



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



- **Main brush center-point suspension** allows main broom to follow the contours of uneven surfaces for optimum sweeping and dust control.
- **Hydraulic twin-vacuum dust control system** meets the most stringent PM-10 environmental air quality requirements.
- **Roomy, sealed pressurized cab interior** keeps noise out and dust down for increased operator safety.
- **Separate vacuum fan shutoff** allows operator to easily power off vacuum fans when sweeping in wet conditions.
- **Pneumatic tires with leaf-spring suspension** absorb many road shocks for less vibration of components and operator comfort.
- **Optional Vario Sweeping Brush™** sweeps on both sides of the Sentinel with a 56 in / 1,420 mm reach from machine side to outside tips of the brush.
- **Optional rear vision camera with in-cab monitor** helps to provide 360° visibility around the machine for safe maneuvering.
- **Optional multi-level dump hopper** enables discharge into large roll offs and dump trucks preventing double handling of debris.
- **Optional front and rear warning lights** provide high visibility for maximum machine awareness.
- **Sentinel dust control configurations:**
 - 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 are always looking 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

Hydraulic twin-vacuum fans maximize dust control

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

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

Main brush center-point suspension for sweeping uneven surface types

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

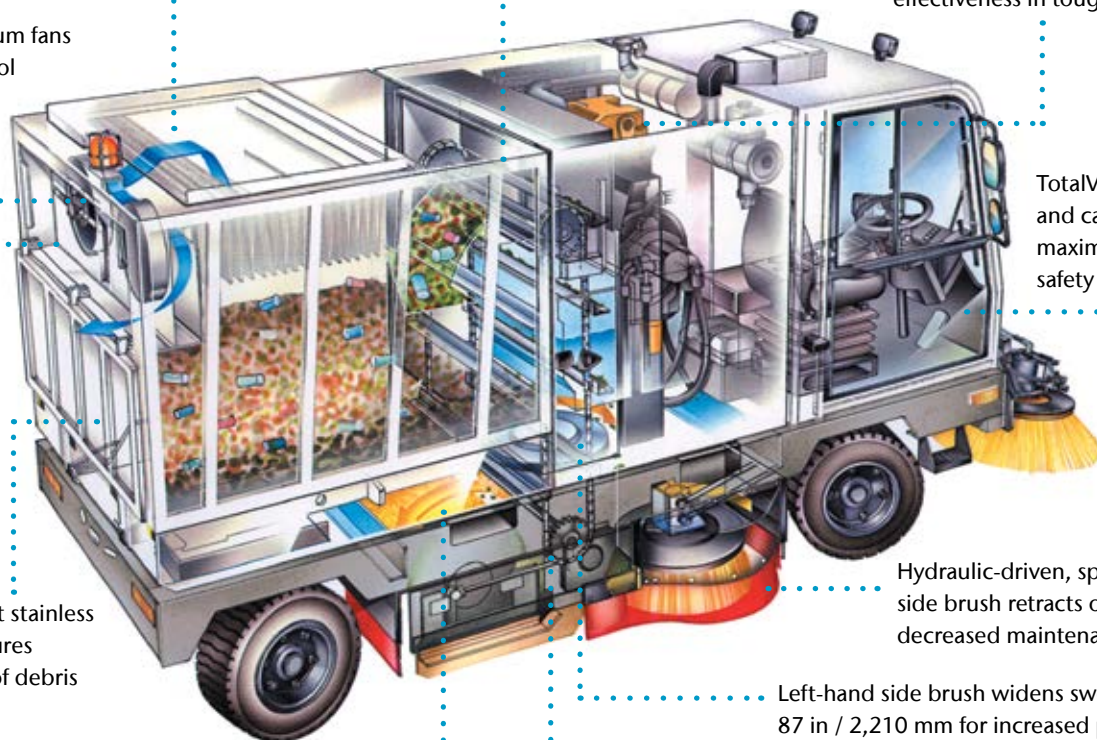
99.9 hp / 74 kW CAT turbo diesel powered engine increases machine effectiveness in tough applications

TotalView™ glass doors and cab-forward design maximize sweeping 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

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.

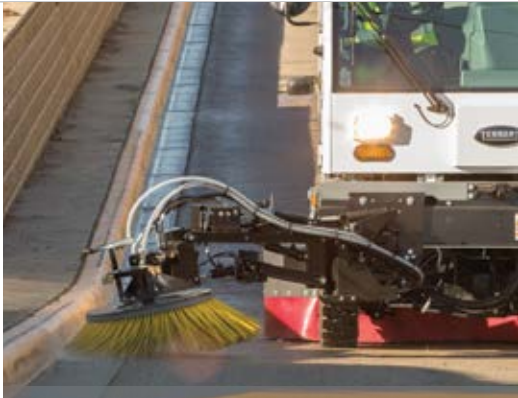
(Photo shown with optional accessories.)



ENGINEERED FOR PRODUCTIVITY AND VERSATILITY

TECHNOLOGY PROVIDES GREATER FLEXIBILITY IN HARD TO REACH AREAS

Optional Vario Sweeping Brush™ allows the Sentinel to collect hard-to-reach debris from corners while keeping the sweeper from riding up on curbs; giving the operator the ability to sweep on top of curbs, 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



OPTIONAL MULTI-LEVEL DUMP

- 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.



CONVEYOR SELF-TENSIONING

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

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

Optional rear view camera provides additional visibility for easy maneuvering.

Optional air ride suspension seat enhances operator comfort and safety.

KEY OPTIONS



TENNANTTRUE® PARTS, SERVICE AND FINANCE SOLUTIONS

- Reduce rework, labor and safety costs by using only TennantTrue parts and service.
- Ensure optimal cleaning performance by selecting a TennantTrue Service program.
- Simplify budgeting by bundling TennantTrue service plans, including parts, into the purchase or financing of your machine.

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 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, turbo diesel, Caterpillar	99 hp / 74 kW
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 ft² / 21 m²
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	100 in / 2,540 mm
Weight-net base machine	12,500 lb / 5,670 kg
Turning radius	13 ft / 4 m

WARRANTY

See your local representative for warranty information.

Specifications subject to change without notice.

SEEING IS BELIEVING

For a demonstration or additional information,
send an email to info@tennantco.com

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