

THE FIRST IN A NEW GENERATION OF ELECTRIC SWEEPERS



500 ZE



BY APPOINTMENT TO HM THE QUEEN
SUPPLIERS OF SWEEPING MACHINES

THE NEW ELECTRIC SWEEPER

The 500ze from Green Machines uses innovative Lithium ion technology to sweep for an entire 8 hour non-stop shift (TÜV certified) without recharging. The complete absence of CO₂ or engine emissions make it perfect for operation in enclosed or crowded pedestrian areas. The combination of low noise and operating cost helps make the 500ze the perfect solution for today's environmentally aware users.



ZERO EMISSIONS

The 500ze emits no carbon or exhaust emissions creating cleaner cities and cleaner air for pedestrians. CO₂ reduction compared to a compact sweeper is the equivalent of removing the CO₂ output of 40 passenger cars. This allows the 500ze to provide a vital step in assisting cities to meet their carbon emission targets.

VIRTUALLY SILENT IN TRANSIT

Operate the 500ze with confidence in early morning or late at night and in noise sensitive areas such as parks, schools, hospitals, residential areas. In transit mode it is difficult to hear the 500ze over the gentle rustling of trees!

INNOVATIVE POWER

The 500ze is powered by dual Lithium-ion battery packs. Its onboard management system intelligently monitors and balances energy levels to achieve maximum performance. Recharging can be completed in 4 hours, and the innovative design allows battery packs to be quickly exchanged if required.

RELIABLE AND LOW RUNNING COSTS

The power and efficiency of Lithium Ion technology makes energy supply as reliable as conventional fuel. The 500ze has real-time battery charge display, low battery alarm and intelligent charge monitoring.

VERSATILE AND COMPACT

Innovative design providing a 0.75m³ capacity hopper, a 1900mm sweep path, a 2.05m turning circle, 2m clearance height, independent joystick-controlled brushes, no fumes and low vehicle weight mean the 500ze can go almost anywhere without damaging surfaces!

SWIFT, SAFE AND COMFORTABLE

With a top speed of 25kph the 500ze can move swiftly between sweep areas while providing a car quality ride. The ergonomically designed cabin and control panel provide class-leading operator comfort.



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A

Increase safety with all round visibility.

B

Sweep around obstacles with independently operated dual brushes for detailed cleaning wherever needed. Brushes adjust to a 1.9 meter cleaning path for maximum sweeping effectiveness.

C

Improve productivity with one-touch intelligent switching between sweep and transit modes.

D

Rely on the 500ze vacuum sweeper's durable, best-in-class construction to meet the toughest sweeping tasks.

E

The advanced vehicle management system provides simplified operation and troubleshooting with built in monitoring, logging and diagnostic features.

F

Experience increased operator comfort and ride with 4 wheel automotive type suspension system.

G

Twin lithium-ion battery packs provide up to 8 hours of full sweeping performance.

H

Make routine maintenance and service quick and easy with complete access to all major systems.



B



H

CONSERVE NATURAL RESOURCES AND YOUR BUDGET

CloudMaker benefits the environment by using up to 70% less water than traditional sweeper dust control technologies. It reduces costs by eliminating the need for complicated water recycling systems which require regular maintenance and cleaning of filters, tanks, and nozzles. An ultra fine mist of water is used to envelop dust particles to provide optimal containment and reduce inconvenience to pedestrians.



3-STAGE DUST CONTROL SYSTEM

Each stage knocks down dust, forcing it out of the airflow and into the hopper as it moves through the system.

