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T12 and T16 vs Nilfisk SC6000 ... Talking Points

Benefit Group		Tennant T12	Nilfisk SC6000	Tennant T16
Key Specs	• Scrub Path	32" (810mm) 41" (1,040mm) w/ Side Brush	34" (860mm) Disk 36" (910mm) Cylindrical 40" (1,020mm) Disk	36" (910mm) 45" (1,140mm) w / Scrubbing Side Brush 46" (1,160mm) w/ Sweeping Side Brush (cyl. Only)
	• Scrub Tech	Disk/Cylindrical	Disk/Cylindrical	Disk/Cylindrical
	• Solution Tech	ec-H2O™ and Conventional	EcoFlex™ and SmartFlow™	ec-H2O™, ES™ and Conventional
	• Tank Capacity	Sol = 35g/132L, Recovery = 44g/167L, Demister = 9g/34L	Sol = 50g/190L, Recovery = 50g/190L	Sol = 50g/190L, Recovery = 60g/228L, Demister = 10g/38L
Reduce Cost to Clean	Designed for Productivity	ec-H2O™ Technology (option) ec-H2O Technology reduces cost and risk of chemicals while still achieving cleaning results <u>without chemicals</u> .	EcoFlex™ A detergent metering system that can burst extra water and detergent if you need it EcoFlex™ = Chemical	ec-H2O™ Technology (option) ec-H2O Technology reduces cost and risk of chemicals while still achieving cleaning results <u>without chemicals</u> .
		ES® is not available on the T12	SmartFlow™ Automatically reduces solution flow based on machine speed SmartFlow™ = Chemical	ES® (Extended Scrub) Technology (option): maximize cleaning productivity by extending cleaning time. Filters and recycles solution to extend and increase productivity up to 3 hours on a tank of water. Has detergent metering
		Battery Capacity: 36V, 240AH to 36V, 360AH	Battery Capacity: 36V, 310AH to 36V, 420AH	Battery Capacity: 36V, 235AH to 36V, 360AH
		Scrubbing Side Brush (option) T12 SB retracts on impact and located at front of unit	Side Brush (option) Sweeping only, only available on cylindrical; does not retract on impact Dust Guard (option) available	Scrubbing and Sweeping Side Brush (option) T16 has a sweeping and scrubbing SB that retracts on impact and located at front of unit
		Vac Wand/Spray Nozzle (option) The T12 wand is ready for use without assembly	Vac Wand/Spray Nozzle (option) Wand is ready for use without assembly	Vac Wand/Spray Nozzle (option) The T16 wand is ready for use without assembly
		Economy Mode The T12 economy mode allows the unit to adjust performance to applications and reduce wear and tear.	This feature does not seem to be available	Economy Mode The T16 economy mode allows the unit to adjust performance to applications and reduce wear and tear.
	Designed for Durability	HD Front/Rear Protection (options) The T12s protection bolts directly to the steel frame of the unit for heavy duty protection from harsh applications	HD Front Protection (options) No rear protection	HD Front/Rear Protection (options) The T16s protection bolts directly to the steel frame of the unit for heavy duty protection from harsh applications
		Propel Motor AC 1.0 hp / 0.89 kW Propel Motor 5 mph / 8km/h Propel Speed	Propel Motor AC 1.6 hp / 1.2 kW Propel Motor 5.6 mph / 9km/h Propel Speed	Propel Motor AC 1.6 hp / 1.2 kW Propel Motor 5.6 mph / 9km/h Propel Speed
		Brush Scrub Motors Two 1 hp / 0.75 kW Brush Motors Standard	Brush Scrub Motors Two 1 hp / 0.75 kW Brush Motors Standard	Brush Scrub Motors Two 1 hp / 0.75 kW Brush Motors Standard
		Smart Release Squeegee: lower maintenance and repair costs with a squeegee system that prevents damage to the machine upon severe impact	This feature does not seem to be available	Smart Release Squeegee: lower maintenance and repair costs with a squeegee system that prevents damage to the machine upon severe impact

