

# M20



## Integrated Scrubber-Sweeper

- Superior cleaning results in just one pass—wet or dry—with FloorSmart™
- Maximum productivity with FaST™ for cleaning up to three times longer than conventional scrubbing
- Low total cost of ownership from fully-integrated, cost-efficient design



**FaST**  
Foam Scrubbing Technology

The Safe Scrubbing Alternative®

# Superior cleaning results at a low total 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 total cost of ownership

Without compromising safety or performance, we've reduced the total 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.

## Safer for operators, customers, and employees

The ErgoSpace™ operator compartment, 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.



## The most productive way to clean is with FaST technology



The M20 comes standard with FaST (Foam-activated Scrubbing Technology). The safest, most productive scrubbing system available, NFSI certified FaST leaves floors virtually dry, reducing the risk of slip-and-fall.

Ideal for smoother, less porous surfaces, one 4-liter FaST-PAK® cleans up to 2 million ft<sup>2</sup> / 186,000 m<sup>2</sup> and enables up to two hours of continuous scrubbing – three times longer than conventional scrubbing systems.





COST-EFFICIENT. PRODUCTIVE. SAFE.



EasyOpen™ service access reduces downtime, service time and maintenance costs, delivering a dramatically lower total cost of ownership.

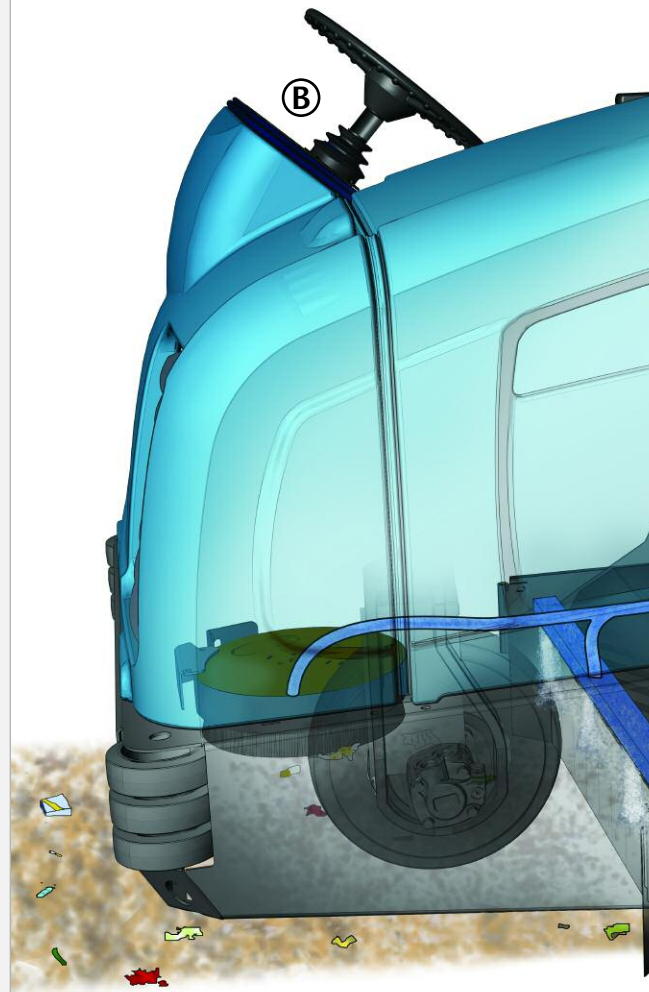


Cleaning productivity is increased with a large 3.9 ft<sup>3</sup> / 110 liter, 390 lb / 177 kg debris hopper with 60 in / 1,520 mm variable dump height.



The ErgoSpace™ operator compartment offers outstanding visibility, safety and ergonomics to protect operators, the machine and your facility.

INSIDE THE M20



A

Ergonomically-friendly for operators, the ErgoSpace™ makes cleaning with the M20 safe, easy, and comfortable.

B

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

## KEY AVAILABLE FEATURES

### Increase productivity up to 3 hours



Ideal for more porous concrete, ES filters and recycles recovered solution, dramatically extending cleaning time.



### Widen the cleaning path from 40 up to 56 inches / 1,020 to 1,420 mm

Achieve superior edge-cleaning capabilities and maximum productivity with an optional side brush.



