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TENNANT®

CREATING A CLEANER, SAFER, HEALTHIER WORLD.

EQUIPMENT



S20

COMPACT MID-SIZE RIDER SWEEPER

- Compact in size, big on performance and durability
- Simple, easy-to-use controls reduce operator training with all-levers-forward design
- Unrivaled dust control performance with the SweepMax® system and ShakeMax® 360 technology

Southeastern EQUIPMENT & SUPPLY, INC.
800.440.6723
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SETTING THE STANDARD IN COMPACT SWEEPER PERFORMANCE, SAFETY AND VALUE







MAXIMUM PRODUCTIVITY AND OPTIMUM CLEANING

- Maximize dust control and improve air flow filtration with the SweepMax® 3-stage dust control system.
- Clean from the inside out, dislodging dust particles lodged deep within the pleats with ShakeMax® 360 filter shaker.
- Compact size and indoor /outdoor flexibility increases machine use throughout the facility.
- Decrease operator training time and simplify machine operation with "All-Levers-Forward" controls.

INCREASED SAFETY

- Excellent operator sightlines, standard headlights and taillights, 7 in /180 cm side brush reach, and horn button in center of steering wheel.
- Thermo-Sentry™ hopper sensor alerts operators to excessive heat in the hopper and shuts down air flow to hopper.
- Seat occupancy switch shuts down the engine within seconds of the operator leaving the seat.
- Optional overhead guard with standard rear-view mirror and tower bumpers protect the operator and machine.

PROVEN TENNANT QUALITY FOR LONG-LASTING RETURN ON INVESTMENT

- Quality combines with easy maintenance features to make the S20 an exceptionally cost-effective sweeper that you can count on for years of reliable service.

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THE CLEANING POWER OF A MID-SIZE SWEEPER IN A COMPACT MACHINE







THE SWEEPMAX® DUST CONTROL SYSTEM LETS YOU RUN LONGER

Improving air flow filtration and dust control for sweeping, the S20 SweepMax® system uses a 3-stage dust control system:

STAGE 1

Keep bulky debris, water, and heavy dust in the hopper with the first stage Perma-filter™.

STAGE 2

Remove fine dust and moisture by redirecting it into the hopper with the second stage cyclonic pre-filter.

STAGE 3

Filter sub-micron dust particulates down to 0.5 microns at 99% efficiency with a third stage, flame retardant, nanofiber surface loading canister filter.

This 3-stage system filters sub-micron dust particles to a MERV 13 rating on the ASHRAE 20 point scale.

S20 FEATURES THAT REDUCE COSTS

- Achieve maximum uptime with no-tool, easy-to-open covers for quick servicing.
- Decrease operating costs with the SweepMax second stage cyclonic pre-filter which removes the majority of dust and moisture before it reaches the third stage canister filter.
- The filter and cyclonic chamber and no-tool brush change make maintenance easy.
- Withstand the most demanding environments with full wrap-around steel T-beam superstructure and corrosion proof heavy-duty Duramer™ hopper and shrouds.

