



SPEED SCRUB® 500

Walk-Behind Floor Scrubber



Reliable, effective cleaning results. Anytime. Every time.

The Speed Scrub® 500

Cost Effective & Versatile.

- Clean virtually any hard surface condition with a wide range of cleaning options, including orbital.
- Save time and money on battery maintenance and help increase battery performance with optional Smart-Fill™ on-board automatic battery watering system paired with IRIS® Asset Manager.

It's easy.

- Spend less time training and maintaining, and more time cleaning, with simple controls and yellow touch points for easy maintenance.

Reliable Performance.

- Evenly and effectively remove floor finish with high orbital down-pressure and durable isolators.
- Extend machine life and reduce costs with durable components.



Five features for smart, dependable cleaning

1. Smart-Fill™

Maximize battery productivity with exclusive patent-pending Smart-Fill™ technology, an optional on-board, virtually no-hassle battery watering system.



2. Three scrub head options

Clean virtually any hard surface condition with 3 scrub head options, including a 28 in / 700 mm orbital cleaning head.



3. Redesigned squeegee

Reduce risk of slips and falls with redesigned squeegee and integrated P-trap that improves water pick-up and prevents water drips after cleaning.

Built to be **tough**. Made to be **easy**.

EXCLUSIVE TECHNOLOGIES

(optional cleaning innovations)

SMART-FILL™ AUTOMATIC BATTERY WATERING

Smart-Fill is the first on-board battery watering system that automatically fills batteries correctly, at the best time in the charging cycle and with minimal human intervention, making battery maintenance easy and virtually worry-free.

Smart-Fill technology prevents operators from using scrubbing functions on dry batteries and an on-board control panel alert notifies operators when the distilled water tank is low.



ec-H2O NanoClean® technology electrically converted water is created by an on-board e-cell that generates millions of very tiny microscopic bubbles known as nanobubbles that promote the cleaning efficacy of the solution.

This next generation solution offers the same great benefits of the first generation and now cleans better and cleans more soils in more applications. The name NanoClean, refers to the generation of nano-scale bubbles that are an important part of the cleaning mechanism.[†]

ec-H2O NanoClean technology increases scrub time up to three times using a single tank of water.

[†]ec-H2O NanoClean technology is not suitable for all soils, including heavy concentrations of fats and oils. Depending on the type of soil, conventional chemical cleaners may be required.

4. Improved operator ergonomics.

Updated control panel puts propel direction switch, speed settings, down pressure settings and water flow settings all within easy reach.



5. Increase productivity, reduce cost to clean and make informed decisions with intelligent insights from the optional IRIS® Asset Manager.





