



S30 Specifications | Industrial Rider Sweeper

SWEEPING SYSTEM

Type	II-Speed™, Direct-throw
Cleaning path, single side brush	62.5 in 1,588 mm
Cleaning path, dual side brush	80 in 2,032 mm
Coverage rate per hour - single side brush	
Average (4 mph, 4 in overlap)	102,960 ft² 9,580 m²
Maximum (8 mph, no overlap)	220,000 ft² 20,320 m²
Coverage rate per hour - dual side brush	
Average (4 mph, 4 in overlap)	133,760 ft² 12,440 m²
Maximum (8 mph, no overlap)	281,600 ft² 26,010 m²
Main brush length (tubular)	45 in 1,145 mm
Main brush lift	Mechanical or Hydraulic
Main brush change	No-tool
Side broom diameter (disk)	26 in 660 mm
Hopper volume capacity	14 ft³ 395 L
Hopper weight capacity (plastic)	1,080 lb 490 kg
Hopper weight capacity (steel)	1,200 lb 545 kg
Hopper dump height (variable)	60 in 1,525 mm
Hopper dump reach	30 in 760 mm

PROPELLING SYSTEM

Propel speed forward (variable to)	
3-wheel (Gas/LP)	8 mph 13 km/h
X4 (Diesel only)	15 mph 24 km/h
Propel Type	Hydrostatic
Gradeability - full hopper	
3-wheel (Gas/LP)	10 deg/18.0%
X4 (Diesel only)	6 deg/10.5%
Gradeability - empty hopper	
3-wheel (Gas/LP)	14 deg/25%
X4 (Diesel only)	9 deg/16%
Ground clearance	4 in 100 mm
Tires front (2), solid	5x21 in 127x535 mm
Tire rear (1), pneumatic	4.5 x18.5 in 115x470 mm
Tire rear (2), foam-filled (x4)	4.5 x15.5 in 115x395 mm
Engine-gasoline/LPG	
Gross Intermittent Power*	60.0 hp (44.7 kW) @3000 rpm
Tennant Governed Power	50.0 hp (37.3 kW) @2300 rpm
Engine-diesel	
Gross Intermittent Power*	24.8 hp (18.5 kW) @2300 rpm
Tennant Governed Power	24.8 hp (18.5 kW) @2300 rpm
Hydraulic pumps	1 propelling, 3 accessory

DUST CONTROL SYSTEM

Filter system (triple stage)	
Stage 1	Perma-Filter™
Stage 2	SweepMax® Plus Cyclonic Pre-Filter
Stage 3	Donaldson Ultra-Web® Nanofiber Canister Filter
Filter area	80 ft² 7.4 m²
Dust filtration (seasoned filter)	0.5 microns @ 99% efficiency
Shaker mechanism	ShakeMax® 360 Orbital Shaker
Vacuum fan diameter	11 in 280 mm
Vacuum fan speed	
Normal sweeping mode	4,600 rpm
Litter sweeping mode	5,500 rpm

MACHINE DIMENSIONS

Length	93 in 2,360 mm
Width	62.5 in 1,590 mm
Height without overhead guard	58 in 1,475 mm
Height with overhead guard	82.5 in 2,095 mm
Weight, Net (3-wheel)	3,570 lb 1,620 kg
Turning radius	65 in 1,650 mm
Minimum Aisle Turn (left)	113 in 2,870 mm

SAFETY SYSTEM

Fire protection	Thermo-Sentry™
Safety certification	UL label type G, LP, D
Forward speed when dumping	1.0 mph 1.6 km/h
Headlights/taillights	Standard

OPERATOR ERGONOMICS

Power steering	Adjustable foot pedal
System monitoring/warning lights	Tilt steering w/ horn
High-back seat	Touch panel controls

PRODUCT FEATURES

SweepMax® Plus	Duramer™ multi-level hopper dump
Perma-Filter™	Hopper access door
II-Speed™ sweeping	Industrial hydraulics and oil cooler
Touch-n-Go™ Controls	Operation color-coded wiring
Wrap-around bumper	Color-coded brush pressure guide
T-beam frame construction	No-tool brush change
Triple accessory pumps	No-tool filter change
Soft ride tires	

OPTIONAL EQUIPMENT

Audio-visual backup alarm	Blower attachment
Light packages	Vacuum wand
Rear tower bumpers	Enclosed cab (FOPS)
Overhead guard (ANSI)	Fire extinguisher
Dual side brushes	Steel hopper
WaterShield™ side brush wet dust control	HEPA dust filter**

WARRANTY

Please see to your local Tennant representative for information.

Specifications based on standard machine configurations, no options.
Specifications subject to change without notice.

For a complete selection of genuine Tennant brushes and pads, please consult the S30 Parts and Consumables Reference Guide.

*Per SAE J1995.

**HEPA dust filter – Stage 4 of filtration. Filters to 0.3 microns @ 99.97% efficiency.