



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 silica dust 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.

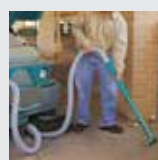
Optional Accessories



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**.

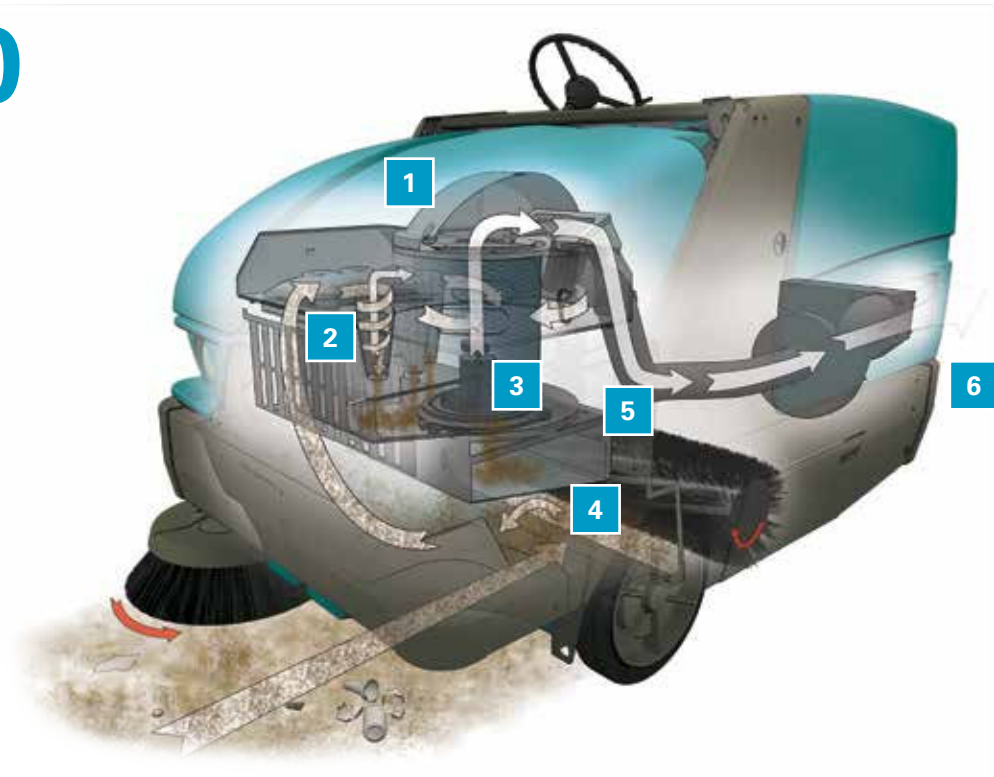


Clean off aisle and in tight spaces with the convenient optional **vacuum wand**.



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	50 in / 1,270 mm 62 in / 1,575 mm	50 in / 1,270 mm 62 in / 1,575 mm
Main brush length (tubular)	36 in / 910 mm	36 in / 910 mm
Side brush diameter	23 in / 580 mm	23 in / 580 mm
Debris hopper volume capacity: Polyethylene Steel	11 ft³ / 310 L 11.25 ft³ / 319 L	11 ft³ / 310 L -
Debris hopper weight capacity: Polyethylene Steel	750 lb / 340 kg 700 lb / 318 kg	750 lb / 340 kg N/A
Debris hopper: Dump height (variable to) Dump reach	60 in / 1,525 mm 14 in / 355 mm	60 in / 1,525 mm 14 in / 355 mm
DUST CONTROL SYSTEM	Perma-filter™ Cyclonic per-filter 80 ft² / 7.4 m²	
Filter system: Stage 1 Stage 2 Stage 3 (canister filled)	0.5 microns at 99% efficiency	
Dust filtration (seasoned filter)		
Vacuum fan	1.5 hp / 1.12 kW	1.0 hp / .75 kW
Vacuum fan speed	6,480 rpm	6,100 rpm
Vacuum diameter	9 in / 230 mm	9 in / 230 mm
PROPELLING SYSTEM		
Propel speed forward (variable to): 3-wheel	8.0 mph / 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	32.5 hp / 24.2 kW @3600 rpm 24.8 hp / 18.5 kW @2500 rpm	-
Engine-LPG Gross Intermitten Power* Tennant Governed Power	31.0 hp / 23.1 kW @3600 rpm 24.5 hp / 18.3 kW @2500 rpm	-
Engine-diesel: Gross Intermitten Power* Tennant Governed Power	19.0 hp / 14.2 kW @2500 rpm 18.5 hp / 13.8 kW @2400 rpm	-
Gradeability: full hopper empty hopper	10° / 17.6% 14° / 25%	8° / 14.1% 10° / 17.6%
MACHINE SPECIFICATIONS		
Length	82.3 in / 2,090 mm	
Width	48.5 in / 1,230 mm	
Height with overhead guard Without overhead guard	82.1 in / 2,085 mm 49.5 in / 1,260 mm	
Weight (net, with standard battery)	2,450 lb / 1,110 kg	
Minimum aisle turn	95 in / 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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