



CREATING A CLEANER, SAFER, HEALTHIER WORLD.



T500e

WALK-BEHIND FLOOR SCRUBBER

- Exclusive Smart-Fill™ automatic battery watering system
- Reduce costs to clean, increase productivity, and simplify operator training with the T500e's innovative technologies

IMPROVE THE EFFECTIVENESS OF YOUR CLEANING RESOURCES, INVESTMENTS, AND OPERATIONS WITH A NEW SUITE OF TECHNOLOGIES



- **Reduce costs to clean, increase productivity, and simplify operator training** with the T500e's suite of innovative technologies, such as optional ec-H2O NanoClean® technology, IRIS® Asset Manager, or Smart-Fill™ automatic battery watering.
- **Effectively remove floor finish** without expensive stripping chemicals and improve cleaning performance with the orbital cleaning head option, featuring optimal down pressure and high RPMs.
- **Reduce risk of slips and falls** with a redesigned squeegee and integrated p-trap that improves water pick up and prevents water from dripping on the floor after cleaning.
- **Reduce the risk of contact with dirty recovery water** and decrease the need for secondary cleaning operations caused from spills with optional flow control valve.
- **Charge batteries safely** with the lid closed with on-board charger fan and integrated venting.
- **Help prevent breakdowns** and simplify preventative maintenance and training requirements with yellow touch points.

INNOVATIVE, EXCLUSIVE TECHNOLOGIES

SMART-FILL™ AUTOMATIC BATTERY WATERING

Smart-Fill™ makes battery maintenance safer by removing the task of checking, opening, and filling flooded batteries.



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



ec-H2O NanoClean® technology **electrically** converts water into an innovative cleaning solution that cleans effectively, saves money, improves safety, and reduces environmental impact compared to daily cleaning floor chemicals and methods.†

†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.

INSIDE THE T500e

Easily clean tanks to help reduce mold, bacteria, and other contaminants

Optional ec-H2O NanoClean® technology helps minimize water consumption

Easily fill your machine with an accessible port up front

Quickly and ergonomically install disk pads and brushes with Insta-Fit™ and gimbal mount heads



Improve operator ergonomics with propel direction switch and speed settings within easy reach

Easily and ergonomically lower and raise the foot activated squeegee

Virtually eliminate water drips after cleaning with an integrated p-trap

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

Orbital scrubbing is ideal for daily cleaning or chemical-free floor finish removal.

TENNANTTRUE® PARTS, SERVICE AND FINANCE SOLUTIONS

- Reduce rework, labor and safety costs by using only TennantTrue parts and service.
- Leverage the knowledge and experience of over 40 factory-direct Tennant service representatives that utilize only TennantTrue parts to ensure optimal cleaning performance.
- Select from a wide range of factory-direct service plans designed to meet your cleaning equipment needs – whether that includes peace of mind and budget control, speed of response or uptime.
- Simplify budgeting by bundling TennantTrue service plans, including parts, into the purchase or financing of your machine.



T500e WALK-BEHIND FLOOR SCRUBBER

SCRUBBING SYSTEM	DUAL DISK			CYLINDRICAL	ORBITAL
	650 MM	700 MM	800 MM	700 MM	710 MM
Productivity (per hour) Theoretical Max	2,657 m ² /hr	2,861 m ² /h	3,270 m ² /hr	2,861 m ² /h	2,601 m ² /hr
Estimated Coverage* – Conventional	1,911 m ² /hr	2,070 m ² /h	2,389 m ² /hr	2,070 m ² /h	1,882 m ² /hr
Estimated Coverage* – ec-H ₂ O NanoClean®	2,148 m ² /hr	2,200 m ² /hr	2,538 m ² /hr	2,200 m ² /hr	2,000 m ² /hr
BRUSH DRIVE SYSTEM					
Scrub motor	2x 24 VDC, 0.55 kW	2x 24 VDC, 0.55 kW	2x 24 VDC, 0.55 kW	2x 24 VDC, 0.47 kW	24 VDC, 0.55 kW
Brush Pad RPM	220 rpm	220 rpm	220 rpm	1500 rpm	2200 rpm
Brush down pressure	Low:	29.5 kg	32 kg	34 kg	38.5 kg
	High:	54.5 kg	54.5 kg	54.5 kg	54.5 kg
SOLUTION/RECOVERY SYSTEM					
Solution tank capacity	85 L	85 L	85 L	85 L	85 L
Recovery tank capacity	102 L	102 L	102 L	102 L	102 L
Vacuum motor	24 VDC, 0.34 kW	24 VDC, 0.34 kW	24 VDC, 0.34 kW	24 VDC, 0.34 kW	24 VDC, 0.34 kW
Vacuum water lift	864 mm	864 mm	864 mm	864 mm	864 mm
CLEANING TECHNOLOGY					
Conventional	Standard	Standard	Standard	Standard	Standard
ec-H ₂ O 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 Wet 260AH (up-to hours)**	4.5	4.5	4.2	3.6	4
On-board or off-board charger	Standard	Standard	Standard	Standard	Standard
Smart-Fill™ Automatic Battery Watering					
Tank Capacity (Option)	2.5 L	2.5 L	2.5 L	2.5 L	2.5 L
PROPELLING SYSTEM					
Scrubbing speed	4.0 kph	4.0 kph	4.0 kph	4.0 kph	3.7 kph
Transport speed	4.3 kph	4.3 kph	4.3 kph	4.3 kph	4.3 kph
MACHINE SPECIFICATIONS					
Length	1,486 mm	1,501 mm	1,552 mm	1,501 mm	1,486 mm
Width	700 mm	750 mm	850 mm	780 mm	710 mm
Height	1,100 mm	1,100 mm	1,100 mm	1,100 mm	1,100 mm
Squeegee width	973 mm	1,049 mm	1,234 mm	1,234 mm	1,049 mm
Aisle turnaround width	1,499 mm	1,514 mm	1,565 mm	1,514 mm	1,499 mm
Weight (without batteries)	145 kg	150 kg	161 kg	168 kg	168 kg
Weight (with batteries)	277 kg	281 kg	293 kg	299 kg	299 kg
GVW	363 kg	367 kg	379 kg	386 kg	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					

* 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.



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



ec-H₂O NanoClean technology is registered by NSF International