

CREATING A CLEANER, SAFER, HEALTHIER WORLD.



M20

INTEGRATED SWEEPER-SCRUBBER

- Effectively clean in just one pass wet or dry with FloorSmart® integrated cleaning system technology
- Achieve excellent cleaning results with ec-H2OTM technology and MaxPro^{2TM} hydraulic technology
- Increase visibility with cab-forward design, open sightlines, and steering-wheel-mounted controls
- Improve the operator and supervisor experience with available Pro-Panel[™] technology

AN INNOVATIVE, HIGH-PERFORMANCE, INTEGRATED SWEEPER-SCRUBBER FOCUSED ON DELIVERING CUSTOMIZED SOLUTIONS TO MEET CUSTOMER NEEDS



THE M20 ADDRESSES YOUR KEY BUSINESS CHALLENGES



REDUCE COST TO CLEAN

• Improve productivity by cleaning in a single pass with FloorSmart® integrated cleaning system technology that combines sweeping and scrubbing functions.



MAINTAIN HEALTH & SAFETY

• Ensure employee safety with a high-capacity, multi-level hydraulic rear hopper that eliminates the need to manually handle debris.



ENHANCE FACILITY IMAGE

• Deliver excellent cleaning results with MaxPro^{2TM} hydraulic technology that provides consistent power to the brush drive motors regardless of floor surface changes.



EASY OPERATION & MAINTENANCE

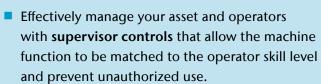
Reduce training and simplify operation with the Touch-n-Go[™] control module featuring 1-Step[™] start button.

INNOVATIVE TECHNOLOGIES



AVAILABLE PRO-PANEL™ TECHNOLOGY REDEFINES THE USER EXPERIENCE

Transform your cleaning operation with Pro-Panel[™] technology – a revolutionary breakthrough in user experience. Pro-Panel[™] technology integrates multiple controls into an intuitive, high-visibility touch screen interface.





- Ensure successful starts with Pro-IDTM operator login that automatically activates the specific operator's personalized cleaning settings and downloadable Pro-CheckTM pre-operation checklists.
- Increase cleaning efficiency with programmable Zone Settings™ that allow you to establish preferred cleaning settings by area of facility.
- Provide operators a view of their cleaning path without having to take their eyes off the direction of travel with **PerformanceView**TM.
- Increase visibility with backup camera featuring colored guidelines that help drivers safely dump debris and avoid objects when in reverse.
- Reduce the need for extensive operator training with on-board,
 on-demand videos.
- Increase machine ease of use with 28 different language options.

ADDITIONAL EXCLUSIVE TECHNOLOGIES

All technologies increase scrub time up to three times using a single tank of water.



ec-H2O[™] 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.









ES® Extended Scrubbing productivity enhancement system recycles cleaning chemicals to increase uptime and improve productivity by scrubbing floors using 66% less chemicals than traditional cleaning methods.

INSIDE THE TO TH

Touch-n-Go™ control module •• with 1-Step™ start button allows easy access to all settings without having to remove hands from wheel

Full front shroud ensures operator leg and foot protection

Corrosion-resistant ... Duramer[™] construction on shrouding and solution and recovery tanks for long life

Front-wheel steering and high-traction tires provide excellent maneuverability in congested spaces

Forward operating position improves operator safety and visibility • • •

Optional ec-H2O[™] technology improves productivity and reduces environmental impact

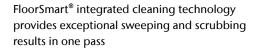
Solution and recovery tanks allow for complete visual inspection and cleanout :

Heavy-gauge steel frame with full wraparound bumper and cushioned rollers help protect machine life

Yellow touch points save time and ensure proper maintenance

Dura-Track[™] parabolic squeegee with SmartRelease[™] improves water pickup and damage resistance

Rugged 18 in/460 mm tires allow easy maneuvering indoors and out



Wet/dry synthetic fiber panel filter with InstantAccess™ provides excellent dust control and shakeback

Scrubbing side brush widens cleaning path up to 54 in/1,370 mm.

Spray hose makes machine spray-down and cleanup quick and easy.

Rear and side steel guards protect squeegee upon impact and prevent it from hooking on to obstacles.













