

D6

Street sweepers - us



DULEVO
FAYAT GROUP

TIMELESS QUALITY THROUGH PASSION



ENVIRONMENT

Reduced environmental impact

Dulevo's high technology and the latest-generation powertrain 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 fine dust emissions

Tier 4 engine The engine complies with the latest emission standards.



Low fine dust emissions

EN15429 certified filtration system. Possibility option of mounting filter with PTFE membrane to increase performance.

Reduced water consumption

A mechanical vacuum system allows the machine to reduce water consumption.





PRODUCTIVITY & VERSATILITY

Efficiency and cost reduction

Ensuring the highest levels of performance in every situation, while reducing consumption and operating costs.

PRODUCTIVITY

Efficiency Everywhere

A year around solution

D6 doesn't require the use of water for dust control in most situations, allowing operating even in freezing temperatures.



No sweeping limit

Flexibility to collect dust, leaves, stone, and bulkier materials.

Savings in water consumption

Water is only used to reduce dust at the side brooms when necessary.

High filtering rate

State of the art filter technology for constant and efficient filtering in all conditions, without water.



VERSATILITY

Adaptable to different sweeping needs

Different ways of using the sweeper based on the environments or type of materials to be collected.

**A.S.T.**

- Possibility of selecting different work programs: STD, ECO, Boost and Leaves.
- Possibility of storing
- customised work programs by operator, environment or work mode.

Adjustable Working Speed (A.W.S.)

Possibility of adjusting the maximum working speed.

Adaptive sweeping width

Ability of the side brushes to open and close according to the steering angle.

Memory

Possibility of putting the functions in Stand-by and resume work with the same configuration.

4 and 2 steering wheel system

- Possibility of selecting the most comfortable transfer mode.
- 4 steering wheels for maximum maneuverability.
- 2 steering wheels for greater comfort and driving precision/ simplicity.
- Automatic alignment of the wheels.



