





### **KEEPS YOUR CITY CLEAN AND**

First impressions count. This does not only apply to people but also to cities, towns and municipalities. Neat and tidy public green areas, roads and paths do not only contribute to a good image for visitors and the local residents, but are also a sign of a council that works perfectly. 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. Economic efficiency is equally important as environmental compatibility.

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

### $2 \mid 3 \longrightarrow$ Green Machines $\longrightarrow$ Introduction $\longrightarrow$ The city as a living environment



Green Machines —

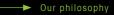
# OUR E-MISSION: ZERO EMISSION

▶ 415

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.



The new Green Machines model GM1ze, 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





# **OPERFORM**

▶ 617

The electrically operated Zero-Emission models of Green Machines use the latest generation of batteries. They last the whole working day. At unbeatably low energy costs. Thus, the acquisition costs pay for themselves in no time.

→ Green Machines → Efficient storage battery

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



GN Ze

New: The zero emission refuse cleaner.

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🔶 Green Machines –

### zero emission

The revolutionary GM1ze makes broom, picker and refuse pushcart a thing of the past. This compact machine saves time thanks to the powerful storage battery, is easy to operate and considerably enhances hygiene and safety.

zero emissior





# SMALL, SMART, CLEAN.

### Bye bye refuse! Thanks to the GM1ze.

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The features of GM1ze are obvious: special narrow design and a maximum operating time between 8 and 16 hours (depending on use). The GM1ze is predestined for low noise areas and offers improved motivation and appreciation of work for cleaning staff.



→ GM1ze

Batteries: 36 Volt of traction lead acid batteries. Running time; 8 – 16 hours depending on use

Suction: Mounted with anti-clogging grid to prevent blockage by plastic bags, paper, leaves etc. Suction Pipe: 4 59/64 in diameter. Fiber glass, less than 3.5 lbs Low maintenance, high productivity thanks to innovative design and ingenious choice of design details.

Motors and Voltage: Motor with at least 0,85 kW (Electric axle with PMDC motor, and integrated parking brake) to drive the machine, and at least 1,5 kW (brushless DC) suction power, Voltage: 36 Volt.

Control Arm: Ambidextrous handle with automatic dead-man position. Extra safety with grips control.

Water system: Electric water pump, intermittent water spray nozzle in container, 10 L water tank.

Chassis: Machine welded, durable structure, Electro-static paint.

## **TECHNICAL** SPECIFICATIONS.

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### GM1ze

Electric axle 36 V DC / 1.5 kW Electric motor for suction SERVOMOTOR (Brushless) Running time Suction Pressure > 25 mbar Snood 3.7 miles/h Belly Button on Tiller Head Yes Rabbit-turtle mode on Tiller Head Yes Parkina brake Yes (>180 Nm) Manual lever on parking brake Possibility to move the machine with the drive motor off (with manual lever) Yes Ambidextrous handle with automatic dead man position Max operating weight 1102 lbs Emergency stop switch on the dashboard Yes Yes Direct vacuum into a standard 240 liter bin Detailed spare parts list showing 100 % of the parts Yes Traction power/operating weight 2 Watt/kg Body type Polvester bodywork Container Standard 240 L Batteries use and type batteries Dimensions Steering front wheel Yes Ambidextous control arm (for right and left handed operators) Yes Puncture proof tires (mounted with quality industrial tires and shielded ball bearings) Yes Timer and battery charge level gauge Automatic parking brake facilitates parking, even on steep slopes Yes 18 m<sup>2</sup> Dust filter Anti-clogging grid for plastic bags, leaves etc. Yes Lockable storage compartment Yes Double soundproofing with an acoustic level approaching absolute silence Yes

### GM1ze ACCESSORIES.

Obstruction auard Cooler box Holder for shovel and brush Manual gripper Additional container Plastic bag

36 V DC / 0.85 kW 8 - 16 hours depending on use Yes (automatic stop position) Lead-acid: 8 - 16 hours depending on W 30 45/64 in x L 58 17/64 in x H 66 19/64 in Yes (timer for suction motor and traction motor)





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- Green Machines International B.V.
   The Netherlands
- +389 43 551 100
   office@greenmachines.com
   www.greenmachines.com

- Green Machines Veles DOO
   North Macedonia
- +389 43 551 100
   office@greenmachines.com
- 😵 www.greenmachines.com

- GREEN MACHINES INC.
   1601 Kettner Blvd.,
   Unit 30 San Diego, CA 92101
- +1-619-776-9926
  +1-619-389-8953
- 🛹 ussales@greenmachines.com
- Swww.greenmachines.com

- GM Sweepers UK Ltd. United Kingdom
- Sales: +44 (0) 1324 611666
   Spares: +44(0)1324 578880
   sales@greenmachines.com
   spares@greenmachines.com
- Swww.greenmachines.com