

D3

Street Sweeper - US



DULEVO

FAYAT GROUP

TIMELESS QUALITY THROUGH PASSION



PRODUCTIVITY

Efficiency and low consumption

It guarantees the highest levels of performance in every context, with lower water and fuel consumption of.

PRODUCTIVITY

Productivity

Mechanical Suction-Filtering System

The combination of the mechanical sweeping system and sweeping by suction, supported by a real dust filter, guarantees maximum performance and maximum versatility.

Savings in water and fuel consumption

- Water is used to reduce dust on the external brushes. The external brushes work even in the absence of water, this allows for a greater water savings compared to conventional systems;
- Unrivaled ratio of fuel consumption to swept area.



High filtration efficiency

Dust filter for constant and effective filtration in all conditions.

High sweeping performance for high productivity

- Our sweeper provide double sweeping speed compared to other technologies;
- And offer a wide Sweeping width.

Reduction of downtime

The limited or not of water, makes it possible to drastically reduce or even exclude the H₂O refueling times which are required in conventional systems for PM 10 & 2.5 abatement for dust suppression (double cost).



TECHNOLOGY 4.0

Innovation and cutting-edge technology

Innovative features for intuitive and personalized use.



Technology 4.0

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 option to customize the operation of the vehicle.



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 operate and comfortable even after many hours of operation.



Quality of Life on Board

Comfort in the cabin

- Equipped with two comfortable seats for the operator and the passenger, adjustable and amortized;
- 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.



Dulevo AST system

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

Less noise in the cabin

Noise level in the cabin Less than 66 db.

Standby function

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



DULEVO'S TECHNOLOGY

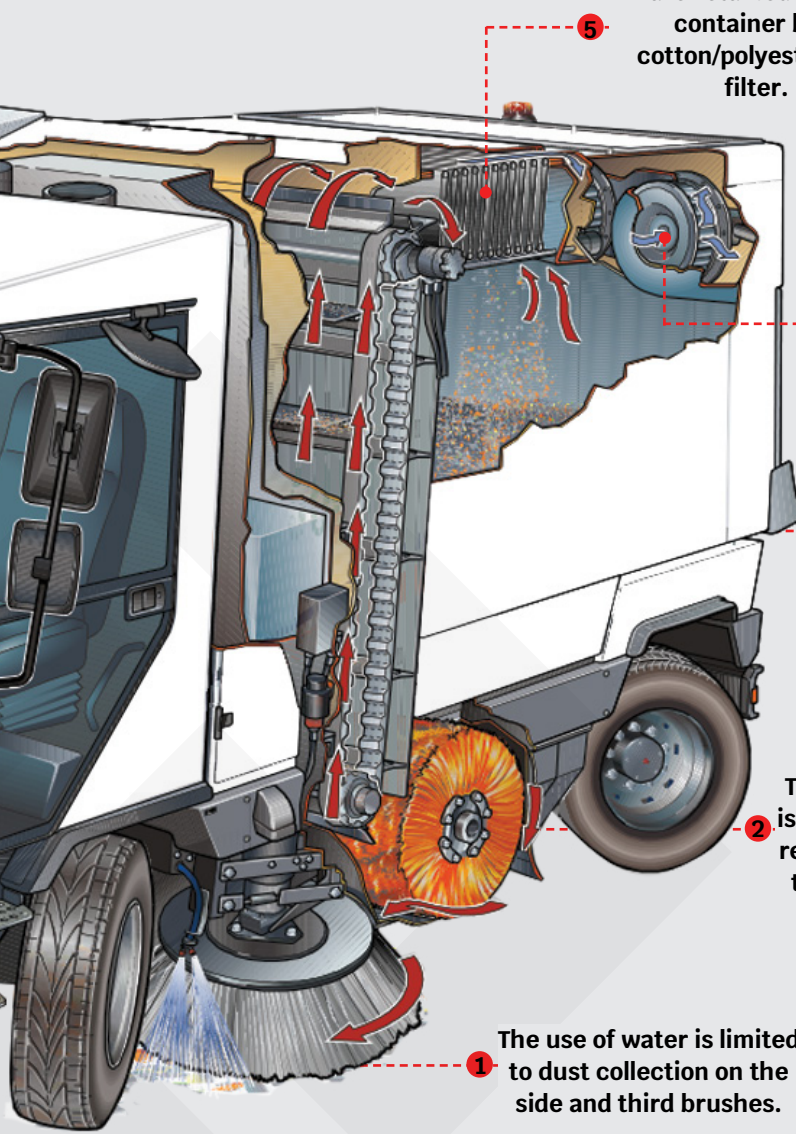
Mechanical-suction-filtering system

Dulevo International targets the heavy industry, mining and at the same time government markets with its patented mechanical-suction filtering technology. The Dulevo system brings benefits to the end user:

- Higher plant cleanliness;
- Up to three times higher cleaning speed than any other sweeper on the market;
- Completely dry sweeping allowing total recovery of collected material;
- Saving of time and money;
- Absolute adherence to modern environmental laws.



in short:



Dust and light particles are retained in the container by a cotton/polyester bag filter.

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

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

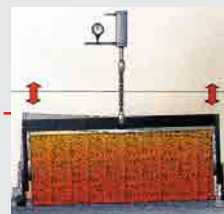
Dust and light particles are sucked dry through a vacuum created in the container itself by two high-speed fans.

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.

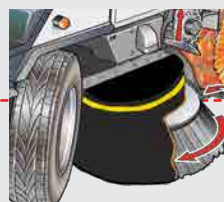
The central brush is positioned to the rear and central to the side brushes

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.



