

# Electric Sweepers

## Electra 1.0

### Patented eco-technological revolution

A concentration of advanced technology and exclusive solution for a unique street sweeper, that produces zero CO2 emissions designed to efficiently meet the most demanding functional, environmental and performance requirements.

The **Tenax Electra 1.0 street sweeper** is an innovative working tool designed to mechanize the sweeping activities in areas in which only a manual operator can usually access and to sweep all the high sensitivity environmental areas, ensuring high cleaning standards and a better work quality for the operators, without an impact for the environment.

The electric **traction** and the management systems of all the functions, from the steering to the suction, are completely electric (with electronic control) and ensure the maximum performance with a high operation autonomy without contamination, ensuring at the same time a significant reduction of the operation and maintenance costs.

### Computerised efficiency

The transmission and drive systems are electrically controlled and are fitted with a diagnosis system that provides the operator all the indications of possible breakdowns, thus reducing the time used to find the breakdown. All the calibration data, adjustments and operation parameters of the machine are electronically controlled through the connection to a dedicated console.

### Safe cleaning

The absence of hydraulic circuits prevents the risk of accidental oil leaks, which enables a totally safe use even on delicate floors.

The high suction power, together with the filtering system that retains duct particles of up to PM10 enables an excellent sweeping action on any surface even without using water.

The use of exchangeable DIN standard waste tanks of 310 litres enables an unlimited collection autonomy.

Ideal for urban uses:

- Historic centres
- Pedestrian areas
- Cycle paths
- Parks and gardens
- Golf courses /sport facilities
- Health facilities
- Shopping centres
- Tourist complexes
- Closed areas



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### Technical Specifications

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#### **DIMENSIONS**

Length 2.970 mm  
Street front/back – 870 mm Width – 980 mm Height – 1.910 mm  
Wheel base – 1.480 mm

#### **WEIGHTS**

Empty weight – 1.800 kg Legal payload – 350 kg Total weight – 2.150 kg

#### **TRACTION**

With electric motors on rear wheels Asynchronous alternate current type motors  
Motors power 5 kw on continuous operation  
Electronic control by inverter with regeneration during braking and torque control

#### **STEERING**

Electric of alternating current

#### **BRAKING SYSTEM / WHEELS**

Foot drum brakes on 4 wheels  
Electro-mechanical parking brake on rear wheels  
Tyres 5.00 – 10"

#### **SUCTION**

Electric turbine with variable speed in alternate current Stainless steel suction nozzle

#### **BRUSHES**

2 brushes ø 650 mm  
Brush rotation adjustable to 90 g / 1'

#### **DUST CONTROL ON BRUSHES**

2 spraying nozzles on brushes  
Stainless steel water tanks – capacity 100 litres

#### **PERFORMANCE**

Speed – 0-18 km/h  
Sweeping width – 1.600 mm Maximum slope – 35 % Turning diameter – 2.670 mm