



CREATING A CLEANER, SAFER, HEALTHIER WORLD.

EQUIPMENT



# 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-H2O™ technology and MaxPro<sup>2</sup>™ 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<sup>2</sup>™ 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



Pro-ID™

Pro-Check™

PerformanceView™

Backup Camera

Multiple Languages

### 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.



- Effectively manage your asset and operators with **supervisor controls** that allow the machine function to be matched to the operator skill level and prevent unauthorized use.
- Ensure successful starts with **Pro-ID™** operator login that automatically activates the specific operator's personalized cleaning settings and downloadable **Pro-Check™** 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™**.
- 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.

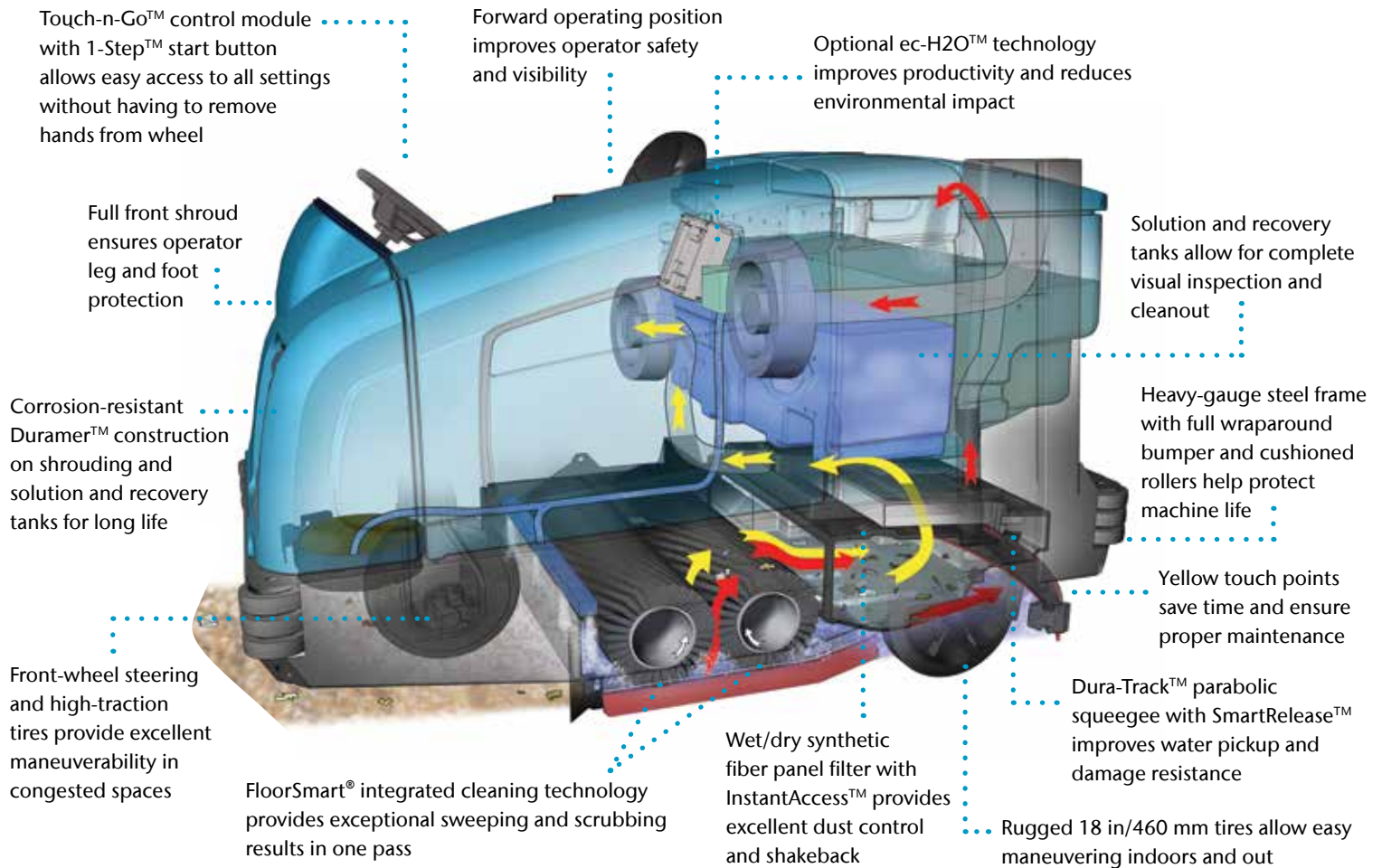


\* Based on a study by EcoForm™. Visit [www.tennantco.com](http://www.tennantco.com) for more information.



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 M20



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.

KEY OPTIONS



## ENGINEERED FOR PRODUCTIVITY



Touch-n-Go™ Control Module



Hydraulic Rear Hopper



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



Operator Compartment



Yellow Maintenance Touch Points

Overhead guard protects operators from falling objects.

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

Safety warning light ensures awareness of machine during operation.

KEY OPTIONS



- Reduce rework, labor and safety costs by using only TennantTrue parts and service.
- Ensure optimal cleaning performance by selecting a TennantTrue Service program provided by a network of over 400 factory-trained Tennant service representatives.
- Improve uptime by leveraging TennantTrue parts and service.
- Simplify budgeting by bundling TennantTrue 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 ft³ / 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        | 290 cfm / 8.2 m³/min |

### 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                 |

### 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,  
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