

*Includes batteries, and full cleaning solution tank

**Typical; refer to Aisle Width Guidelines document for details

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AUDIO	26" DISC	32" DISC
Operating Sound Pressure Level	75 dB(A)	75 dB(A)
Maximum Audio System Sound Pressure Level	83 dB(A)	83 dB(A)

VISUAL	Color-changing status indicator light, turn indicators, amber strobe light, front headlights, rear brake lights and the Blue Light.	
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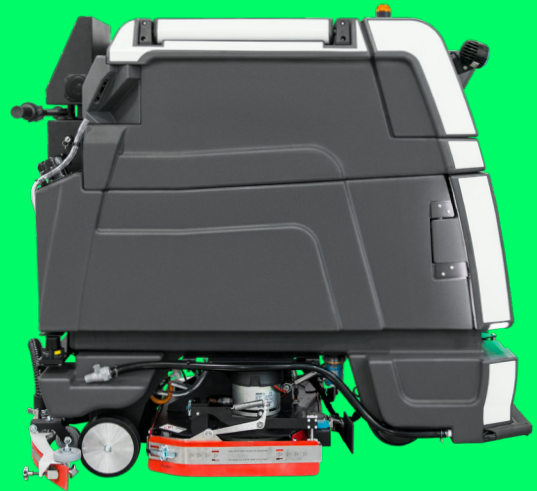
ELECTRICAL	26" DISC	32" DISC
Rated Operating Voltage	36 VDC	36 VDC
Battery Format	AGM, 250 Ah @ 20h, Qty 6, 6V each	AGM, 250 Ah @ 20h, Qty 6, 6V each
Calculated Nominal Current Consumption	30 A	30 A
Typical Battery Run-Time	4 – 6 hours	4 – 6 hours
Rated Power Input	3,700 W / 4.96 hp	3,700 W / 4.16 hp
Motor specifications		
Drive	36V, 500 W / 0.67 hp	36V, 500 W / 0.67 hp
Cleaning Head	36V, 750 W / 1.00 hp	36V, 750 W / 1.00 hp
Vacuum	36V, 565 W / 0.76 hp	36V, 565 W / 0.76 hp

ENVIRONMENTAL	26" DISC	32" DISC
Ambient Humidity	5% – 85%	5% – 85%
Operating Temperature	5°C – 35°C / 41°F – 95°F	5°C – 35°C / 41°F – 95°F
Storage Temperature	-20°C – 50°C / -4°F – 122°F	-20°C – 50°C / -4°F – 122°F

SENSING	26" DISC	32" DISC
2-D Lidar Range	20 m / 65.6 ft	20 m / 65.6 ft
Lidar FOV	360°	360°
Lidar Height	385 mm / 15.2 in	385 mm / 15.2 in
3-D Sensor Range	3 m / 9.8 ft	3 m / 9.8 ft

Why Avidbots?

Buying an Avidbots Neo 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.



About Us

Avidbots is a robotics company with a vision to bring robotic solutions into everyday life to increase organizational productivity and to do that better than any other company in the world. Our groundbreaking product, the Neo 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 5 continents.

Contact us now for a meeting

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