

# D3

Street Sweeper



**DULEVO**  
FAYAT GROUP

TIMELESS QUALITY THROUGH PASSION



ENVIRONMENT

# Reduced environmental impact

The high technology of the Dulevo D3 provides an environmentally friendly machine.





**ENVIRONMENT**

# Reduced environmental impact

## Low sound power

Less than 100 db thanks to Load Sensing.

## Low fuel consumption

Electronic transmission and high sweeping speed.

## Low engine emissions

The engines comply with the latest European and non-European emission regulations.



## Low fine dust emissions

EN15429 certified filtration system. Possibility of fitting a filter with PTFE membrane to increase performance.

## Reduced water consumption

The mechanical suction system allows the machine to work, drastically reducing water consumption.







## PRODUCTIVITY

# Efficiency and low consumption

Dulevo is targeting the heavy industry market, the mining sector and at the same time public administrations with its patented mechanical-suction-filtering system that reduces cleaning costs and time.



**PRODUCTIVITY**

# Mechanical-suction-filtering system

## Savings in water consumption

The limited use of water, or lack of use, makes it possible to drastically reduce or even exclude the H<sub>2</sub>O replenishment time required in conventional systems for PM 10 & 2.5 and dust abatement (double cost).

## Saving time

Three times the sweeping speed of any other machine on the market.

## No sweeping limit

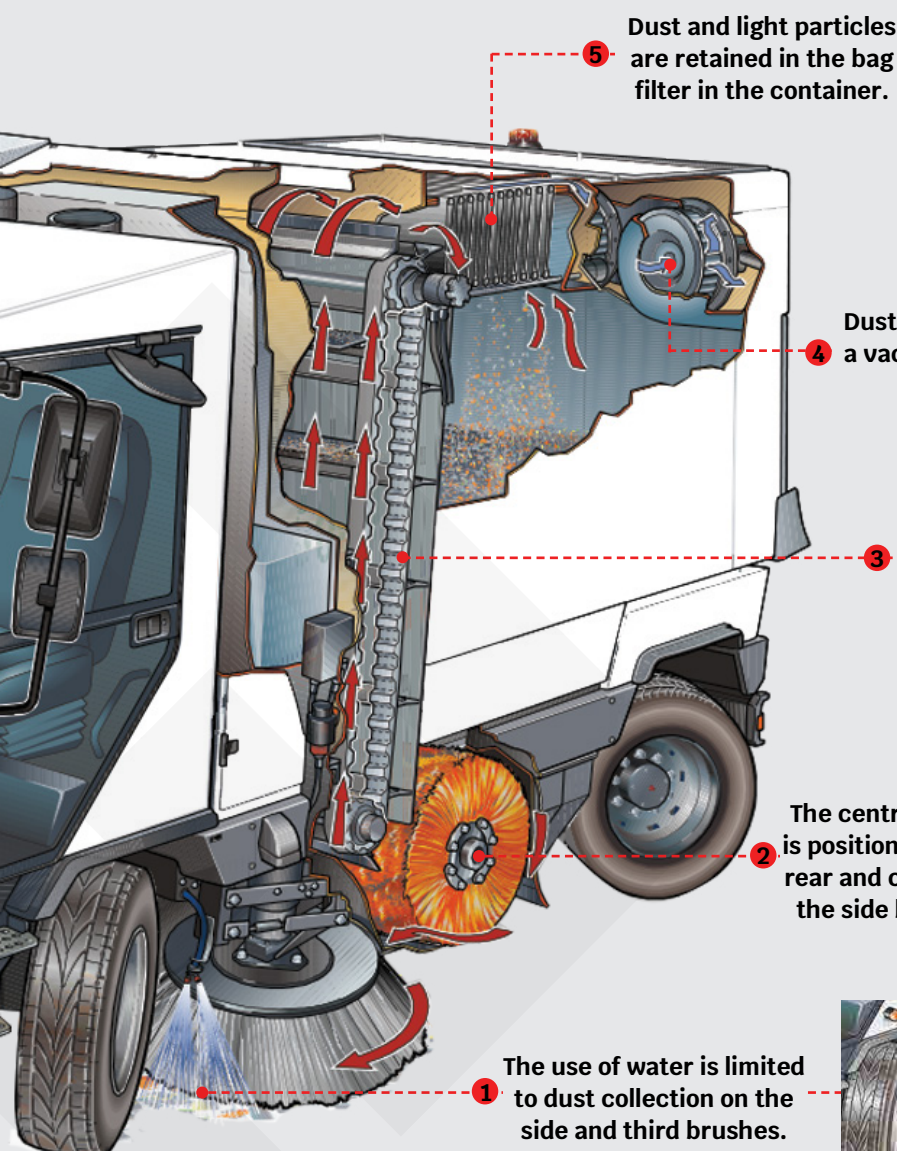
Possibility of collecting light, heavy and even bulky material.

