



CREATING A CLEANER, SAFER, HEALTHIER WORLD.



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 a PM-10 certified dust control system
- Maximise operator comfort and safety with a full-view, cab-forward design

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



- **Main brush centre-point suspension** allows the 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 pressurised cab interior** keeps noise and dust out for increased operator safety.
- **Separate vacuum fan shut-off** allows the operator to easily power off the vacuum fans when sweeping in wet conditions.
- **Pneumatic tyres with leaf-spring suspension** absorbs many road shocks for less vibration of components and operator comfort.
- **Optional Vario Sweeping Brush™** sweeps on both sides of the Sentinel with a 1,420 mm reach from the machine side to the outside tips of the brush.
- **Optional rear vision camera with an 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

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 maximises conveyor life

74 kW CAT turbo diesel powered engine increases machine effectiveness in harsh applications

Hydraulic twin-vacuum fans maximise dust control

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

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

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

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

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

Main brush centre-point suspension for sweeping uneven surface types

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

REDUCE COST TO CLEAN

Keep costs low with a 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.

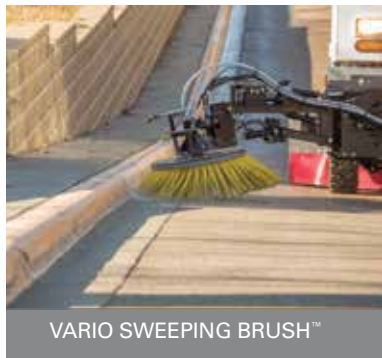
ENHANCE FACILITY IMAGE

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.

ENGINEERED FOR PRODUCTIVITY AND VERSATILITY



VARIO SWEEPING BRUSH™

Optional Vario Sweeping Brush™ allows the Sentinel to collect debris from corners while keeping the sweeper from riding up on curbs; giving the operator the ability to sweep on top of curbs and around fixed obstacles for increased productivity and more effective sweeping.



OPTIONAL MULTI-LEVEL DUMP

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



4-WHEEL STEERING

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



ONE-TOUCH ACTIVATION

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

SENTINEL® HIGH-PERFORMANCE OUTDOOR SWEEPER

SWEEPING SYSTEM

Cleaning path	
Single side brush	1,750 mm
Dual side brushes	2,210 mm
With dual side brushes and Vario Sweeping Brush™	3,200 mm

BRUSH DRIVE SYSTEM

Main brush length (tubular)	1,295 mm
Main brush lift	Hydraulic
Main brush diameter	610 mm
Side broom diameter (disk)	810 mm
Vario Sweeping Brush™ diameter	965 mm
Hopper volume capacity	2.6 m³
Hopper weight capacity (stainless steel)	
Low dump	3,175 kg
High dump	1,815 kg
Hopper dump height	
Low dump	1,015 mm
High dump	2,895 mm

PROPELLING SYSTEM

Turbo Diesel, Caterpillar Engine	74 kW
Propel speed forward (variable to)	40 km/h
Propel type	Hydrostatic
Gradeability	
Full hopper	8° / 14%
Empty hopper	12° / 21%

DUST CONTROL SYSTEM

Filter system	Dry-filtering
Filter type	Mildew resistant, synthetic envelope style
Filter area	21 m²
Dust filtration	PM-10 certified, AQMD-Rule 1186 Certified
Vacuum fan motor (2)	11 kW each

MACHINE SPECIFICATIONS

Length	
Standard machine	4,445 mm
With Vario Sweeping Brush™	5,230 mm
Width	1,780 mm
Height	2,540 mm
Weight - net base machine	5,670 kg
Turning radius	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, email us at **contactus@tennantco.com**

Get yours now on Tennant Finance!
Take advantage of a convenient and flexible finance solution to acquire your Tennant machine today.

Sentinel Brochure - AU 3/15
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