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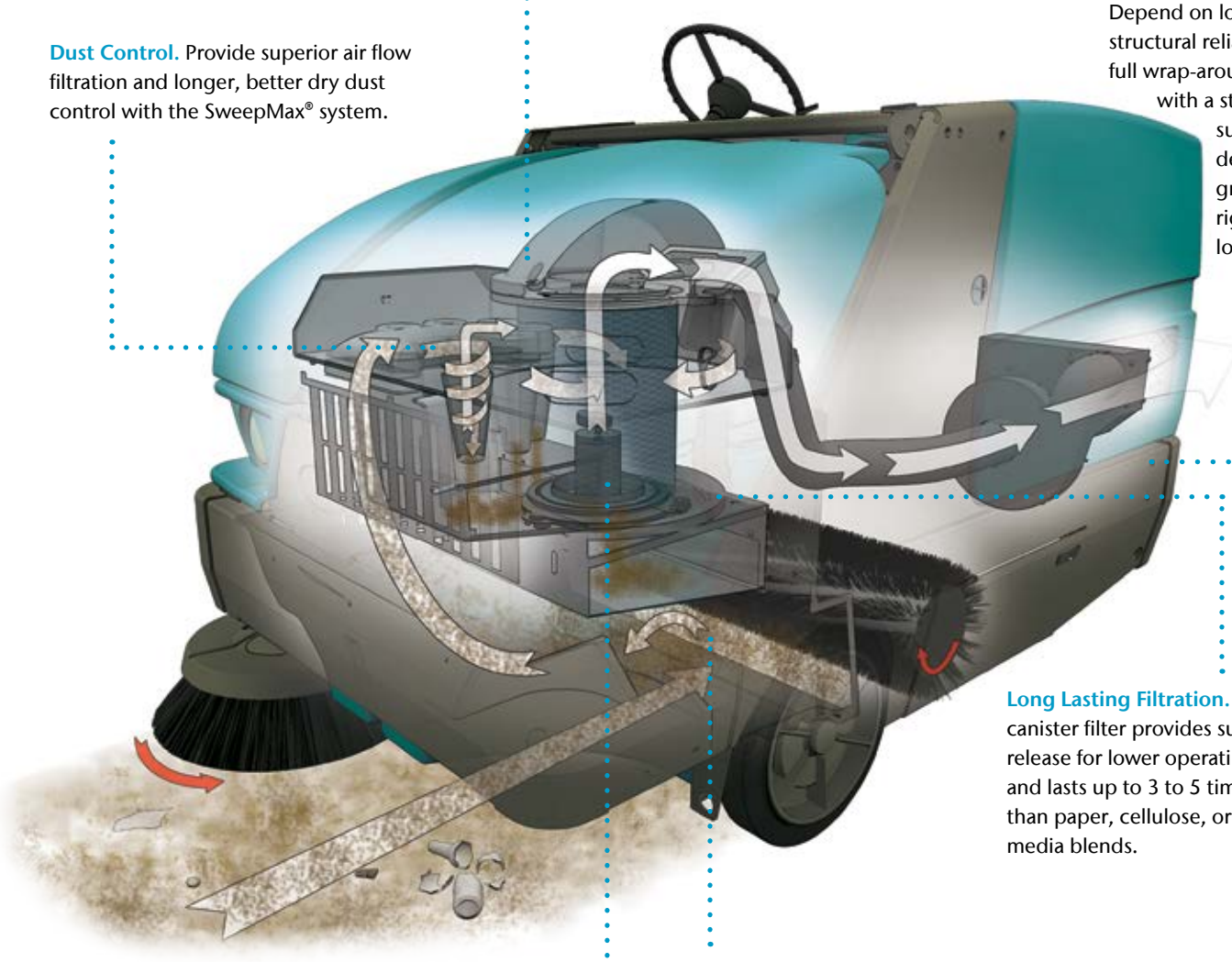
INSIDE THE

S20

Operator Compartment. Ensure operator safety by alerting and shutting down air flow if increases in hopper temperature are sensed by Thermo-Sentry™.

Durable Construction. Depend on long-term structural reliability with a full wrap-around steel bumper with a steel T-beam superstructure designed for greater strength, rigidity, and long life.

Dust Control. Provide superior air flow filtration and longer, better dry dust control with the SweepMax® system.



Long Lasting Filtration. Nanofiber canister filter provides superior dust release for lower operating pressure and lasts up to 3 to 5 times longer than paper, cellulose, or synthetic media blends.

Innovative Design. The dedicated belt driven vacuum fan and built-in muffler provide superior dust control, lower noise, and reduced maintenance.

Simple Filter Cleaning. Increase efficiency with the ShakeMax® 360 ®filter cleaning mechanism, dislodging dust particles caught deep within the pleats.

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SAFETY, COMFORT, AND PERFORMANCE INSIDE THE S20 EVERY TIME YOU TURN THE KEY

- **Reduce downtime, service time, and maintenance costs** by quickly accessing the heart of the S20 with no-tool, easy-to-open covers.
- **Improve sweeping performance and extend filter life** through enhanced air flow filtration and dust control with the SweepMax® 3-stage dust control system.
- **Spacious operator compartment** incorporates adjustable seat, propel pedal, and steering column to customize fit. Important design safety features include excellent sightlines, side brush visibility, all levers forward sweeping, parking brake on light alert and much more.
- **Sustainable alternative.** High productivity cleaning of large areas with a quiet, fume-free battery version, eliminating engine exhaust.