Application

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.

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



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

- 180° Right hand/Left hand front extendable brush unit
- Water sprinkling system for side brushes (Water tank 105 Gal)
- Water sprinkling extension for front extendable brush unit
- Air cushioning heated seat (only driver's side)
- Ø 5,9 In hose - Length 177 In
- Centralized manual greasing system without pump
- Filter with PTFE membrane
- Radio con USB e Bluetooth
- Suction system without hose



Airport Equipment
Suggested configuration for airports

- 180° Right hand/Left hand front extendable brush unit
- Water sprinkling system for side brushes (Water tank 105 Gal)
- 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
- Ø 5,9 In hose - Length 177 In
- Centralized manual greasing system without pump
- Rear magnetic bar
- Customized painting (chassis excluded)
- Reflecting stripes
- PPL side brushes



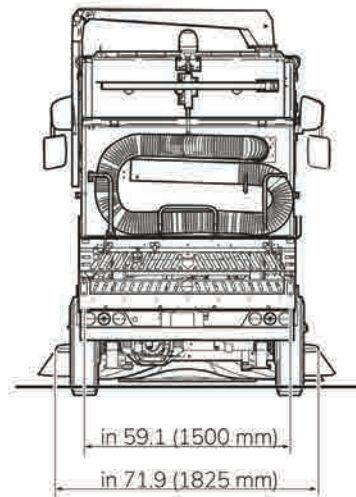
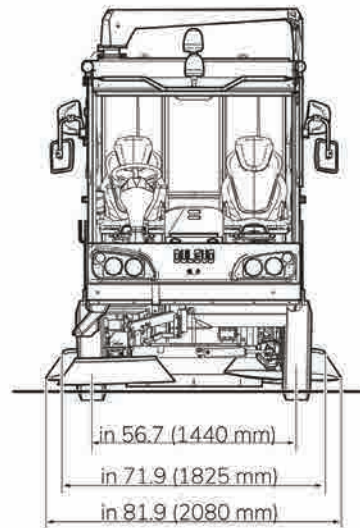
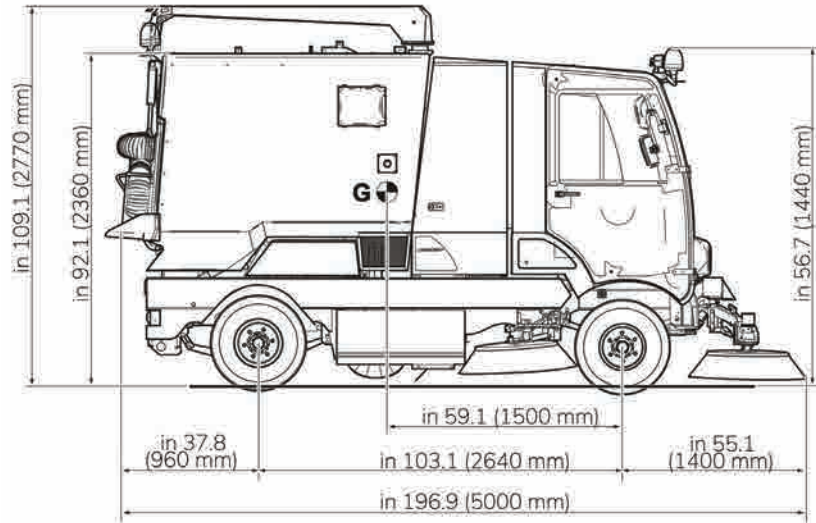
Cement Equipment
Suggested configuration for cement, ceramic sector or where water can not be used

- Side brushes casings (reduced sweeping width)
- Suction system without hose
- Ø 5,9 In hose - Length 177 In
- High density PPL central brush with MOPLEN core disposable
- Centralized manual greasing system without pump
- Filter with PTFE membrane



Heavy industry Equipment
Suggested configuration for heavy industry or the metallurgical sector:

- Water sprinkling system for side brushes (Water tank 105 Gal)
- Suction system without hose
- Ø 5,9 In hose - Length 177 In
- Centralized manual greasing system without pump
- High density PPL central brush with MOPLEN core disposable
- Pneumatic tyres with foam
- Filter with PTFE membrane



Technical data

D3

Sweeping width:

- With central brush
- With central brush and side brushes
- With central, side brushes and 3° brush

in 51,2 - mm 1.300

in 84.7 - mm 2.510

in 126 - mm 3.200

Container volume

yd³ 3 - m³ 2,26

Dumping height

in 61.9 - mm 1.570

Dumping height (OPT)

in 68.9 - mm 1.730

Cleaning performance

ft²/h 968400 - m²/h 90.000

Steering diameter -Curb to Curb-

in 27.3 - mm 8.300

Maximum speed

mph 20 - Km/h 32,2

Seats in the cabin

n° 2

PM Certification

PM 2,5/ PM10^{****}

Engine Brand

KOHLER

Engine emissions

TIER 4

Fuel

DIESEL

Dulevo Fayat Group

Dulevo was founded in 1976 and is now part of the Fayat Group, France's largest privately-owned construction, industrial and road infrastructure group. The knowledge of cleaning technology acquired by Dulevo, based in Parma in the heart of Italy's Motor Valley, forms the basis of our state-of-the-art and reliable machines. Our motto, 'Timeless Quality through Passion', reflects our commitment to providing innovative, high quality cleaning solutions to municipalities and industry, with a focus on environmental care.



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

