



CREATING A CLEANER, SAFER, HEALTHIER WORLD.



M20

INTEGRATED SCRUBBER-SWEEPER

- Outstanding cleaning results in just one pass – wet or dry – with FloorSmart® technology
- Improve productivity with ec-H2O™ or FaST® technology for cleaning up to three times longer than conventional scrubbing methods
- Low cost of ownership from fully-integrated, cost-efficient design

OUTSTANDING CLEANING RESULTS AT A LOW COST OF OWNERSHIP



The first fully-integrated scrubber-sweeper, the M20 is engineered for consistent, industrial-strength cleaning whether scrubbing, sweeping or doing both at once.

DRAMATICALLY LOWER COST OF OWNERSHIP

Without compromising safety or performance, we've reduced the lifecycle cost of ownership for machines that both scrub and sweep. With two brushes instead of four, EasyOpen™ service access, and 14% fewer parts, the M20 is one of the most cost-efficient industrial cleaning machines available.

DURABLE, RELIABLE, LONG-LIFE PRODUCTIVITY

The M20 is not two separate machines bolted together like traditional sweeper-scrubbers. Its integrated design, combined with rugged steel and Duramer™ construction, make it simple to maintain and built-to-last.

SAFE FOR OPERATORS, CUSTOMERS, AND EMPLOYEES

The ErgoSpace™ operator compartment, ec-H2O™ or FaST® technology, Hygenic® tanks and Grip-N-Go™ corner rollers to protect your facility are just a few of the ways the M20 sets a new standard for safety.

COMPARE M20 TO COMPETITIVE SWEEPER-SCRUBBERS



INCREASE SAFETY

- **FaST® Foam Scrubbing Technology** – NFSI certified to increase traction
- **ErgoSpace™** – improves visibility and response time to obstacles
- **Thermo-Sentry™** – preventative fire safety
- **Grip-N-Go™** – Corner rollers to protect your facility and machine
- **Underwriter's Laboratory (UL) Certified**

REDUCED COSTS

- **ec-H2O™ technology** – reduces training, purchasing, storing, handling, mixing tasks and costs associated with floor cleaning chemicals
- **FloorSmart®** – one pass cleaning, wet or dry
- **On-board diagnostics** – quick and easy diagnostics
- **SmartRelease™** – reduces replacement parts due to squeegee damage

MAXIMUM PRODUCTIVITY

- **ES® Extend Scrubbing with detergent metering** – recycles cleaning chemicals to increase uptime
- **Front-wheel steering** – Tight handling, easy maneuvering
- **EasyOpen™** – service access for quick maintenance and maximum uptime
- **Wet/dry synthetic fiber panel filter** – Outstanding dust control, excellent shake-back, and high durability
- **Touch-N-Go™** – Intuitive control panel remembers last settings, reduced training time
- **Hygenic® tanks** – Less downtime, easy access to tanks for cleaning and sanitization
- **Variable Drain Valves™** – Control the flow of water leaving both tanks with less mess

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.



FaST Foam Scrubbing Technology uses up to 70% less water and 90% less chemicals to improve floor traction as certified by NFSI, helping reduce the risk of slip and fall accidents.

