



Sentinel Specifications | High-Performance Outdoor Sweeper

SWEEPING SYSTEM

Sweeping style	Direct throw
Cleaning path	
Single side brush	69 in 1,750 mm
Dual side brushes	87 in 2,210 mm
With dual side brushes and Vario Sweeping Brush™	126 in 3,200 mm
Coverage rate per hour - single side brush	
Average (6 mph, 6 in overlap)	166,320 ft² 15,470 m²
Maximum (14 mph, no overlap)	425,040 ft² 39,260 m²
Coverage rate per hour – dual side brush	
Average (6 mph, 6 in overlap)	213,840 ft² 19,890 m²
Maximum (14 mph, no overlap)	535,920 ft² 49,500 m²

BRUSH DRIVE SYSTEM

Main brush length (tubular)	51 in 1,295 mm
Main brush lift	Hydraulic
Main brush diameter	24 in 610 mm
Side broom diameter (disk)	32 in 810 mm
Vario Sweeping Brush™ Diameter	38 in 965 mm
Hopper volume capacity	3.4 yd³ 2.6 m³
Hopper weight capacity (stainless steel)	
Low dump	7,000 lb 3,175 kg
High dump	4,000 lb 1,815 kg
Hopper dump height	
Low dump	40 in 1,015 mm
High dump	114 in 2,895 mm

PROPELLING SYSTEM

Engine-Diesel, Cummins Tier 4 Final, Stage IV	
Gross Intermittent Power*	75.0 kW (100.6 hp) @2200 rpm
Tennant Governed Power	75.0 kW (100.6 hp) @2200 rpm
Or	
Engine-Diesel, Cummins Tier 3, Stage IIIA	
Gross Intermittent Power*	74.0 kW (99.2 hp) @2200 rpm
Tennant Governed Power	74.0 kW (99.2 hp) @2200 rpm
Propel speed forward (variable to)	25 mph 40.2 km/h
Propel Speed reverse (variable to)	
Propel Type	Hydrostatic
Tires (4 - front and rear)	Bias ply pneumatic
Hydraulic pumps (standard)	1 propelling, 2 accessory
Gradeability	
Full hopper	8 deg 14%
Empty hopper	12 deg 21%
Ground clearance	
Transport	7.5 in 190 mm
Sweeping	4.5 in 115 mm

DUST CONTROL SYSTEM

Filter system	Dry-filtering
Filter type	Mildew resistant, synthetic envelope style
Filter area	221 ft² 21 m²
Dust filtration (to)	PM-10 certified, AQMD-Rule 1186 Certified
Shaker mechanism	Hydraulic beater bar
Vacuum fan motor (2)	15 hp each 11 kW each
Vacuum fan speed	3600 rpm
Vacuum fan diameter	14 in 356 mm

MACHINE DIMENSIONS

Length	
Standard machine	175 in 4,445 mm
With Vario Sweeping Brush	206 in 5,230 mm
Width	70 in 1,780 mm
Height	102 in 2,590 mm
Weight, net base machine (Tier 4 Final, Tier 3)	12,600 lb 5,715 kg
	12,500 lb 5,670 kg
Turning radius	13 ft 4 m
Wheel base	117 in 2,970 mm

SAFETY SYSTEM

Fire protection	Thermo-Sentry™
Reduced speed when dumping	Standard
Headlights/taillights	LED taillights

OPERATOR ERGONOMICS

4-wheel power steering	High-back seat
Tilt steering	Heater/defroster
Pressurized cabin	System monitoring/warning lights

PRODUCT FEATURES

Premium carbide skids	Twin vac fans
Total View™ glass doors	PerformanceView™ camera system
Audio back-up alarm	Polypropylene main brush
Back-up rear lights	Leaf spring suspension
Stainless steel hopper	Ladder frame construction
LCD Instrument Panel Display	

OPTIONAL EQUIPMENT EXAMPLES

Light packages	Multi-level dump
Vacuum wand	High-pressure sprayer
Auto lube	Air ride suspension seat
Dual side brushes	

WARRANTY

See your local representative for warranty information.

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

*Per SAE J1995