## 12 months of use

12 months of useability to sweep even without using water makes it possible to also work with low outdoor temperatures.



### in short:



The filter is cleaned by means of a shaking system and directly from the driver's seat.

Possibility of fitting a filter with PTFE membrane that guarantees total abatement of PM10 dust, substantially increasing performance, guaranteeing longer life, ease of cleaning, reduced maintenance and increased air flow.

Dust and light particles are sucked dry through a vacuum created in the container itself by two high-speed fans.

The debris is thrown directly into the vertical conveyor, ensuring the collection of all types: from the finest to the heaviest and bulkiest dust.

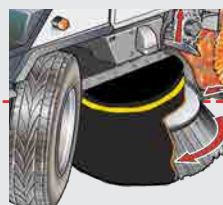
The conveyor is equipped with a system that allows washing with a high water flow rate via hydrant connection.

The central brush is positioned to the rear and central to the side brushes



The ground pressure of the brush is constant thanks to a hydraulic system that allows the brush to follow the ground.

The use of water is limited to dust collection on the side and third brushes.



Special casings mounted on the side brushes allow for totally dry cleaning.



TECHNOLOGY 4.0

# Innovation and cutting-edge technology

Innovative features for intuitive and  
personalized use.





**TECHNOLOGY 4.0**

# Innovation and cutting-edge technology

## On board diagnostics

- On Board diagnostics directly from the function display.
- Dulevo Telematic remote telemetry in Standard configuration.

## User Friendly Functions

Less time needed to train the operator and the possibility to customize the way the vehicle is used.



## Ready for connectivity 4.0 for Smart City

Predisposition for passive and active interface that will allow the development and future implementation in the 4.0 system.

## Can Bus

In / Out communication system of the sweeping and motor functions on CAN-BUS protocol.



QUALITY OF LIFE ON BOARD

# Designed for the operator's well-being

An intuitive sweeper, easy to drive  
and comfortable even after many  
hours of work.





**QUALITY OF LIFE ON BOARD****Designed for the operator's well-being****Comfort in the cabin**

- Equipped with two comfortable seats for the operator and the passenger, adjustable and dampened.
- Manual A/C system with controls positioned on the central dashboard.
- Rear security camera screen positioned in the upper part of the cabin in order to allow maximum control during the sweeping phase.

**Less noise in the cabin**

Noise level in the cabin Less than 66 db.

**Dulevo A.S.T. system**

- Easy Start function
- Possibility to select different work programs according to the sweeping conditions: ECO, Normal, Boost.

**Standby function**

Possibility during the work phases to exit the set work mode and resume it later by pressing the Standby key.





# Application

The variety of options offered allows the Dulevo D3 operational spectrum to be expanded anywhere, anytime.

The large front brush with full 180-degree movement is an indispensable auxiliary tool for sweeping corners and gutters and increasing the working surface.

The hopper lift system allows waste materials to be dumped into the appropriate containers, onto trucks or into large waste compactors.



## SUGGESTED CONFIGURATION\*

Our experience has led us to develop configurations that suit different cleaning areas, types of dirt to be cleaned, and general customer needs.



### Municipal Equipment

*Suggested configuration for municipal and urban centers*

- Filter with PTFE membrane
- 180° Right hand/Left hand front extendable brush unit
- Water sprinkling system for side brushes
- Water sprinkling extension for front extendable brush unit
- Air cushioning heated seat (only driver's side)
- Suction system without hose
- Suction system without hose Ø 150 mm Lunghezza 4,5 mt
- Centralized manual greasing system without pump
- Radio with USB and Bluetooth



### Airport Equipment

*Suggested configuration for airports*

- 180° Right hand/Left hand front extendable brush unit
- Water sprinkling system for side brushes
- Water sprinkling extension for right hand front extendable brush unit
- High pressure washing system with gun and reel 433 In hose
- Suction system without hose
- Suction system without hose Ø 150 mm Lunghezza 4,5 mt
- Centralized manual greasing system without pump
- Rear magnetic bar
- Customized painting (no chassis)
- Reflecting stripes
- PPL side brushes