Dura-Track™ Parabolic Squeegee

- Touch-n-Go[™] control module with 1-Step[™] start button allows operators quick access to all settings without removing hands from the steering wheel.
- High-capacity, multi-level hydraulic rear hopper (3.9 ft³/110L | 390 lbs/177 kg) increases cleaning productivity by eliminating the need to manually handle debris.
- Dura-Track[™] parabolic squeegee with
 SmartRelease[™] delivers exceptional water pickup
 and reduces maintenance and replacement parts
 due to squeegee damage.
- Easy-access design offers quick service access and visibility to on-board diagnostics, helping minimize downtime and reduce maintenance costs.
- Cab-forward position and spacious operator compartment provide outstanding visibility, safety and ergonomics to protect operators, the machine and your facility.
- Easy-to-identify yellow maintenance touch points help save time and money in routine maintenance activity.



Easy-Access Design



Yellow Maintenance Touch Points

Safety warning light ensures

Overhead guard protects operators from falling objects.

High-powered pressure washer allows for easy blast-cleaning of hard-to-reach areas.







KEY OPTIONS

TENNANT*TRUE*® PARTS, SERVICE AND FINANCE SOLUTIONS

- Reduce rework, labor and safety costs by using only Tennant*True* parts and service.
- Ensure optimal cleaning performance by selecting a Tennant True Service program provided by a network of over 400 factorytrained Tennant service representatives.
- Improve uptime by leveraging TennantTrue parts and service.
- Simplify budgeting by bundling Tennant*True* service plans, including parts, into the purchase or financing of your machine.



Manage your cleaning program with key performance metrics based on machine data.

Lease. Pre-Owned. Rent. Tennant has flexible options that get you the machines you need, however you need them.

M20 INTEGRATED SWEEPER-SCRUBBER

INTEGRATED CLEANING SYSTEM

Cleaning path	40 in / 1,020 mm
With scrubbing side brush	54 in / 1,370 mm
With sweeping side brush	56 in / 1,420 mm
Cylindrical main brushes	
Brush speed	480 rpm
Brush down pressure (up to)	425 lb / 193 kg
Brush diameter (2)	12 in / 300 mm
Side brush	
Brush speed	150 rpm
Scrubbing brush diameter	16 in / 410 mm
Sweeping brush diameter	21 in / 533 mm
Tanks	
Solution tank	56 gal / 212 L
Solution capacity with ES®	74 gal / 280 L
Recovery tank	73 gal / 276 L
Demisting chamber	16 gal / 61 L
Debris hopper	
Volume capacity	3.9 ft ³ / 110 L
Weight capacity	390 lb / 177 kg
Dump height (variable to)	60 in / 1,520 mm
Vacuum fans	
Scrubbing fan speed	11,000 rpm
Scrubbing fan water lift	35 in / 890 mm
Sweeping fan speed	6,500 rpm

Sweeping fan airflow PROPELLING SYSTEM

Propel speed forward (variable to)	8.0 mph / 12.9 km/h
Propel speed reverse (variable to)	3.0 mph / 4.8 km/h
Engine-gasoline (2.0 L)	·
Gross Intermittent Power*	50.7 hp / 37.8 kW @ 2800 rpm
Tennant Governed Power	40.6 hp / 30.3 kW @ 2300 rpm
Engine-LPG (2.0 L)	
Gross Intermittent Power*	51.6 hp / 38.5 kW @ 2800 rpm
Tennant Governed Power	42.4 hp / 31.6 kW @ 2300 rpm
Engine-diesel (1.5 L)	
Gross Intermittent Power*	24.8 hp / 18.5 kW @2300 rpm
Tennant Governed Power	24.8 hp / 18.5 kW @2300 rpm
Gradeability	
Transport at gross weight	10.0° / 18%
Working (cleaning)	8.0° / 14%
Ground clearance (transport)	3 in / 80 mm

290 cfm / 8.2 m³/min

DUST CONTROL SYSTEM

Filter system	Synthetic fiber panel
Filter area	78 ft² / 7.3 m²
Dust filtration (to)	3 microns @ 99% efficiency
Shaker mechanism (automatic)	Timed, beater bar

MACHINE SPECIFICATIONS

Length	95 in / 2,410 mm
Width	
Frame	50 in / 1,270 mm
Rear squeegee	51 in / 1,300 mm
With side brush	58 in / 1,473 mm
Height	58 in / 1,473 mm
With overhead guard	83.5 in / 2,120 mm
Weight (empty)	3,300 lb / 1,497 kg
Minimum aisle turn	110 in / 2,790 mm

WARRANTY

See your local representative for warranty information.

*Per SAE J1995

Specifications subject to change without notice.

SEEING IS BELIEVING

For a demonstration or additional information, call +1.800.553.8033 or email info@tennantco.com

Tennant 701 North Lilac Drive Minneapolis, MN 55422 USA

USA/Canada: +1.800.553.8033 Quebec: +1.800.361.9050 Overseas: +1.763.540.1315

www.tennantco.com info@tennantco.com