SPEED SCRUB® 500 WALK-BEHIND FLOOR SCRUBBER

	DUAL DISK			CYLINDRICAL	ORBITAL
	26 / 650 MM	28 IN / 700 MM	32 IN / 800 MM	28 IN / 700 MM	28 IN / 710 MM
Productivity (per hour) Theoretical Max	28,600 ft²/hr / 2,657 m²/hr	30,800 ft²/hr / 2,861 m²/h	35,200 ft²/hr / 3,270 m²/hr	30,800 ft²/hr / 2,861 m²/h	30,800 ft²/hr / 2,861 m²/hr
Estimated Coverage* - Conventional	20,571 ft²/hr / 1,911 m²/hr	22,286 ft²/hr / 2,070 m²/h	25,714 ft²/hr / 2,389 m²/hr	22,286 ft²/hr / 2,070 m²/h	22,286 ft²/hr / 2,070 m²/h
Estimated Coverage* - ec-H2O NanoClean®	23,124 ft²/hr / 2,148 m²/hr	23,680 ft²/hr / 2,200 m²/hr	27,323 ft²/hr / 2,538 m²/hr	23,680 ft²/hr / 2,200 m²/hr	23,680 ft²/hr / 2,200 m²/hr
BRUSH DRIVE SYSTEM					
Scrub motor	2x 24 VDC, 0.75 hp / 0.55 kW	2x 24 VDC, 0.75 hp / 0.55 kW	2x 24 VDC, 0.75 hp / 0.55 kW	2x 24 VDC, 0.63 hp / 0.47 kW	24 VDC, 0.75 hp / 0.55 kW
Brush Pad RPM	220 rpm	220 rpm	220 rpm	1500 rpm	2200 rpm
Brush down pressure	Low: 65 lbs / 29.5 kg High: 120 lbs / 54.5 kg	70 lbs / 32 kg 120 lbs / 54.5 kg	75 lbs / 34 kg 120 lbs / 54.5 kg	85 lbs / 38.5 kg 120 lbs / 54.5 kg	110 lbs / 50 kg 170 lbs / 77 kg
SOLUTION/RECOVERY SYSTEM					
Solution tank capacity	22.5 gal / 85 L	22.5 gal / 85 L	22.5 gal / 85 L	22.5 gal / 85 L	22.5 gal / 85 L
Recovery tank capacity	27 gal / 102 L	27 gal / 102 L	27 gal / 102 L	27 gal / 102 L	27 gal / 102 L
Vacuum motor	24 VDC, 0.46 hp / 0.34 kW	24 VDC, 0.46 hp / 0.34 kW	24 VDC, 0.46 hp / 0.34 kW	24 VDC, 0.46 hp / 0.34 kW	24 VDC, 0.46 hp / 0.34 kW
Vacuum water lift	34 in / 864 mm	34 in / 864 mm	34 in / 864 mm	34 in / 864 mm	34 in / 864 mm
CLEANING TECHNOLOGY					
Conventional	Standard	Standard	Standard	Standard	Standard
ec-H2O NanoClean	Optional	Optional	Optional	Optional	Optional
BATTERY SYSTEM					
System Voltage	24 volt	24 volt	24 volt	24 volt	24 volt
Battery Types - 4 required					
Wet 225AH	Standard	Standard	Standard	Standard	Standard
Wet 260AH	Optional	Optional	Optional	Optional	Optional
Sealed AGM 220A	Optional	Optional	Optional	Optional	Optional
Battery run time (up-to hours)**	4.5	4.5	4.2	3.6	4.0
On-board or off-board charger	Standard	Standard	Standard	Standard	Standard
Smart-Fill™ Automatic Battery Watering					
Tank Capacity (Option)	0.66 gal / 2.5 L	0.66 gal / 2.5 L	0.66 gal / 2.5 L	0.66 gal / 2.5 L	0.66 gal / 2.5L
PROPELLING SYSTEM					
Scrubbing speed	2.5 mph / 4.0 kph	2.5 mph / 4.0 kph	2.5 mph / 4.0 kph	2.5 mph / 4.0 kph	Low down pressure: 2.5 mph / 4.0 kph High down pressure: 2.3 mph / 3.7 kph
Transport speed	2.7 mph / 4.3 kph	2.7 mph / 4.3 kph	2.7 mph / 4.3 kph	2.7 mph / 4.3 kph	2.7 mph / 4.3 kph
MACHINE SPECIFICATIONS					
Length	58.5 in / 1,486 mm	59.1 in / 1,501 mm	61.1 in / 1,552 mm	59.1 in / 1,501 mm	58.5 in / 1,486 mm
Width	27.5 in / 700 mm	29.5 in / 750 mm	33.5 in / 850 mm	30.7 in / 780 mm	28.0 in / 710 mm
Height	43.3 in / 1,100 mm	43.3 in / 1,100 mm	43.3 in / 1,100 mm	43.3 in / 1,100 mm	43.3 in / 1,100 mm
Squeegee width	38.3 in / 973 mm	41.3 in / 1,049 mm	46.6 in / 1,234 mm	46.6 in / 1,234 mm	41.3 in / 1,049 mm
Aisle turnaround width	59 in / 1,499 mm	59.6 in / 1,514 mm	61.6 in / 1,565 mm	59.6 in / 1,514 mm	59 in / 1,499 mm
Weight (without batteries)	320 lbs / 145 kg	330 lbs / 150 kg	355 lbs / 161 kg	370 lbs / 168 kg	370 lbs / 168 kg
Weight (with batteries)	610 lbs / 277 kg	620 lbs / 281 kg	645 lbs / 293 kg	660 lbs / 299 kg	660 lbs / 299 kg
GVW	800 lbs / 363 kg	810 lbs / 367 kg	835 lbs / 379 kg	850 lbs / 386 kg	850 lbs / 386 kg
Sound level (operator's ear)***	67.4 dBA	67.4 dBA	67.4 dBA	68.3 dBA	66.9 dBA
WARRANTY					
See your local representative for warranty information					



ec-H2O NanoClean™ technology is NFSI (National Floor Safety Institute) Certified



ec-H2O NanoClean technology is registered by NSF International

* Estimated coverage rates use the practical speed and empty/fill time standards from the 2004 ISSA Cleaning Times handbook.
 ** Up to run-times are based on continuous scrubbing run-times, 260AH batteries, low down pressure, ec-H2O off.
 *** Sound levels per ISO 11201 as recommended by the American Association of Cleaning Equipment Manufacturers & OSHA.

Specifications subject to change without notice.

Engineered by Tennant Company, the Speed Scrub® 500 is the smart, reliable choice for your no-nonsense cleaning needs.

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