

## S20 Specifications | Compact Mid-Size Rider Sweeper (liquid-cooled engine)

### SWEEPING SYSTEM

Type	Direct throw
Cleaning path: Single Sidebrush	50 in   1,270 mm
Dual Sidebrush	62 in   1,575 mm
Coverage rate per hour: Single Sidebrush	
Average (4 mph, 6-inch overlap)	77,400 ft <sup>2</sup>   7,200 m <sup>2</sup>
Maximum (full speed, no overlap)	132,000 ft <sup>2</sup>   12,260 m <sup>2</sup>
Coverage rate per hour: Dual Sidebrush	
Average (4 mph, 6-inch overlap)	98,560 ft <sup>2</sup>   9,160 m <sup>2</sup>
Maximum (full speed, no overlap)	163,680 ft <sup>2</sup>   15,200 m <sup>2</sup>
Main brush length (tubular)	36 in   910 mm
Main brush lift	Mechanical lever
Main brush drive	Hydraulic with case drain
Sidebrush diameter (disk)	23 in   580 mm
Edge cleaning reach	7 in   180 mm
Hopper volume capacity: Plastic Hopper	11.0 ft <sup>3</sup>   310 L
Steel Hopper	11.25 ft <sup>3</sup>   319 L
Hopper weight capacity: Plastic Hopper	700 lb   318 kg
Steel Hopper	700 lb   318 kg
Hopper dump height (variable)	60 in   1,525 mm
Hopper dump reach	14 in   355 mm

### PROPELLING SYSTEM

Propel speed forward (variable to)	6 mph   10 km/h
Propel speed reverse (variable to)	3 mph   4.8 km/h
Propel type	Hydrostatic
Gradeability full hopper	10.0 deg   17.6%
Gradeability empty hopper	14.0 deg   24.9%
Ground clearance	4 in   102 mm
Tires front (2), solid	3.5x16 in   89x410 mm
Tire rear (1), pneumatic	6x16 in   150x410 mm
Engine	
Petrol/LPG Liquid-cooled Kubota D972 (max.)	32.5 hp   24.0 kW
Governed Speed 2500 rpm (mechanical)	24.0 hp   17.9 kW
Diesel liquid-cooled Kubota D1005 (max.)	26.0 hp   19.4 kW
Governed Speed 2500 rpm (mechanical)	18.0 hp   13.4 kW
Hydraulic pumps	1 propelling, 2 accessory

### OPERATOR ERGONOMICS

Auto-on brushes	Power steering
System monitoring/warning lights	Tilt steering wheel
High visibility operation decals	Adjustable foot pedal
Cup holder	Horn in Center of Steering Wheel
"All Levers Forward" Operation	Color Coded Brush Wear Indicator

### DUST CONTROL SYSTEM

Three stage filter system	
Stage 1	Perma-Filter™
Stage 2	Cyclonic Pre-Filter
Stage 3	Nanofiber Canister Filter
Filter area	80 ft <sup>2</sup>   7.4 m <sup>2</sup>
Dust filtration (seasoned filter)	0.5 microns @ 99% efficiency
Shaker mechanism	ShakeMax 360™ Internal Shaker
Vacuum fan power	1.5 hp   1.12 kW
Vacuum fan diameter	9 in   230 mm
Vacuum fan speed	6,480 rpm

### MACHINE DIMENSIONS

Length	82.3 in   2,090 mm
Width	48.5 in   1,230 mm
Height without overhead guard	49.5 in   1,260 mm
Height with overhead guard	82.1 in   2,085 mm
Weight	
Net	2,450 lb   1,110 kg
Maximum Tire Footprint Pressure	125 psi   1,055 kPa
Turning radius	64 in   1,625 mm
Minimum Aisle Turn (left)	95 in   2,415 mm

### SAFETY SYSTEM

Fire protection	Thermo-Sentry™
Fire safety certification	UL label type G, LP, D UL label type LPS available
Noise level	
Petrol/LPG versions	80 dBA
Diesel version	80 dBA
Forward speed when dumping	1.5 mph   1.12 km/h
Headlights and LED taillights	Standard

### PRODUCT FEATURES

SweepMax™ Technology	Perma-Filter™
Multi-level dump	Hopper access door
Wrap-around bumper	InstantAccess™ filter change
T-beam frame construction	Wet sweep bypass
Corrosion-resistant hopper & shroud	Floating hopper
Seat Occupancy Interlock Switch	No-tool brush change
Engine Air Filter Service Indicator	Color-coded wiring

### GAUGES & LIGHTS

Clogged Dust Filter Light & Alarm	Automotive Fuses
Clogged Hydraulic Oil Filter Light	Parking Brake Light
Closed Hopper Door Light	Battery Voltage Light
Engine Oil Pressure Light	Hour Meter
Fuel Level Gauge (G/D)	Low Fuel Light (LPG)
Engine Coolant Temperature Light	

### OPTIONAL EQUIPMENT

Vacuum wand	Dual Sidebrushes
Overhead guard	Soft Side Cabin
Steel Hopper	SE Tower Bumpers (Front &/or Rear)
Side brush dust control	Light packages
Deluxe seat w/ suspension	Non-marking tires
Fire extinguisher	UL label type LPS
WaterShield™ side brush wet dust control	

### WARRANTY

Please refer to your local Tennant representative for information on warranty coverage.

For a complete selection of genuine Tennant brushes, please consult the Tennant *Parts and Consumables Reference Guide*.