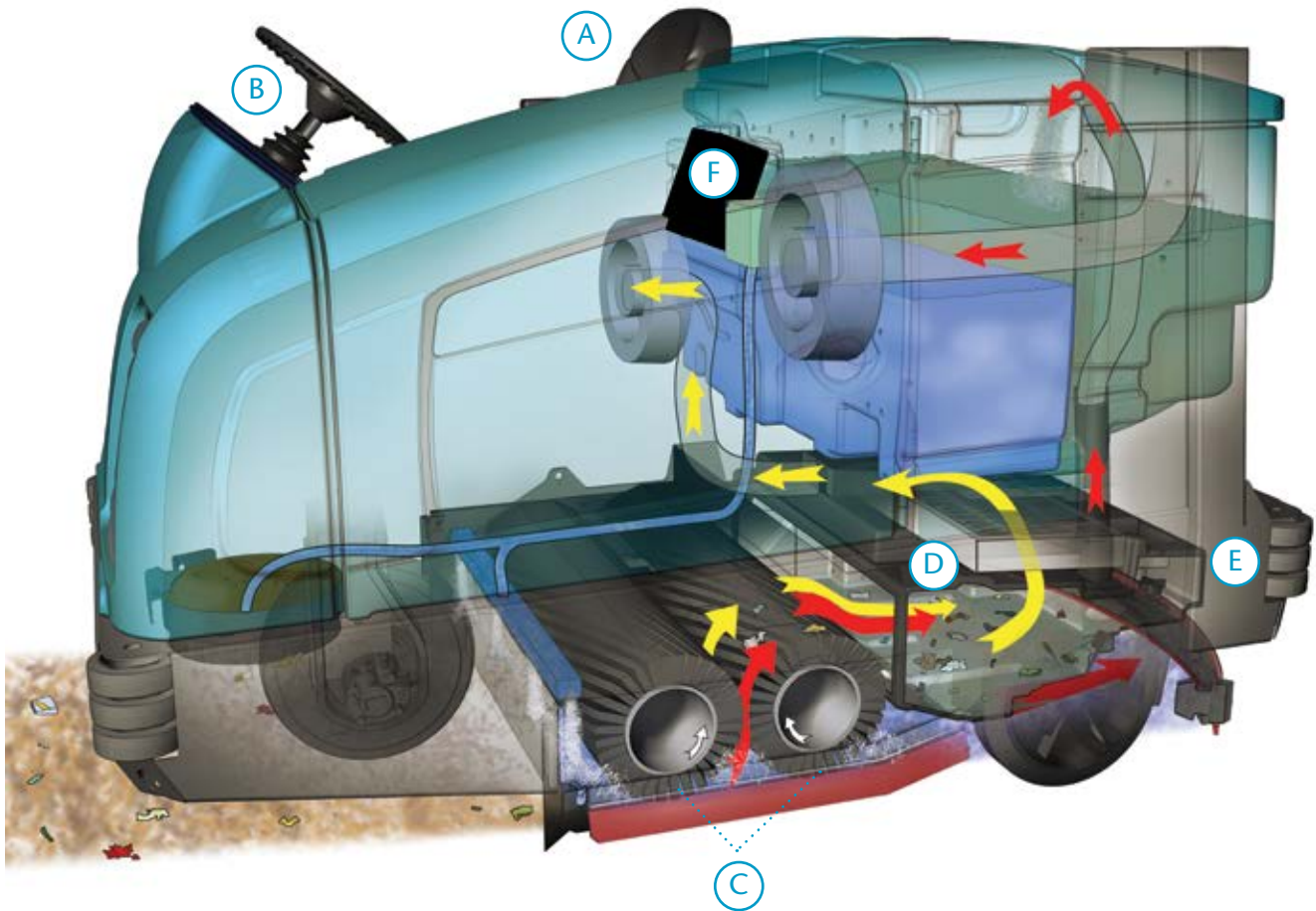


ES Extended Scrubbing productivity enhancement system recycles cleaning chemicals to increase uptime and improve productivity by scrubbing floors using 66% less chemicals than traditional cleaning methods.

* Based on a study by EcoForm™. Visit www.tennantco.com for more information.

INSIDE THE

M20



A **Ergonomically friendly** for operators, the ErgoSpace™ operator compartment makes cleaning with the M20 safe, easy, and comfortable.

B **Reduce training** and simplify operation with the Touch-N-Go™ control panel featuring 1-STEP™ scrubbing and sweeping.

C **Improve cleaning results** and reduce component wear with FloorSmart® – an integrated scrubbing and sweeping system.

D **Excellent dust control**, shakeback, and high durability from the synthetic panel filter with InstantAccess™.

E **Long-life construction** from heavy gauge steel frame with T-beam members and Grip-N-Go™ corner rollers.

F **Reduce environmental impact*** with ec-H2O™ or FaST® technology.

* Based on a study by EcoForm™. Visit www.tennantco.com for more information.

COST-EFFICIENT. PRODUCTIVE. SAFE.

- ▶ EasyOpen™ service access reduces downtime, service time and maintenance costs, delivering a dramatically lower total cost of ownership.
- ▶ Cleaning productivity is increased with a large 3.9 ft³ / 110 liter, 390 lb / 177 kg debris hopper with 60 in / 1,520 mm variable dump height.
- ▶ The ErgoSpace™ operator compartment offers outstanding visibility, safety and ergonomics to protect operators, the machine and your facility.



KEY AVAILABLE FEATURES

Increase productivity up to 3 hours. Ideal for more porous concrete, and ES® Extended Scrubbing filters and recycles recovered solution – dramatically extending cleaning time.

Widen cleaning path from 40 up to 56 inches / 1,020 to 1,420 mm. Expand edge-cleaning capabilities and maximize productivity with the optional side brush.

Boost your cleaning flexibility. Spot clean hard-to-reach areas with the 15 ft / 5 m spray hose.

Protect operator and machine. Ensure safety in severe environments with an overhead guard.



ENVIRONMENTAL STEWARDSHIP



ec-H2O™ and FaST® technologies are NFSI (National Floor Safety Institute) Certified. NFSI certified products must pass a 2-phase wet slip resistance process and have been shown to reduce the potential for slip-and-fall accidents.



ec-H2O and FaST technologies are registered by NSF International. NSF International is an independent, not-for-profit organization that ensures formulation and labels on these products meet appropriate food safety regulations.



ec-H2O and FaST technologies may contribute to LEED or LEED-EBOM (Existing Building: Operations & Maintenance) points, provided other appropriate criteria are met. For more information on obtaining LEED points, please contact your sales rep or refer to the USGBC website at: www.usgbc.org.



FaST is a Green Seal (GS-37) Certified Detergent. Green Seal evaluates and certifies cleaning products based on criteria such as the toxicity of the product, skin and eye irritation, skin sensitization, combustibility, toxicity to aquatic life, and packaging.



Conserve Resources



Reduce Detergents



Increase Safety



Improve Air Quality



Reduce Noise

Choose GE Capital or U.S. Bancorp, our leasing providers, for simple, quick financing with flexible upgrade options.

M20 RIDER SCRUBBER-SWEEPER

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)	390 lb / 177 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 / 530 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 / 6,500 rpm
Sweeping fan airflow	290 cfm / 8.2 m ³ /min

PROPELLING SYSTEM

Propel speed forward (variable to)	8.0 mph / 13 km/h
Propel speed reverse (variable to)	3.0 mph / 4.8 km/h
Engine-gasoline/LPG (2.0 L)	50 hp / 37.2 kW
Engine-diesel (1.5 L)	24.8 hp / 19 kW
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 ft ² / 7.3 m ²
Dust filtration (to)	3 microns
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 / 1,470 mm
Height	58 in / 1,470 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.
Specifications subject to change without notice.

SEEING IS BELIEVING

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