CREATING A CLEANER, SAFER, HEALTHIER WORLD.

EQUIPMENT



S20

COMPACT MID-SIZE RIDE-ON 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

SETTING THE STANDARD IN COMPACT SWEEPER
PERFORMANCE, SAFETY AND VALUE





MAXIMUM PRODUCTIVITY AND OPTIMUM CLEANING

- Maximise 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, 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.

INSIDE THE

S20



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

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

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

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

E **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.

F **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.

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.







KEY AVAILABLE FEATURES

Improve productivity with a 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.



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



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 2nd 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.

GENUINE TENNANT PARTS, SUPPLIES AND SERVICE

Tennant Service Offering
- Maximise safety, productivity and uptime
- Control and protect your investment and lower your total cost of ownership
- Benefit from over 200 factory-trained service technicians across Europe

Tennant Parts & Supplies
- Operate your machine with confidence
- Benefit from years of worry-free operation

Tennant Cleaning Solutions
- Further your sustainable cleaning goals
- Choose sustainable benefits your company wants

S20 COMPACT MID-SIZE RIDER SWEEPER

SWEEPING SYSTEM	DIESEL / LPG	BATTERY
Cleaning path		
Single side brush	1270 mm	1270 mm
Dual side brush	1575 mm	1,575 mm
BRUSH DRIVE SYSTEM		
Main brush		
Main brush length (tubular)	910 mm	910 mm
Main brush lift	Mechanical lever	Mechanical lever
Main brush drive	Hydraulic	Belt
Side brush diameter (disk)	580 mm	580 mm
Debris hopper		
Volume capacity (polyethylene)	310 L	310 L
Volume capacity (steel)	319 L	—
Weight capacity (polyethylene)	340 kg	295 kg
Weight capacity (steel)	318 kg	—
Dump height (variable to)	1525 mm	1525 mm
Dump reach	355 mm	355 mm
POWER SYSTEM		
Engine-gasoline/LPG Kubota (max)	32.5 hp / 24.0 kW	—
Engine-diesel Kubota (max)	26.0 hp / 19.4 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)	10 km/h	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 deg / 17.6%	8 deg / 14.1%
Empty hopper	14 deg / 25.0%	10 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)	7.4 m^2	7.4 m^2
Filtration level (up to)	0.5 microns @ 99% efficiency	
Vacuum fan	1.12 kW	0.75 kW
Vacuum fan speed	6,480 rpm	6,100 rpm
Vacuum diameter	230 mm	230 mm
MACHINE SPECIFICATIONS		
Length	2090 mm	2090 mm
Width	1230 mm	1230 mm
Height		
With overhead guard	2085 mm	2085 mm
Without overhead guard	1260 mm	1260 mm
Weight (net) without battery	—	1045 kg
Weight (net) with standard battery	1110 kg	1500 kg
Minimum aisle turn	2420 mm	2420 mm

WARRANTY

24 Months (or max 2000 running hours) on parts and 12 months (or max 1000 running hours) on labour, whichever comes first, excluding wear items.

Specifications subject to change without notice.

SEEING IS BELIEVING

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