

# STOUT<sup>E+</sup> MAX 170

# 24 VOLT



## EVOLUTION WITHOUT COMPROMISES

**STOUT E+ MAX 170** is a ride-on sweeper equipped with next-generation 24V electric motors, ensuring high performance and efficiency while keeping energy consumption very low. This allows for simplified management and minimal maintenance.

**STOUT E+ MAX 170** is a compact and extremely robust industrial sweeper, designed to tackle the toughest cleaning challenges of heavy industry in a comfortable and pleasant way. It is intuitive and easy to use thanks to the touch screen monitor controls and the steering system controlled by a mouse on the armrest, which ensures high manoeuvrability and comfort.



**100%  
ELECTRIC**



**FOR WAREHOUSES  
AND CORRIDORS**



**METAL FRAME**



**FOR HEAVY  
WORK**

# STOUT E+ MAX 170

## EASY TO TRANSPORT

The dimensions of the STOUT E+ have been designed to allow it to be transported in small vans that do not require specific licences.



## LARGE WASTE CONTAINER

The large 500L waste container, with a robust lifting system, allows for the collection of large amounts of debris and direct dumping into a container.



## ELECTRIC DRIVE WHEEL STEERING

Equipped with a drive wheel steering, powered by an electric motor, the STOUT E+ is capable of making tight turns in confined spaces with efficiency and precision.



## EASY MAINTENANCE

All components are easily accessible and inspectable. The use of electrical components minimizes the need for maintenance interventions.



## VERSATILITY AND EFFECTIVENESS OF THE FILTERING SYSTEM

STOUT E+ can be equipped with various dust filter options to adapt to various needs. The electric filter shaker ensures long-lasting durability and maintenance of efficiency.

## DUST CONTROL

The water nebulization system on the brushes prevents the lifting of dust during operation.



**PERFECT FOR ANY AREA OF SMALL AND MEDIUM DIMENSIONS BOTH INTERNAL AND EXTERNAL**



### METAL FRAME

The MP-HT metal frame makes this sweeper extremely solid and able to absorb important stresses.



### FILTER TYPE

Two types of dust filters are available:

- Polyester bag filters
- Panel filters in paper, polyester, or HEPA.



### SIMPLE MAINTENANCE

The casing is easily removable, making routine maintenance operations easy even for non-specialized operators.



### WORKS ON INCLINES

The low-energy consumption traction motor allows operation even on sloped surfaces and steep ramps (22%).

## INTUITIVE

### DRIVING COMFORT

The driver's seat has an adjustable ergonomic design, which makes the work comfortable. The view is open and free on all sides due to the absence of a steering wheel.



### MOUSE-CONTROLLED STEERING

The steering system is controlled by a mouse on the armrest, ensuring high control and precision of movements.



### MONITOR CONTROLS

The LCD monitor allows you to set different work programs, control all the main functions of the machine, and includes a diagnostic section that allows you to check the real-time status of various components.



## ACCESSORIES

### SUCTION HOSE

Easy to connect, it allows for the collection of waste in areas inaccessible to the sweeper. Ideal for comprehensive and precise cleaning operations.



### CABIN

STOUT E+ can be provided with three different types of operator protections:

1. Protection roof.
2. Protection roof with front glass.
3. Full cabin with glass and door. In this version, the sweeper can also be equipped with air conditioning.



## ECOLOGICAL



### ELECTRIC WITH 24 VOLT MOTORS

The use of 24V electric motors ensures high efficiency with very low energy consumption, as well as minimizing CO<sub>2</sub> emissions. Compared to internal combustion engines, there is also a 40% reduction in noise emissions.

### BATTERIES

The dimension of the sweeper compartment allows for various combinations of battery packs, lead-acid, AGM, or Lithium, according to customer needs. Easily accessible and rechargeable, they guarantee a maximum working autonomy of about 7 hours.



SEE FOR YOURSELF THE SIMPLICITY OF USE THE STOUT E+ Max 170

<https://www.youtube.com/watch?v=z-zkPuyefpFo>



**STOUT E+**  
MAX 170

**36**  
VOLT

**vs**

**24**  
VOLT

HOURLY ENERGY CONSUMPTION

**5,04 kWh**

HOURLY POWER ABSORPTION

**140 Ah**

MAXIMUM CAPACITY OF LEAD-ACID BATTERY

**480 Ah**

WORKING AUTONOMY

**3,4 hours**

HOURLY ENERGY CONSUMPTION

**2,64 kWh**

HOURLY POWER ABSORPTION

**110 Ah**

MAXIMUM CAPACITY OF LEAD-ACID BATTERY

**720 Ah**

WORKING AUTONOMY

**6,5 hours**

## THE BENEFITS OF 24-VOLT ELECTRIC MOTORS

Among the many innovative features of the STOUT E+ Max 170, there is the adoption of electrical components with a lower voltage, at 24 volts instead of the more commonly used 36 volts or 48 volts in sweepers of this size.

A choice for greater ease of use and management flexibility, which brings advantages in terms of:

### MANOEUVRABILITY

STOUT E+ Max 170 requires a more compact battery pack to achieve the same work performance as other models with similar characteristics. This contributes to making this sweeper more compact and lightweight, manoeuvrable, and easy to use in tight spaces or environments with obstacles.

### EASE OF MAINTENANCE AND FLEXIBILITY IN THE USE OF COMPATIBLE COMPONENTS

24 Volt batteries and components are readily available in the market. Their wide-spread availability not only simplifies the maintenance process but also speeds up the purchase of spare parts. This results in reduced downtime for the sweeper, contributing to optimizing productivity and containing operational costs. Furthermore, compatibility with a wide range of components facilitates customization and upgrading of sweepers based on specific customer needs, ensuring efficient and personalized service.





| PERFORMANCES                             | STOUT E+  |
|--|---|
| Maximum hourly efficiency                | 16000 m <sup>2</sup> /h                           |
| Working width with central brush         | 1000 mm   |
| Working width with 1 side brush          | 1350 mm   |
| Working width with 2 side brushes        | 1700 mm   |
| Maximum autonomy                         | 7 h   |
| Maximum speed                            | 0-8 km/h  |
| Work climbing ability                    | 22%   |
| WASTE COLLECTION SYSTEM                  |   |
| Hopper capacity                          | 500 L   |
| High dump                                | 1550 mm   |
| Dust control system                      | Yes   |
| Filter surface                           | 8 m <sup>2</sup>                                  |
| Electric filter shaker                   | 24 V  |
| TECHNICAL DATA                           |   |
| Motor power & supply                     | 2,64 kWh Batteria 24 V<br>Lead-acid, AGM, Lithium |
| Traction                                 | Electric drive on rear wheel                      |
| Noise level                              | <80 dB(A)   |
| DIMENSIONS AND WEIGHT                    |   |
| Dimensions:<br>Length<br>Width<br>Height | 2350 mm<br>1450 mm<br>1500 mm                     |
| Empty weight                             | 850 kg  |

Technical data are indicative and can be changed.