



REINVENT HOW THE WORLD CLEANS



# Z50 Citadel™

## Outdoor sweeper

An ideal outdoor sweeper for facility owners and operators that require exceptional cleaning results, high productivity, and reliable operations.

### Standard technologies



Eco-Mode™



Rear PerformanceView™ Camera



1-Step™ Start



TwinLift Debris  
Management System



EU Emissions PM 2.5 / PM 10  
4-star Certified

# Don't compromise your **clean**



**1. Reduce operator training** and start sweeping quickly with 1-Step™ start button and intuitive controls on the standard 10" touch screen.

**2. Optimize cleaning performance** across a variety of surface and debris types with hydraulically-regulated, highly controllable side brushes.

**3. Maneuver through tight outdoor spaces** with standard 4-wheel power steering, delivering a 14.5 ft/4.4 m turning radius.

**4. Maintain excellent operational visibility** with a fully-glazed cab and standard rear PerformanceView™ camera.

**5. Spend more time sweeping** and less time handling debris with the 3.5 yd³/2.7 m³ hopper, hopper full indicator, and efficient hopper loading.

**6. Promote safe operation** with hydraulic lock outs, internal and external emergency stop buttons, and high-visibility warning lights.

## Featured machine options\*



Sweep on top of curbs and around obstacles with the optional **articulated front brush**.



Conduct effective secondary or tight space cleaning with the optional **vacuum hose**.



Efficiently spot clean equipment and remove debris with the optional **pressure washer**.

\*Optional features vary between application packages. Consult current application package documentation for a complete list of included optional features.

# Inside the Z50 Citadel

The TwinLift Debris Management System delivers exceptional all-around debris capture performance, fine dust and particulate control, and efficient hopper loading.

**TwinLift**  
DEBRIS MANAGEMENT SYSTEM



- 1. Side brushes** sweep debris into the sweeping path.
- 2. Main brush** sweeps debris towards the shredder and suction intake.
- 3. Industrial shredder** pulverizes debris into the suction channel.
- 4. Powerful vacuum suction** lifts shredded debris into the collection hopper.
- 5. Air passes through filtration stages** to exhaust filtered air to the environment.

## Application packages

### Core

Core performance and productivity.

### Industry Dry Dust

Debris collection and cleaning features oriented towards industrial dry dust and sand sweeping environments.

### Municipal

Debris collection and operator convenience features oriented towards municipal outdoor cleaning.

### Industry Wet Dust

Debris collection and cleaning features oriented towards industrial environments with requirements for wet dust control.

### Plus

Adds premium features that enhance the cleaning experience to each application package, including:

- Hopper Remote, Rear Axle Lock, Automatic Central Lubrication, Adaptive Sound Alarm, Premium Seat, Stainless Hopper
- Plus features vary by application package

# Z50 Citadel specifications

## SWEEPING SYSTEM

Cleaning path, main brush	1400 mm / 55 in
Cleaning path, dual side brushes	2480 mm / 98 in
Cleaning path, dual side brushes with front articulated brush	3130 mm / 123 in

## BRUSH DRIVE SYSTEM

Main brush length   diameter	1400 mm / 55 in   580 mm / 23 in
Side brush diameter	900 mm / 35 in
Front articulated brush diameter	750 mm / 30 in

## HOPPER SYSTEM

Hopper volume gross capacity   net capacity	4.1 m <sup>3</sup> / 5.4 yd <sup>3</sup>   2.4 m <sup>3</sup> / 3.14 yd <sup>3</sup>
Dump height, low dump   high dump	1.27 m / 50 in   1.822 m / 72 in

## VACUUM AND DUST CONTROL SYSTEM

Filter system	Dry filtering
Filter material	Variable media filter
Filtration surface	538 ft <sup>2</sup> / 50 m <sup>2</sup>
Air flow rate	12,330 m <sup>3</sup> /hr / 7,257 CFM
Vacuum motor power	40 hp / 30 kW
Filtration rating	PM 2.5, PM 10 4-star

## PROPEL SYSTEM

Engine type	VM R754 Tier 4F
Engine fuel	Diesel
Engine power	107 hp / 80 kW
Propel type	Hydrostatic
Transit speed (variable to)	40 kmph / 25 mph
Working speed (variable to)	20 kmph / 12.5 mph
Gradeability, full hopper	20%

## MACHINE SPECIFICATIONS

Length, standard machine   with front articulated brush	5050 mm / 19 9in   5450 mm / 215 in
Width	1900 mm / 75 in
Height, operating   transfer	2750 mm / 108 in   2800 mm / 110 in
Dry weight (full configuration, empty hopper)	5930 kg / 13,073 lb
Gross vehicle weight (GVW)	9000 kg / 19,842 lb
Curb-to-Curb Turning Radius (4-wheel steer)	4440 mm / 175 in

## OTHER SPECIFICATIONS

Wheels	245/70 R17.5 Pneumatic
Water tank capacity	200 + 200 L (opt) / 56 + 56 gal (opt)

## WARRANTY

See your local representative for warranty information

Specifications subject to change without notice and will vary throughout the operation of the machine, averages are shown.

## Tennant – Reinvent how the world cleans

With a vision to become a global leader in sustainable cleaning innovation that empowers our customers to create a cleaner, safer and healthier world, Tennant creates solutions that are changing the way the world cleans.



### We are where you are

Tennant has the industry's largest direct sales and service organization and a well-supported network of authorized distributors worldwide.



### Solutions for your unique needs

Whatever your cleaning needs, Tennant offers a variety of high quality equipment to help you increase your cleaning productivity.



### Buying, leasing, renting

We offer flexible options to get you the machines you need, however you need them.



### TennantTrue®

Optimize equipment performance and protect your investment with TennantTrue® parts and service.

For a demonstration or additional information, call **+1.800.553.8033** or email **info@tennantco.com**

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