



CREATING A CLEANER, SAFER, HEALTHIER WORLD.

EQUIPMENT



Sentinel[®]

HIGH-PERFORMANCE OUTDOOR SWEEPER

- Deliver excellent sweeping performance in the harshest, most congested environments
- Achieve consistent cleaning results from all-weather sweeping capability
- Ensure a healthy and safe environment with improved air quality from PM-10 certified dust control system
- Maximize operator comfort and safety with full-view, cab-forward design

KEY SENTINEL® SWEEPER FEATURES TO HELP MAXIMIZE PRODUCTIVITY, REDUCE COSTS, AND INCREASE SAFETY



- **Effectively clean uneven surfaces** with main brush center-point suspension.
- **Meet the most stringent PM-10 environmental air quality requirements** with hydraulic twin-vacuum dust control system.
- **Lock out noise and dust** for increased operator safety with roomy, sealed pressurized cab interior.
- **Easily power off vacuum fans** when sweeping in wet conditions with separate vacuum fan shutoff.
- **Lessen vibration and increase operator comfort** with pneumatic tires and leaf-spring suspension.
- **Sweep on both sides of the machine** with optional Vario Sweeping Brush™.
- **Steer clear of obstacles and increase visibility around the machine** using in-cab monitor and PerformanceView™.
- **Prevent double-handling of debris** and discharge into large roll offs and dump trucks with optional multi-level dump hopper.
- **Increase machine awareness and improve safety** with optional front and rear warning lights.
- **Easily monitor machine performance** with high-visibility touch-screen control panel.
- **Effectively train operators** with on-board training videos.
- **Multiple configurations for your cleaning needs:**
 - Dry Side Brush Dust Control
 - Wet Side Brush Dust Control
 - Wet and Dry Side Brush Dust Control

A HIGH-PERFORMANCE, ALL-WEATHER OUTDOOR SWEEPER WITH EXCEPTIONAL DUST CONTROL FOR CLEANING IN HARSH, CONGESTED ENVIRONMENTS



THE SENTINEL® DELIVERS EXCEPTIONAL BENEFITS TO MEET YOUR SWEEPING CHALLENGES



REDUCE COST TO CLEAN

Keep costs low with solid shaft design that increases conveyor life over previous models, reducing cost of ownership.



HEALTH & SAFETY

Protect employees and facilities from potentially harmful dust with the unique, twin-vacuum all-weather dry dust control system with PM-10 certification.



ENHANCE FACILITY IMAGE

Ensure your facilities always look great with a robust and proven design that enables you to sweep in any season.



EASY OPERATION & MAINTENANCE

Deliver consistent sweeping results and easily maneuver through congested areas with four-wheel power steering.

INSIDE THE

Sentinel[®]

Long lasting synthetic filter made from water-resistant, singed polyester helps protect filter life

Solid shaft design with built-in conveyor obstruction alert maximizes conveyor life

100.6 hp / 75 kW Cummins turbo diesel engine increases machine effectiveness in tough applications

Hydraulic twin-vacuum fans maximize dust control

Standard audio back-up and hopper raise alarm for operator and employee protection

TotalView™ glass doors and cab-forward design maximize sweeping safety

Corrosion-resistant stainless steel hopper captures virtually all types of debris

Available air ride suspension seat enhances operator comfort and safety.

Hydraulic-driven, spring-loaded side brush retracts on impact for decreased maintenance costs

Left-hand side brush widens sweeping path to 87 in / 2,210 mm for increased productivity

Main brush center-point suspension for sweeping uneven surface types

Direct throw system and debris conveyor collects virtually all forms of debris

Excellent dry dust control featuring full skirting around side brushes and main brush, using durable high-density polyethylene skirts and rubber coated nylon covers.

Wet dust control with adjustable spray nozzles helps knock down dust with fine water mist fed from a 94 gal / 355 liter on-board water tank.

Machine maintenance made quick with easy access to engine and conveyor.

(Photo shown with optional accessories.)



ENGINEERED FOR PRODUCTIVITY AND VERSATILITY

TECHNOLOGY PROVIDES GREATER FLEXIBILITY IN HARD TO REACH AREAS

Optional Vario Sweeping Brush™ allows the Sentinel the ability to sweep on top of curbs, collect hard to reach debris from corners, around fixed obstacles and in congested areas for increased productivity and more effective sweeping.



OPTIONAL VARIO SWEEPING BRUSH™



ONE-TOUCH ACTIVATION

..... One touch activation simplifies operator training with controls that enable sweeping systems to be activated with a single button.

4-Wheel power steering allows easy access to tight spaces by delivering a 13 ft / 3,960 mm turning radius with exceptional maneuverability.



4-WHEEL STEERING



PERFORMANCEVIEW™ CAMERA SYSTEM

..... Safely monitor the side and rear areas of the machine with the PerformanceView™ camera system.



SELF-TENSIONING CONVEYOR

Optional vacuum wand enables operators to clean under and around obstructions.

Optional high-pressure spray hose delivers powerful off-machine cleaning.

Optional 9.5 ft / 2,900 mm multi-level dump, with hopper overload indicator, enables you to easily empty debris in most places you need.

Optional Central Lubrication System provides automatic greasing of critical components to ensure proper machine performance and maximum life.

KEY OPTIONS



TENNANTTRUE® PARTS, SERVICE AND FINANCE SOLUTIONS

- Reduce rework and improve uptime by leveraging TennantTrue parts and service.
- Ensure optimal cleaning performance by selecting a TennantTrue Service program provided by a network of over 450 factory-trained Tennant service representatives.
- Simplify budgeting by bundling TennantTrue service plans, including parts, into the purchase or financing of your machine.

Lease. Pre-Owned. Rent. Tennant has flexible options that get you the machines you need, however you need them.

SENTINEL® HIGH-PERFORMANCE OUTDOOR SWEEPER

SWEEPING SYSTEM

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

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 yd ³ / 2.6 m ³
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, turbo diesel, Cummins Tier 4 Final/Stage IV	
Gross Intermittent Power*	100.6 hp / 75 kW @2200 rpm
Tennant Governed Power	100.6 hp / 75 kW @2200 rpm
Propel speed forward (variable to)	25 mph / 40 km/h
Propel Type	Hydrostatic
Gradeability	
Full hopper	8 deg / 14%
Empty hopper	12 deg / 21%

DUST CONTROL SYSTEM

Filter system	Dry-filtering
Filter type	Mildew resistant, synthetic envelope style
Filter area	221 ft ² / 21 m ²
Dust filtration (to)	PM-10 certified, AQMD-Rule 1186 Certified
Vacuum fan motor (2)	15 hp each / 11 kW each

MACHINE SPECIFICATIONS

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 / 2,580 mm
Weight-net base machine	12,600 lb / 5,715 kg
Turning radius	13 ft / 4 m

WARRANTY

See your local representative for warranty information.

*Per SAE J1995
Specifications subject to change without notice.

SEEING IS BELIEVING

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