



S20 Compact Ride-On Sweeper

Rely on the S20 Compact Ride-On Sweeper to deliver impressive performance – indoors or outdoors – even in harsh environments. Help manage your silica dust exposure control plan with our optional HEPA filtration system.

Available Technologies



Three stage SweepMax®



Optional HEPA filtration system



IRIS® Asset Manager

Engineered for Productivity



1. SweepMax® Stage 1: Keep bulky debris, water, and heavy dust in the hopper with the first stage Perma-filter™.

2. SweepMax® Stage 2: Remove fine dust and moisture by redirecting it into the hopper with the second stage cyclonic pre-filter.

3. SweepMax® 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.

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

5. Excellent operator sightlines, standard headlights and taillights, 7 in / 180 cm side brush reach, and horn button in center of steering wheel.

6. Achieve long machine life with the S20 Compact Ride-On Sweeper's corrosion-proof, heavy-duty Duramer™ hopper and shrouds.

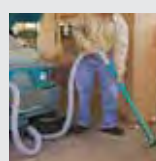
Optional Accessories



Reduce cleaning time using optional **dual side brushes**, and high-capacity debris hopper.



Increase safety and effective operation in the most severe environments with an optional **overhead guard and dust suppression skirts**.

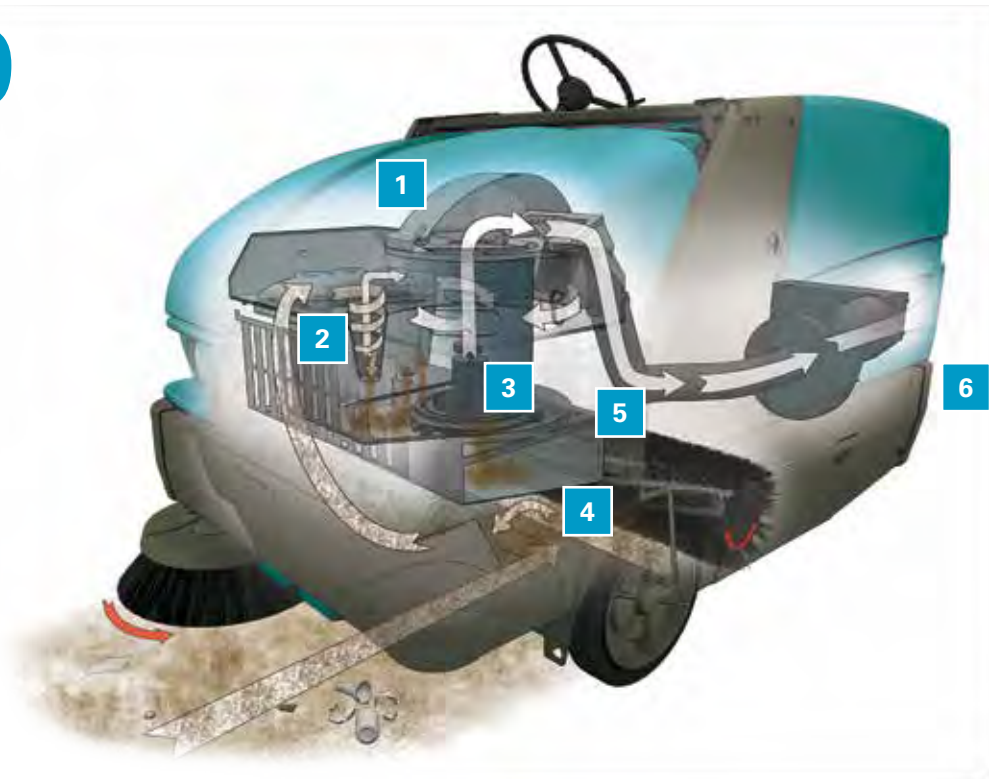


Clean off aisle and in tight spaces with the convenient optional **vacuum wand**.



Optional **tower bumpers** that protect against accidental contact with hard objects.

Inside the S20



- 1. Ensure operator safety** by alerting and shutting down air flow if increases in hopper temperature are sensed by Thermo-Sentry™.
- 2. Provide superior air flow** filtration and longer, better dry dust control with the SweepMax® system.
- 3. Simple filter cleaning** by increasing efficiency with the ShakeMax® 360® filter cleaning mechanism, dislodging dust particles caught deep within the pleats.

- 4. The dedicated belt driven vacuum fan and built-in muffler** provide superior dust control, lower noise, and reduced maintenance.
- 5. 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.
- 6. 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.

S20 Specifications

SWEEPING SYSTEM

	DIESEL / GASOLINE / LPG	BATTERY
Cleaning path: Single side brush Dual side brush	1,270 mm 1,575 mm	1,270 mm 1,575 mm
Main brush length (tubular)	910 mm	910 mm
Side brush diameter	580 mm	580 mm
Debris hopper volume capacity: Polyethylene Steel	310 L 319 L	310 L -
Debris hopper weight capacity: Polyethylene Steel	340 kg 318 kg	340 kg N/A
Debris hopper: Dump height (variable to) Dump reach	1,525 mm 355 mm	1,525 mm 355 mm

DUST CONTROL SYSTEM

Filter system: Stage 1 Stage 2 Stage 3 (canister filled)	Perma-filter™ Cyclonic per-filter 7.4 m ²	
Dust filtration (seasoned filter)	0.5 microns at 99% efficiency	
Vacuum fan	1.12 kW	.75 kW
Vacuum fan speed	6,480 rpm	6,100 rpm
Vacuum diameter	230 mm	230 mm

PROPELLING SYSTEM

Propel speed forward (variable to): 3-wheel	12.9 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
Engine-gasoline Gross Intermitten Power* Tennant Governed Power	24.2 kW @3600 rpm 18.5 kW @2500 rpm	-
Engine-LPG Gross Intermitten Power* Tennant Governed Power	23.1 kW @3600 rpm 18.3 kW @2500 rpm	-
Engine-diesel: Gross Intermitten Power* Tennant Governed Power	14.2 kW @2500 rpm 13.8 kW @2400 rpm	-
Gradeability: full hopper empty hopper	10° / 17.6% 14° / 25%	8° / 14.1% 10° / 17.6%

MACHINE SPECIFICATIONS

Length	2,090 mm
Width	1,230 mm
Height with overhead guard Without overhead guard	2,085 mm 1,260 mm
Weight (net, with standard battery)	1,110 kg
Minimum aisle turn	2,415 mm

WARRANTY

See your local representative for warranty information

*Per SAE J1995
Specifications subject to change without notice.
Specifications based on standard machine configurations, no options

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