S20

Compact Midsize Ride-on Sweeper

- Compact in size, big on performance and durability
- All-levers-forward operation reduces operator training
- Unrivaled dust control performance with the patent pending SweepMax™ system and ShakeMax™ 360 technology

Setting the standard in compact sweeper performance, safety, and value

Maximum sweeping power when and where you need it

The Tennant S20 rider sweeper sets the standard for compact sweeper performance, safety, and value. With the sweeping power of a mid-size and the manouevrability of a compact, the S20 goes where you need it and gets the job done.

Improved air quality and optimum cleaning

The S20 SweepMax™ system removes the majority of dust and moisture for superior dust control, longer filter life, and extended sweeping time.

Focus on safety

The Tennant S20 was engineered with a focus on safety for the operator, the environment, and your employees. Important safety features include excellent operator sightlines, steering wheel-mounted horn, standard headlights and taillights, hopper support arm and the Thermo-Sentry™.

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.

The SweepMax™ dust control system lets you run longer with optimum performance

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

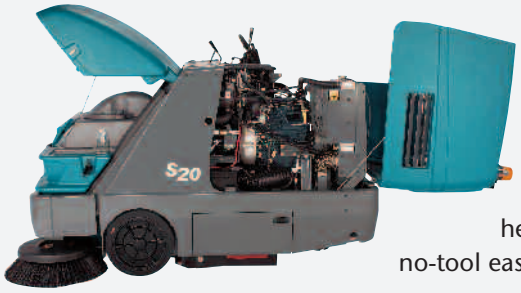
STAGE 1
Keep bulky debris, water, and heavy dust in the hopper with the *first stage Perma-Filter™*.

STAGE 2
Remove fine dust and moisture by redirecting it into the hopper with the *second stage cyclonic prefilter*.

STAGE 3
Filter sub-micron dust particulates down to 0.5 microns at 99% efficiency with a *third stage, flame retardant, nanofibre surface loading canister filter.*

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

Safety, comfort, and performance every time you turn the key

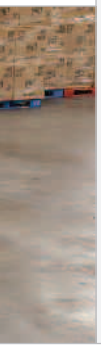


Reduce down-time, service time, and maintenance costs by quickly accessing the heart of the S20 with no-tool easy-to-open covers.

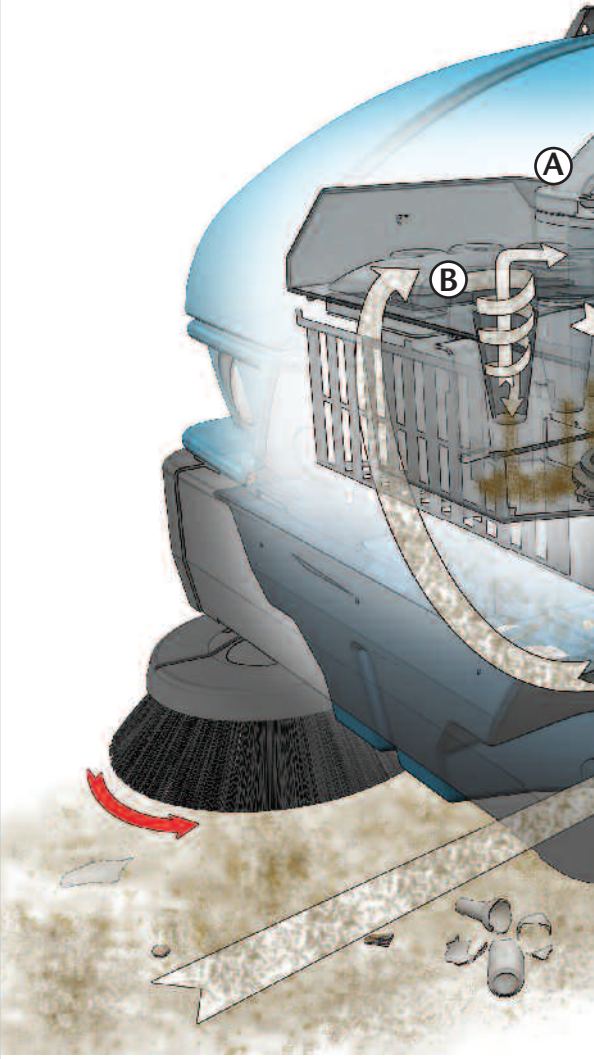
Improve sweeping performance and extend filter life through enhanced air flow filtration and dust control with the patent-pending SweepMax™ 3-stage dust control system.