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KEY AVAILABLE FEATURES

Improve productivity with a 62 in / 1,575 mm sweeping path that shortens cleaning time by adding optional dual side brushes and a high-capacity debris hopper.



Increase safety and effective operation in the most severe environments with an optional overhead guard or the optional soft side cab that can be installed or removed in minutes to adjust for changing weather conditions.



Clean off aisle and in tight spaces with the convenient optional vacuum wand – stored securely on board so it is always there when you need it.



Minimize risk of damage and machine repair costs in harsh environments with optional tower bumpers that protect against accidental contact with hard objects.



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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.
- Improve uptime by leveraging Tennant*True* parts and service.

S20 COMPACT MID-SIZE RIDER SWEEPER

SWEEPING SYSTEM	DIESEL / GASOLINE / LPG	BATTERY
Cleaning path		
Single side brush	50 in / 1,270 mm	50 in / 1,270 mm
Dual side brush	62 in / 1,575 mm	62 in / 1,575 mm
BRUSH DRIVE SYSTEM		
Main brush		
Main brush length (tubular)	36 in / 910 mm	36 in / 910 mm
Main brush lift	Mechanical lever	Mechanical lever
Main brush drive	Hydraulic	Belt
Side brush diameter (disk)	23 in / 580 mm	23 in / 580 mm
Debris hopper		
Volume capacity (polyethylene)	11 ft^3 / 310 L	11 ft^3 / 310 L
Volume capacity (steel)	11.25 ft^3 / 319 L	—
Weight capacity (polyethylene)	750 lb / 340 kg	650 lb / 295 kg
Weight capacity (steel)	700 lb / 318 kg	—
Dump height (variable to)	60 in / 1,525 mm	60 in / 1,525 mm
Dump reach	14 in / 355 mm	14 in / 355 mm
POWER SYSTEM		
Engine-gasoline/LPG	23 hp / 17 kW	—
Engine-diesel	21 hp / 16 kW	—
Battery options		
Standard capacity (6-6V)	—	315 Ah
Standard capacity, long life (2-18V)	—	340 Ah
High capacity, long life (2-18V)	—	440 Ah
PROPELLING SYSTEM		
Propel speed forward (variable to)	6.0 mph / 10 km/h	5.0 mph / 8.0 km/h
Propel speed reverse (variable to)	3.0 mph / 4.8 km/h	3.0 mph / 4.8 km/h
Gradeability		
Full hopper	10.0 deg / 17.6%	8.0 deg / 14.1%
Empty hopper	14.0 deg / 25.0%	10.0 deg / 17.6%
DUST CONTROL SYSTEM		
Filter system (triple stage)		
Stage 1	Perma-filter™	Perma-filter™
Stage 2	Cyclonic pre-filter	Cyclonic pre-filter
Stage 3 (canister filled)	80 ft^2 / 7.4 m^2	80 ft^2 / 7.4 m^2
Filtration level (up to)	0.5 microns @ 99% efficiency	
Vacuum fan	1.5 hp / 1.12 kW	1.0 hp / 0.75 kW
Vacuum fan speed	6,480 rpm	6,100 rpm
Vacuum diameter	9 in / 230 mm	9 in / 230 mm
MACHINE SPECIFICATIONS		
Length	82.3 in / 2,090 mm	82.3 in / 2,090 mm
Width	48.5 in / 1,230 mm	48.5 in / 1,230 mm
Height		
With overhead guard	82.1 in / 2,085 mm	82.1 in / 2,085 mm
Without overhead guard	49.5 in / 1,260 mm	49.5 in / 1,260 mm
Weight (net) without battery	—	2,300 lb / 1,045 kg
Weight (net) with standard battery	2,450 lb / 1,110 kg	2,975 lb / 1,350 kg
Minimum aisle turn	95 in / 2,415 mm	95 in / 2,415 mm

WARRANTY

See your local representative for warranty information

Specifications subject to change without notice.

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