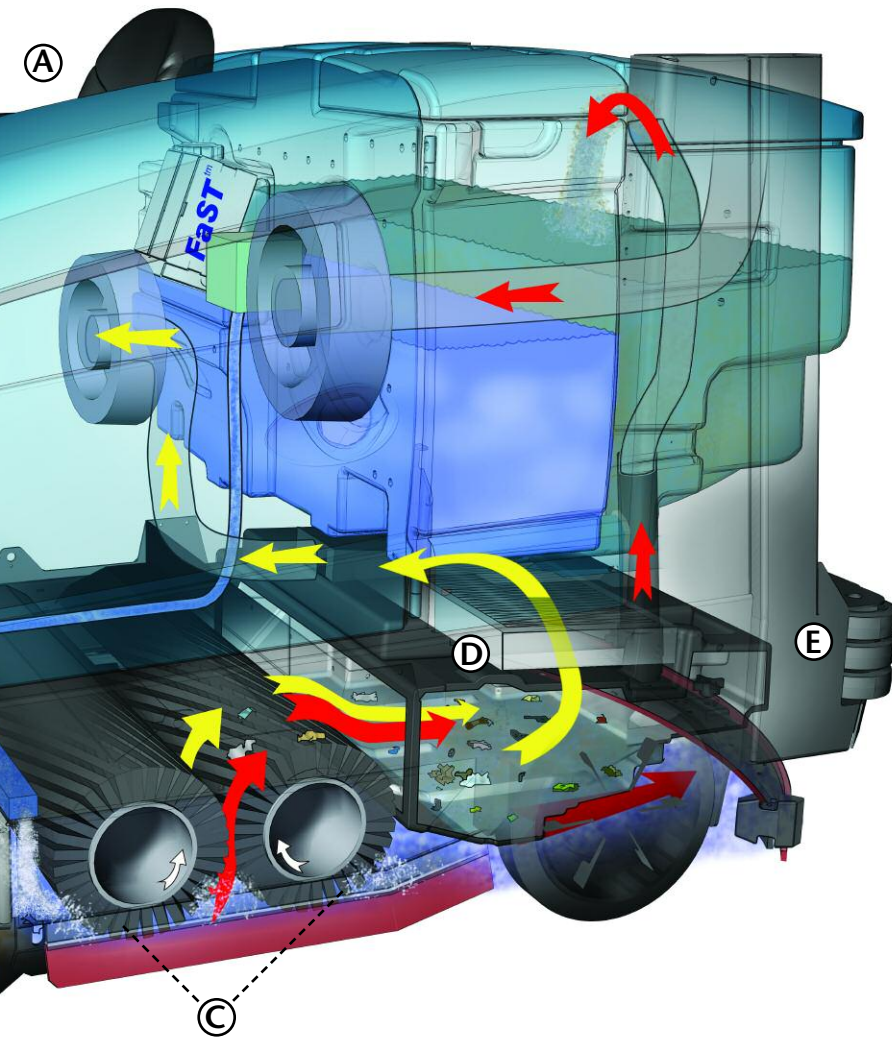
### Boost your cleaning flexibility

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



### Protect the operator and machine

Ensure safety in severe environments with an overhead guard.



**C**

Achieve superior results and reduce component wear with FloorSmart™ – an integrated scrubbing and sweeping system.

**D**

Superior dust control, excellent shake-back, 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.



# THE NEW M20 VS. COMPETITIVE SWEEPER-SCRUBBERS

## New M20 Scrubber-Sweeper

## Competitive Sweeper-Scrubbers

### Increased Safety

**FaST™**  
NFSI-certified to increase traction

**ErgoSpace™** operator compartment  
Improves visibility

**Thermo-Sentry™** hopper sensor  
Preventative fire safety

**Grip-N-Go™** corner rollers  
Facility and machine protection

**Triple-sealed electrical connector**  
UL-certified system protection

Water reduction system

Limited operator visibility

No preventative measures

Basic frame protection

Push-on electrical connectors



### Reduced Costs

**Two main brushes**  
Fewer parts to maintain

**FloorSmart™** integrated machine  
Less complexity

**On-board diagnostics**  
Quick, easy maintenance

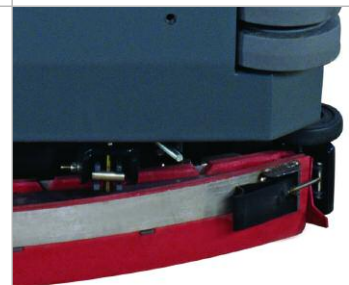
**SmartRelease™** squeegee  
Reduced replacement parts

Four main brushes

Two separate machines bolted together

Trial and error

Bolt-on squeegee



### Maximum Productivity

**ES®** with detergent metering  
The original extended scrubbing system

**Smooth front-wheel steering**  
Tight, easy maneuverability

**EasyOpen™** service access  
Quick maintenance, maximum uptime

**Wet/dry synthetic fiber panel filter**  
Increased productivity

**Touch-N-Go™** operation  
Reduced training time, increased productivity

**Hygenic®** tanks  
Minimum downtime with easy access and sanitization

**Variable Drain Valves™**  
No mess

Just detergent metering

Awkward rear-wheel steering

Restricted access, limited serviceability

Paper dust filter, dry-sweep only

Inefficient, multiple-step cleaning

Difficult tank cleanout

Minimal control, messy draining





## GENUINE TENNANT PARTS, SUPPLIES & SERVICE

### Foam-based FaST:

#### Your Key to Peak Productivity and Safety

Using innovative foam-based detergent, machines with FaST increase productivity, eliminate the need for operators to handle chemicals, and leave just-cleaned floors immediately dry and safe for traffic.

### Genuine Tennant Parts Advantage

Operate your machine with confidence by choosing genuine Tennant parts. Only authentic Tennant parts are engineered in conjunction with Tennant equipment. For years of worry-free operation, accept only genuine parts and supplies.

### Industry's Only Factory-Direct Service Network

Tennant offers the only factory-trained, locally based network of 400+ service techs dedicated to keeping your cleaning program up and running.

## WARRANTY

All parts (excluding batteries) have a 36 month warranty under normal use and service, on-site service labor coverage of warranty items for 24 months, and 6 months travel.



**Certified by the NFSI, FaST  
increases floor traction up  
to 21%.**

## 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	480 rpm
Brush down pressure (up to)	390 lb	177 kg
Brush diameter (2)	12 in	300 mm

### Side brush

Brush speed	150 rpm	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 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	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 m³/min

### Dust Control System

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

### 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 (1.6 L)	55 hp	41 kW
Gradeability		
Transport at gross weight	10.0 deg/18%	10.0 deg/18%
Working (cleaning)	8.0 deg/14%	8.0 deg/14%
Ground clearance (transport)	3 in	80 mm

### Machine Dimensions

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

## SEEING IS BELIEVING

See for yourself how the M20 scrubber-sweeper delivers clean, safe floors in your most challenging environments. For a demonstration or additional information, call **800.553.8033**.

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