Spacious operator compartment incorporates adjustable seat, propel pedal, and steering column to customise fit. Important design safety features include excellent sightlines, side brush visibility, all-levers-forward sweeping, parking brake on light alert and much more.

Greener alternative. High productivity cleaning of large areas with a quiet, fume-free battery version, eliminating engine exhaust.



INSIDE THE S20

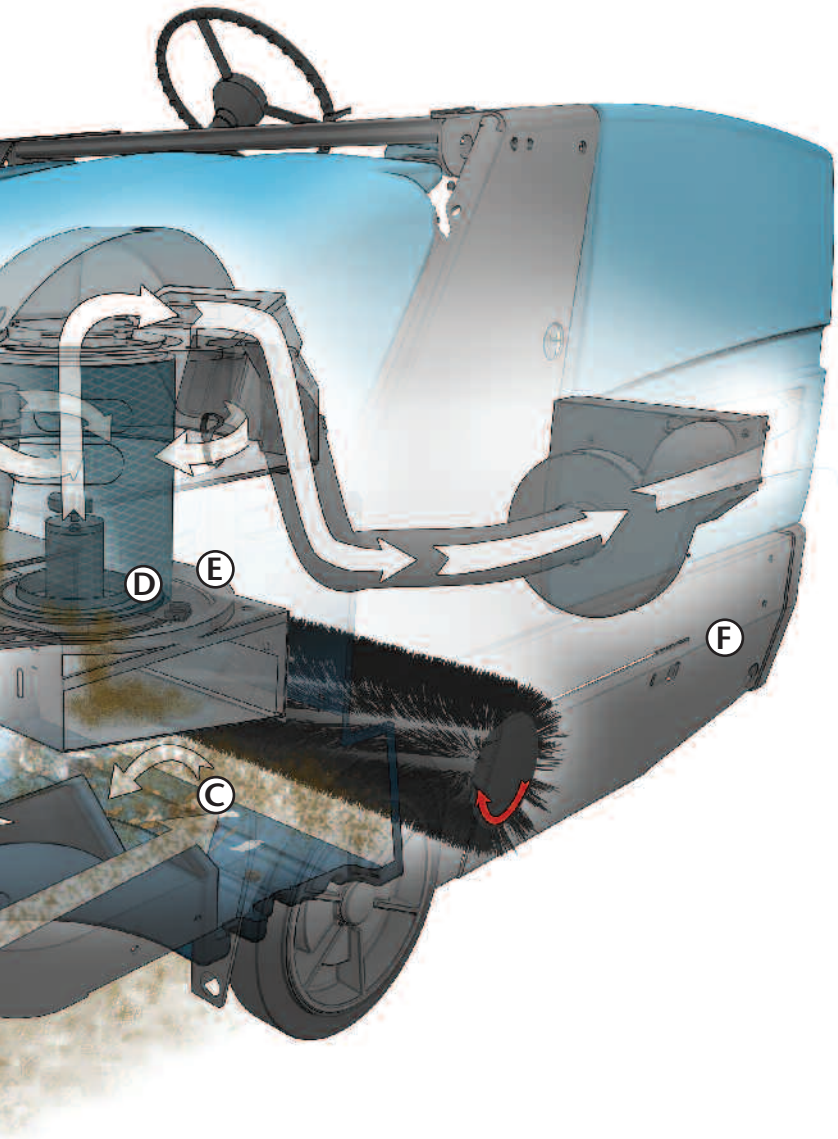


A

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

B

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



C

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

D

Increase efficiency with the patent pending ShakeMax™ 360 filter cleaning mechanism, dislodging dust particles caught deep within the pleats.

E

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

F

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.

Flexibility and productivity with range extending options

Improve productivity with a 157 cm sweeping path that shortens cleaning time by adding optional dual side brushes and a high-capacity debris hopper. Sweep corners and hard-to-get-at spaces with side sweeping brushes that extend 18 cm beyond the frame to give outstanding results in all environments.

