



CREATING A CLEANER, SAFER, HEALTHIER WORLD.

EQUIPMENT



# 500ze

## THE FIRST IN A NEW GENERATION OF ELECTRIC SWEEPERS

- Sweep an entire 8-hour non-stop shift (Tüv Rheinland tested) with the Tennant Green Machines® 500ze using innovative Lithium-ion technology
- The absence of CO<sub>2</sub> or engine emissions and the low noise make the 500ze perfect for operation in enclosed or crowded pedestrian areas
- Cloudmaker® dust control technology provides exceptional dust control, while using up to 70% less water than traditional street sweepers



## THE IMPRESSIVE SUCTION & SWEEPING PERFORMANCE OF THE 500ZE IS EQUAL TO A COMPACT SWEEPER ON THE MARKET.



### ZERO EMISSIONS

The 500ze emits no carbon or exhaust emissions creating cleaner cities and cleaner air for pedestrians. The battery-powered street sweeper saves up to 78 tonnes of carbon dioxide over five years. 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 make battery power supply as reliable as conventional fuel. The 500ze has real-time battery charge display, low battery alarm and intelligent charge monitoring.

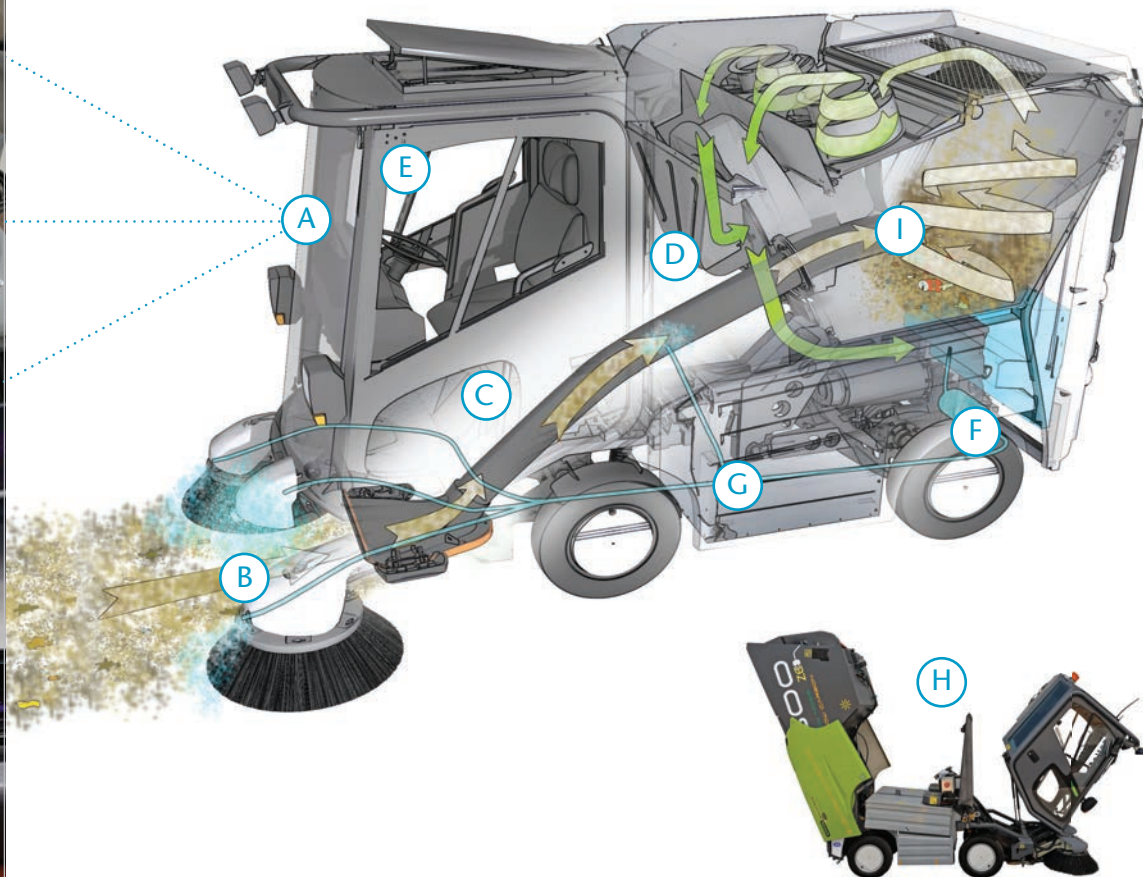
### VERSATILE AND COMPACT

Innovative design providing a 0.75m<sup>3</sup> capacity hopper, a 1900mm sweeping path, a 2.05m turning circle, 2m clearance height, independent joystick-controlled brushes, no exhaust fumes and low vehicle weight means the 500ze can go almost anywhere.



INSIDE THE

# 500ze



- 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 metre 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. Ergonomic design cabin and control panel provide class-leading operator comfort.

- 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.
- I** The maintenance-free 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. The remaining dust falls down in the hopper.

## GENUINE TENNANT PARTS, SUPPLIES AND SERVICE

### Tennant Service Offering

- Maximise safety, productivity and uptime
- Control and protect your investment and lower your total cost of ownership
- Benefit from over 200 factory-trained service technicians across Europe

### Tennant Parts & Supplies

- Operate your machine with confidence
- Benefit from years of worry-free operation

### Tennant Cleaning Solutions

- Further your sustainable cleaning goals
- Choose sustainable benefits your company wants



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 m³        |

### 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    | Standard                       |
| CloudMaker™                |                                |
| Vacuum impeller            | 10 blade alloy steel           |

### 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                                  |

### MACHINE DIMENSIONS

|                           |          |
|---------------------------|----------|
| Length                    | 3,330 mm |
| Width                     | 1,200 mm |
| Height                    | 1,980 mm |
| Weight                    |          |
| Kerb Weight               | 2,300 kg |
| GVW                       | 2,670 kg |
| Wheel base                | 1,400 mm |
| Turning radius dimensions |          |
| Kerb-to-kerb              | 2,750 mm |
| Wall-to-wall              | 3,550mm  |

### OPTIONS

Air conditioning  
Color CCTV reverse camera  
Pressure washer  
Central greasing  
Wander Hose  
Radio/CD/Bluetooth  
Customised colour

### WARRANTY

For warranty conditions please contact your local Tennant representative.

\* specifications subject to change