



REINVENT HOW THE WORLD CLEANS



# 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



Help manage your silica dust exposure control plan with our optional **HEPA filtration system** (providing a filtration efficiency of 99.97% to 0.3 microns).



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.

## 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**.

# S20 Specifications

SWEEPING SYSTEM	DIESEL/PETROL/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 <sup>2</sup>	
Dust filtration	0.5 microns at 99% efficiency	
HEPA filtration (Optional)	0.3 microns at 99.97%	
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

## Tennant – Reinvent how the world cleans

With a vision to become a global leader in sustainable cleaning innovation that empowers our customers to create a cleaner, safer and healthier world, Tennant creates solutions that are changing the way the world cleans.



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Tennant has the industry's largest direct sales and service organization and a well-supported network of authorized distributors worldwide.



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s20-brochure-en-au 2/24

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