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.

S20 SWEEPER

	RESULT	FEATURE
Maximum Productivity	Maximises dust control while sweeping	SweepMax™ 3-stage dust control system provides improved air flow filtration and dust control
	Provides longer, more effective air filtration with SweepMax™ System	Patent-pending ShakeMax™ 360 filter shaker cleans from the inside out, dislodging dust particles lodged deep within the pleats
	Increases machine use throughout the facility	Compact size and indoor/outdoor flexibility to easily pick up debris from fine grains of sand to light debris in open and congested spaces
	Decreases operator training time and simplifies machine operation	"All-Levers-Forward" controls make operation easy
Increased Safety	Improves visibility, response time and operator awareness	Excellent operator sightlines, standard headlights and taillights, 18 cm side brush reach, and horn button in center of steering wheel
	Reduces the risk of accidental hopper fires	Thermo-Sentry™ hopper sensor alerts operators to excessive heat in the hopper and shuts down air flow to hopper
	Reduces risk of accidental personal injury and property damage	Seat occupancy switch shuts down the engine within seconds of the operator leaving the seat
	Enables safe, effective operation in the most severe environments	Optional overhead guard with standard rear-view mirror and tower bumpers protect the operator and machine
Reduced Costs	Allows maximum uptime	No-tool easy-to-open covers enable quick servicing
	Decreases operating costs	SweepMax™ 2nd stage cyclonic pre-filter removes the majority of dust and moisture before it reaches the 3rd stage canister filter
	Reduces downtime and helps ensure operation at peak levels	No-tool InstantAccess™ to the filter and cyclonic chamber and no-tool brush change make maintenance easy
	Withstands the most demanding environments for long lasting machine life	Full wrap-round steel T-beam superstructure and corrosion proof heavy-duty Duramer™ hopper and shrouds

GENUINE TENNANT PARTS, SUPPLIES & SERVICE

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. Direct Service Network In Europe, Tennant offers a factory-trained, locally based network of more than 220 service technicians dedicated to keeping your cleaning program up and running. Protect your investment with a Tennant Service Agreement.

Choose one of the many Tennant Financial Solutions for easy and quick financing.

For more detailed information on these topics, please contact your Tennant sales person.

S20 COMPACT MIDSIZE RIDE-ON SWEEPER

SPECIFICATIONS	Diesel/Gasoline/LPG	Battery
Sweeping System		
Cleaning path		
Single side brush	127 cm	127 cm
Dual side brush	157 cm	157 cm
Main brush		
Main brush length (tubular)	91 cm	91 cm
Main brush lift	Mechanical lever	Mechanical lever
Main brush drive	Hydraulic	Belt
Side broom		
Side broom diameter	58 cm	58 cm
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)	152 cm	152 cm
Dump reach	35 cm	35 cm
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
Dust filtration (up to)	0.5 microns @ 99% efficiency	
Vacuum fan	1.1 kW	0.75 kW
Speed	6,480 rpm	6,100 rpm
Vacuum diameter	23 cm	23 cm
Propelling System		
Propel speed forward (variable to)	10 km/h	8 km/h
Propel speed reverse (variable to)	3.0 mph / 5 km/h	3.0 mph / 5 km/h
Engine-gasoline/LPG Kubota (max)	24 kW	–
Engine-diesel Kubota (max)	19 kW	–
Battery options		
Standard capacity	–	(36V) 425 Ah/C_5
Gradeability		
Full hopper	10°/17%	8.0°/14%
Empty hopper	14°/25%	10°/17%
Machine Dimensions		
Length	209 cm	209 cm
Width	123 cm	123 cm
Height		
With overhead guard	209 cm	209 cm
Without overhead guard	126 cm	126 cm
Weight (net) without battery	–	1045 kg
Weight (net) with standard battery	1110 kg	1500 kg
Minimum aisle turn	242 cm	242 cm

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.

SEE IT IN ACTION!

See for yourself the sweeping power and compact manouevrability of the S20. For a demonstration or additional information, send an email to europe@tennantco.com.

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