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Health & Safety	Environment	ec-H2O™ Technology (option) (reduce slip and fall, NFSI cert.)	EcoFlex™ and SmartFlow™ (options) Both use chemicals	ec-H2O™ Technology (option) (reduce slip and fall, NFSI cert.)
		Quiet Operation (62-63dBA) T12 runs quietly and can be operated during the day (tested per IEC 60335-2-72 std)	69 dBA	Quiet Operation (68-71 dBA) T16 runs quietly and can be operated during the day
		UL Approved Type E/ES T12 offers both UL Type E and Type ES (optional)	There is not indication that it is UL approved	UL Approved Type E/ES T16 offers both UL Type E and Type ES (optional)
	Operator	Easy Ingress/Egress Both Sides T12 allows for easy egress on either side of the machine	Ingress/Egress only available on the driver's right side You have to step onto the side brush door which can be removed and lost. The door can swing open if not latched shut.	Easy Ingress/Egress Driver's Right Side T16 allows for easy egress on the driver's right side of the machine with a step
		Full Front Shroud Protects operator legs and feet from objects sticking out from walls and racking	No Full Front Shroud Operator's legs are exposed to objects hung on walls or sticking out from racks.	Full Front Shroud Protects operator legs and feet from objects sticking out from walls and racking
		FOPs Certified OHGuard The T12 is built to FOPs Level 1 global standard	OHGuard (option) No indication of testing to any standards	FOPs Certified OHGuard The T16 is built to FOPs Level 1 global standard
Enhance Facility Image	Clean Floors	Scrub Brush Motors Two 1 hp / 0.75 kW Brush Motors Standard	Brush Scrub Motors Two 1 hp / 0.75 kW Brush Motors Standard	Brush Scrub Motors Two 1 hp / 0.75 kW Brush Motors Standard
		Scrub Down Force Disk: 250 lb / 114 kg Cylindrical: 200 lb / 91 kg	This information is not readily available	Scrub Down Force Disk: 250 lb / 114 kg Cylindrical: 200 lb / 91 kg
		Cylindrical Brush Diameter 7 in / 180mm Cylindrical Brush	Cylindrical Brush Diameter 7 in / 180mm Cylindrical Brush	Cylindrical Brush Diameter 8 in / 200mm Cylindrical Brush The T16's large diameter brush allows for more stability in their cleaning system and more aggressive cleaning
		QA Controls Enable a supervisor to manage product functionality and reduce potential for damage	SmartKey™ (option) - a key system that allows certain users to have certain settings on the machine	QA Controls Enable a supervisor to manage product functionality and reduce potential for damage
	Dry Floors	Rear Squeegee: Dura-Track™ parabolic squeegee system for excellent water recovery	Rear Squeegee: dual squeegee system. No quick release so damage may occur when encountering and obstruction.	Rear Squeegee: Dura-Track™ parabolic squeegee system for excellent water recovery
		Water Recovery: 0.8 hp / 0.6 kW	Water Recovery: 0.8 hp / 0.6 kW	Water Recovery: 0.75 hp / 0.56 kW Option: 2 vac fans - 1.5 hp / 1.12 kW

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Ease of Use	Operation	Controls: T12 & T12XP “eyes forward” The T12 controls allow eyes forward operation and are in the direction of travel.	Controls: Located to the left of the steering wheel, partially covered by the wheel, eyes slightly off direction of travel if operating along a wall or racking on the right.	Controls: T16 & T16XP “eyes forward” The T16 controls allow eyes forward operation and are in the direction of travel.
		Operation: 1-Step™ Start Button T12 has one large green button	Operation: Power button located with other buttons on the side of the dash	Operation: 1-Step™ Start Button T16 has one large green button
		Propel/Brake w/Right Foot T12 system is intuitive & functions like an automobile, one foot operation	Propel pedal only, no brake When you take your foot off the propel pedal, the machine slows down No brake = safety concern	Propel/Brake w/Right Foot T16 system is intuitive & functions like an automobile, one foot operation
	Maintenance	Yellow Touch Points T12’s touch points enable easy reference to ensure routine maintenance points are identified.	Yellow Touch Points Copied Tennant's yellow point location	Yellow Touch Points T16’s touch points enable easy reference to ensure routine maintenance points are identified.
		Squeegee Change: Tool free rear (front/back) and side squeegees	Squeegee Change: Tool free rear (front/back) and complex side squeegees	Squeegee Change: Tool free rear (front/back) and side squeegees
		Spray Nozzle: The T12's available spray nozzle greatly simplifies cleanout and doesn't require a water source at the cleanout area	Spray Nozzle: Located on the right side of machine with a hook to hang the nozzle on, can fall off or get knocked off. Restricts how close you can get to the wall when edge cleaning	Spray Nozzle: The T16's available spray nozzle greatly simplifies cleanout and doesn't require a water source at the cleanout area
		Vac Fan Access: Behind panel (4 screws) with no disassembly required	Vac Fan Access: Disassembly required for inspection and removal; 10+ bolts to access vac fan Disassembly = more time to change	Vac Fan Access: Behind panel (4 screws) with no disassembly required
		Battery Maintenance: Simply lift battery cover to inspect and maintain the battery	Battery Maintenance: Lift seat to inspect and maintain the battery, no battery cover	Battery Maintenance: Simply lift battery cover to inspect and maintain the battery

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The float switch is several inches below the top of the recovery tank



Vac fan filter and cover are not tethered to the machine – can be lost easily



7 bolts on top of the machine plus more underneath; you have to remove the light and dark grey parts to access the vac fan



Nozzle can get knocked off or caught on something

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Side step is integrated in the side door. Side door is removal which can be lost and is difficult to put back on



No brake pedal; acceleration and reverse is integrated



Removable gasket, if lost, can create a gap in the vacuum. Gap in vacuum = non-optimal water pickup