



CREATING A CLEANER, SAFER, HEALTHIER WORLD.

EQUIPMENT



# Sentinel<sup>®</sup>

## 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.

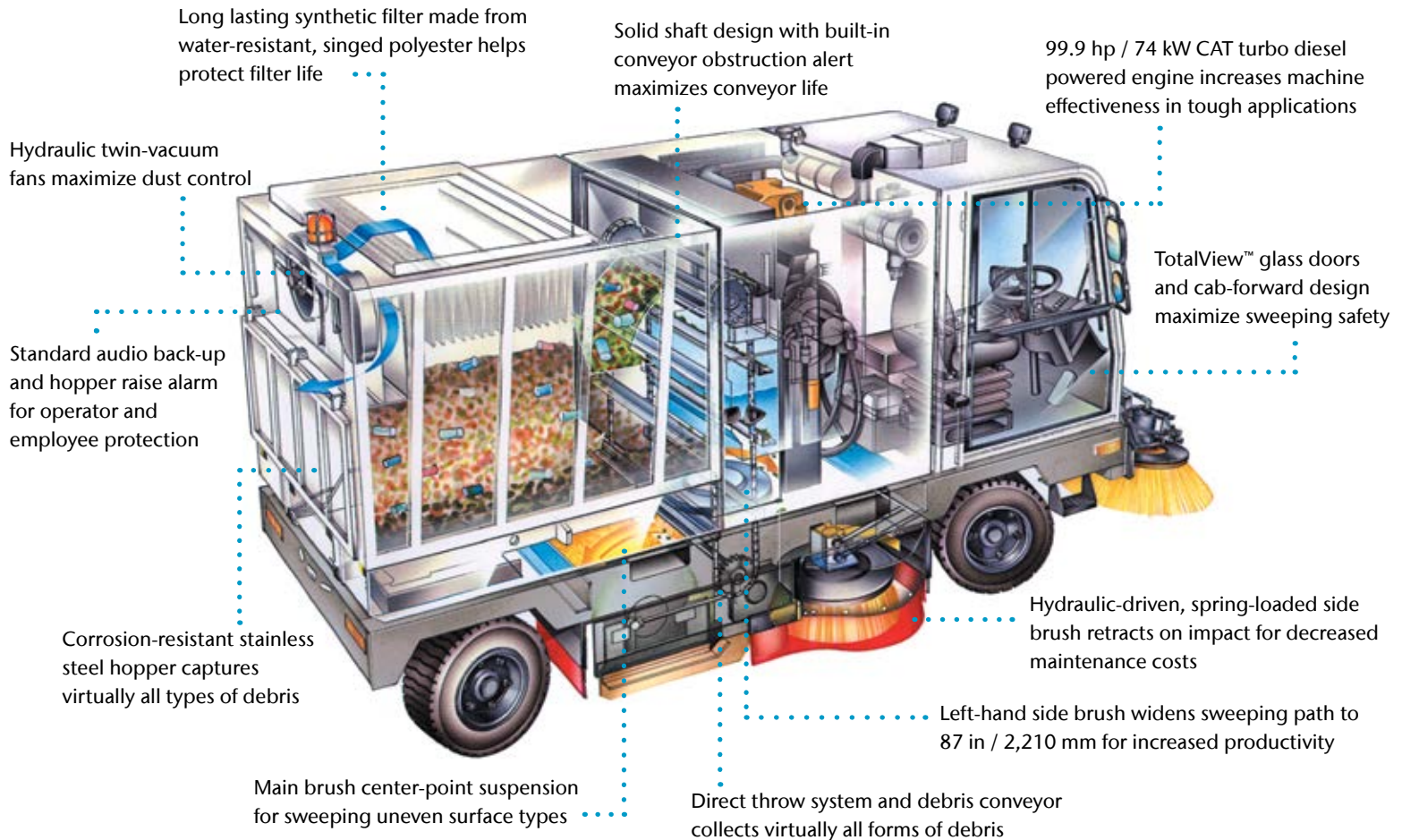


### EASY OPERATION & MAINTENANCE

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



# INSIDE THE Sentinel®



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.

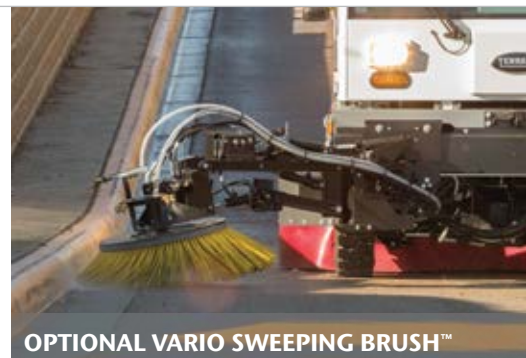
(Photo shown with optional accessories.)



## 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 provided by a network of over 400 factory-trained Tennant service representatives.
- Simplify budgeting by bundling TennantTrue service plans, including parts, into the purchase or financing of your machine.

Choose GE Capital or U.S. Bancorp,  
our leasing providers, for simple, quick  
financing with flexible upgrade options.

## 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,  
call +1.800.553.8033 or email [info@tennantco.com](mailto:info@tennantco.com)

Tennant  
701 North Lilac Drive  
Minneapolis, MN 55422 USA

USA/Canada: +1.800.553.8033  
Quebec: +1.800.361.9050  
Overseas: +1.763.540.1315

[www.tennantco.com](http://www.tennantco.com)  
[info@tennantco.com](mailto:info@tennantco.com)