### Cement Equipment

*Suggested configuration for cement, ceramic sector or where water cannot be used*

- Side brushes casings (reduced sweeping width)
- Suction system without hose
- Hose Ø 150 mm Lunghezza 4,5 mt
- High density PPL central brush with MOPLIN core disposable
- Centralized manual greasing system without pump
- Filter with PTFE membrane



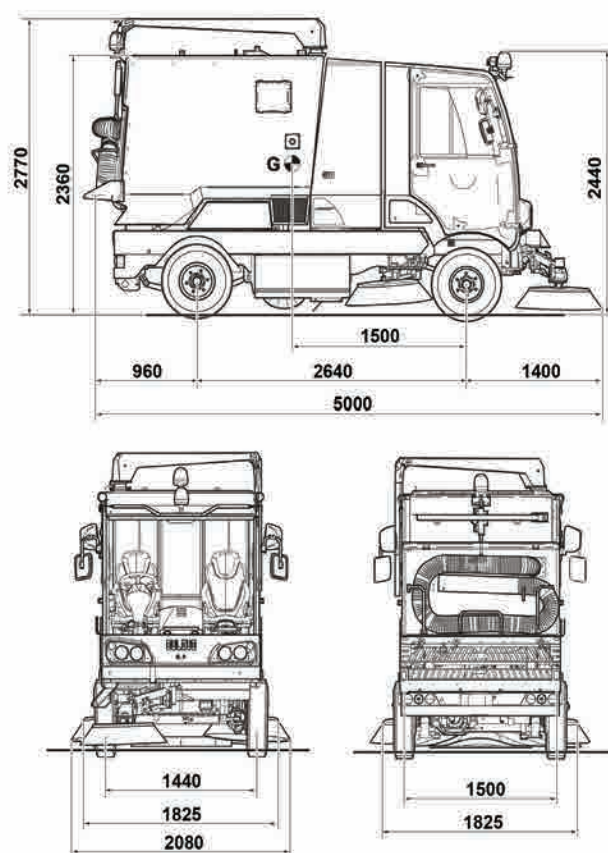
### Heavy industry Equipment

*Suggested configuration for heavy industry or the metallurgical sector*

- Hydraulic dumping up to 2400 mm
- Water sprinkling system for side brushes
- Suction system without hose
- Hose Ø 150 mm Lunghezza 4,5 mt
- Centralized manual greasing system without pump
- High density PPL central brush with MOPLIN core disposable
- Pneumatic tyres with foam
- Filter with PTFE membrane
- Supplementary Vortex pre-filter for endothermic engine

\*Some pictures and equipment may show optional extras that are not available in all markets. For information ask your nearest dealer: [www.dulevo.com](http://www.dulevo.com) or [info@dulevo.com](mailto:info@dulevo.com)



**Technical data****D3**

Sweeping width		
- With central brush	mm	1.300
- With central brush and side brushes	mm	2.150
- With central, side brushes and third brush	mm	3.200
Container volume	m <sup>3</sup>	3,3
Dumping height (OPT.)	mm	1.570 (1.730)
Seats in the cabin	n°	2
Cleaning performance	m <sup>2</sup> /h	90.000
Maximum speed	Km/h	25 - 40
Steering diameter Kerb to Kerb	mm	8.250
PM Certification		PM 2,5 / PM10****
Engine Brand		FCA
- FCA Engine emissions		EURO 6 C
Engine Brand		KOHLER
- KOHLER Engine emissions		Tier 3 Decontent / Stage IIIA Equivalent
Engine Brand		KOHLER
- KOHLER Engine emissions		Tier 4
Fuel		Diesel





Specifications are not binding for our company and subject to change at any time without notice..



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## QUALITY, INNOVATION AND RESPECT FOR THE ENVIRONMENT Dulevo Certifications:

**ISO 14001**  
ENVIRONMENTAL  
SYSTEM  
CERTIFICATION



**ISO 9001**  
QUALITY  
SYSTEM  
CERTIFICATION



**ISO 45001**  
SAFETY  
SYSTEM  
CERTIFICATION



**EUnited PM TEST**  
COLLECTION AND  
FILTRATION  
DUST

