500ze
First impressions count. This does not only apply to people but also to towns, cities and municipalities. Neat and tidy public green areas, roads and paths do not only contribute to a good image for visitors and the local inhabitants, but are also a sign of a council which works perfectly. And they encourage people to keep the city clean and tidy. As far as cleaning is concerned, many details and secondary effects are important, especially as viewed by a critical public. In this context, economic efficiency is equally important as environmental compatibility.

For many years now, Green Machines have aimed to contribute decisively towards cleaner and tidier towns and cities by providing efficient and sophisticated sweeping machines. The electrically operated zero-emission models are the most recent outcome of this engineering work. They not only match the exacting sustainability concepts of urban centers, but are also extremely attractive, especially in terms of costs. We have also managed to enhance the performance of all Green Machines with conventional drive systems thanks to a host of clever details. For a city, its inhabitants, the environment and for all those who handle it on a daily basis.

Welcome to Green Machines!
The climate is at risk. On both a large and a small scale. As towns and cities struggle with respirable dust and exhaust emission limits, all efforts are being made to reduce CO₂ emissions. Green Machines offers sophisticated e-sweepers for these tasks right now.

OUR E-MISSION: ZERO EMISSION.

The new Green Machines model 500ze with its electrical drive, has already proved its worth in tough day-to-day work. Without exhaust emissions, of course. And also practically almost without noise emissions. In combination with electricity generated from solar, wind and water power, a cleaning concept has been created which now benefits many towns and cities with lasting effect. We look forward to presenting to you the world of Zero Emission Cleaning in person.
The electrically operated Zero-Emission models of Green Machines use the latest generation of lithium ion storage batteries. They last the whole working day. At unbeatably low energy costs - just 3 € per charge. Thus, the acquisition costs pay for themselves in no time.

As an alternative, you can rent the storage battery in the scope of our program, which is good to save your assets.
Green Machines

500ze

Zero emission, almost zero noise, extremely energy- and cost-saving: the 500ze is a new generation of environmentally compatible city cleaning. Thanks to its innovative design, it also covers areas which are out of reach for other machines.

The new generation of electrical sweepers.
THE MARATHON MACHINE.

Lasting performance* for a clean town, city and environment.

1. Improved productivity thanks to intelligent single-button change-over feature between sweeping and transit mode.
2. Enhanced safety thanks to panoramic view.
3. Enhanced operating comfort and automotive four-wheel suspension.
4. Innovative vehicle management system with integral monitoring, selection and diagnostic feature facilitates operation and troubleshooting. The ergonomic design of the cab and the operation panel ensures maximum operating comfort.
5. Complete access to all the important systems for straightforward and speedy servicing and maintenance.
6. Double lithium-ion storage battery package for a maximum sweeping output for up to 16 hours without interruption.
7. Cyclone swirl plates with lateral openings build up a large cyclone which discharges dust and dirt through the bottom of the airflow.
8. Reliable, high-quality, durable and robust design for exacting sweeping work.
9. Two independently operated brushes enable efficient sweeping, even around obstacles. The brushes can be set to a cleaning track of 1.90 m for a maximum efficiency.
10. Complete access to all the important systems for straightforward and speedy servicing and maintenance.

*THE MARATHON MACHINE. Lasting performance for a clean town, city and environment.
## TECHNICAL SPECIFICATIONS

### SWEEPING SYSTEM
- **Type:** Sweeper
- **Working width:**
  - Minimum (brushes retracted): 1,300 mm
  - Maximum (brushes extended completely): 1,900 mm
- **Capacity of container for sweepings:** 1 m³

### DUST CONTROL SYSTEM
- **Stage 1:** Cyclon swirl plate with lateral openings
- **Stage 2:** Flat filter made of stainless steel
- **Stage 3:** Double cyclones

### DRIVE SYSTEM
- **Drive motor:**
  - 500ze: Induction DC traction motor
  - 500ze+: Single battery package
  - 500ze+: Double battery package
- **Suspension:**
  - Front and rear: Automobile helical springs with shock absorber

### DIMENSIONS OF THE MACHINE
- **Length:** 3,330 mm
- **Width:** 1,200 mm
- **Height:** 1,980 mm
- **GVW-500ze:** 2,325 kg
- **GVW-500ze+:** 2,670 kg
- **Wheelbase:** 1,400 mm
- **Turning circle:**
  - Curb to curb: 2,750 mm
  - Wall to wall: 3,550 mm

Technical data subject to change without prior notice.
FOR A CITY WORTH LIVING.