3

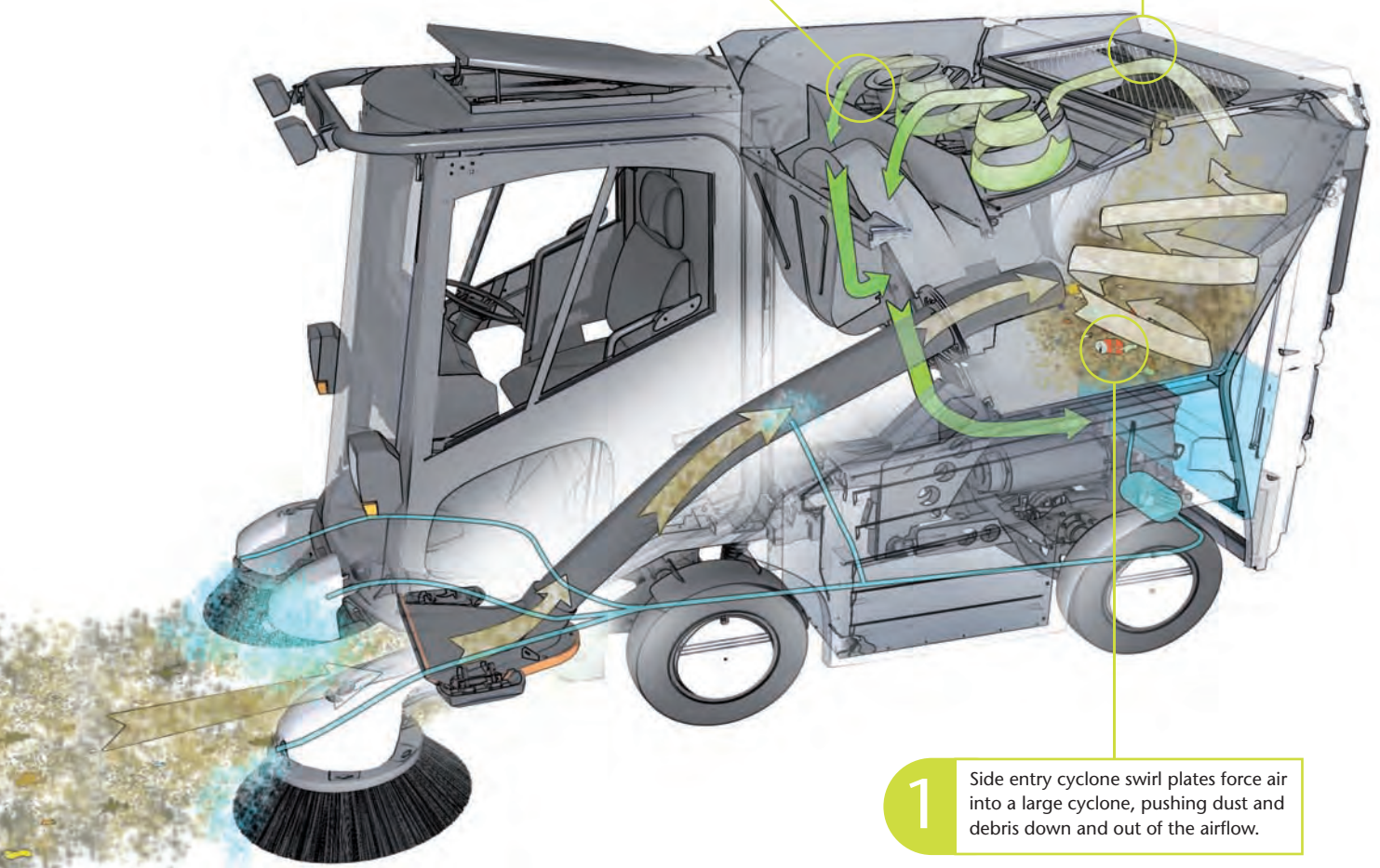
Finally, twin cyclones create a cyclonic action that spins virtually all of the remaining dust out of the airflow before the air is discharged from the rear of the machine.

2

Next, the air passes around and through stainless steel filter screens.

1

Side entry cyclone swirl plates force air into a large cyclone, pushing dust and debris down and out of the airflow.



5 KEY FACTS

- 8 hours full operation per charge
- Virtually silent in transit
- Zero CO₂ and engine emissions
- Low water usage
- Full performance municipal sweeper

GENUINE GREEN MACHINES PARTS, SUPPLIES, AND SERVICE

Operate your machine with confidence by choosing genuine Green Machines parts. Only authentic Green Machines parts are engineered in conjunction with Green Machines equipment. For years of worry-free operation, accept only genuine parts and supplies.

OPTIONAL EQUIPMENT

- Air conditioning
- Color CCTV reverse camera
- Pressure washer
- Central greasing
- Radio/CD player



Certified by ISO9001

500ze MACHINE SPECIFICATIONS*

SWEEPING SYSTEM

Type	Vacuum sweeper
Cleaning path: minimum (brushes in)	1,300 mm
Maximum (brushes fully extended)	1,900 mm
Hopper volume capacity	0,75 m ³

PROPELLING SYSTEM

Drive motor	15kW (max) Induction AC traction motor
Suspension: front & rear	automotive type coil over-shock suspension
Travel speed	up to 25 km/h
Sweeping speed	0-12 km/h

DUST CONTROL SYSTEM

Dust filtration separation	Three stage filtration
Stage 1	Side entry cyclone swirl plate
Stage 2	Stainless steel filter screen
Stage 3	Twin cyclones
Dust suppression system	
CloudMaker™	Standard
Vacuum impeller	10 blade alloy steel

MACHINE DIMENSIONS

Length: standard machine	3,330 mm
Width: machine hard width	1,200 mm
Height: beacon folded down	1,980 mm
Weight:	
Kerb Weight	2,300 kg
GVW	2,670 kg
Wheel base	1,400 mm
Turning dimensions	
Kerb-to-kerb	5,100 mm
Wall-to-wall	6,800 mm

* specifications subject to change

CITY CLEANING SOLUTIONS FROM TENNANT COMPANY



600 SERIES



400 SERIES



A60



A85



SENTINEL®



ATLV® 4300

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