DULEVO'S TECHNOLOGY

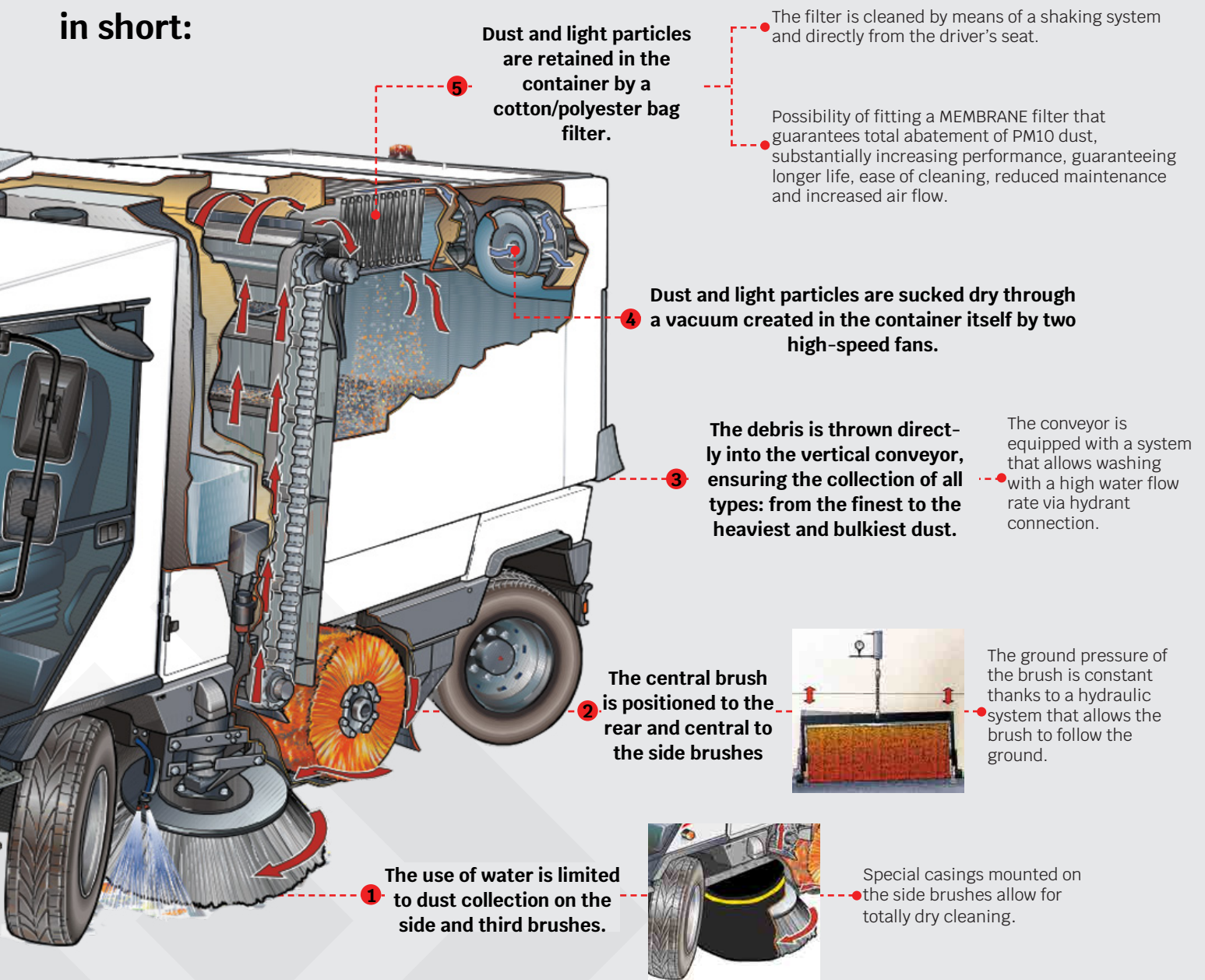
Mechanical-suction-filtering system

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:

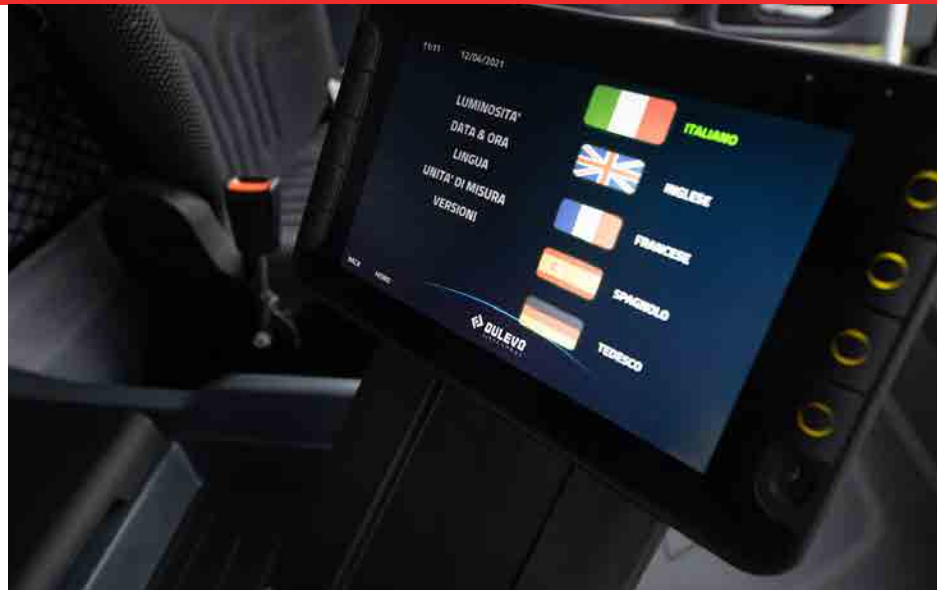


DULEVO CONNECT

Easy and intuitive use

Smart Thinking

Less time needed to train the operator, possibility to customize the operating methods of the vehicle.



Touchscreen Panel

User friendly and Easy Start functions.

Dulevo Telematic (Tierra)

Remotely access vehicle operation, position, and diagnostics

Set-up for remote connectivity 4.0 Smart City

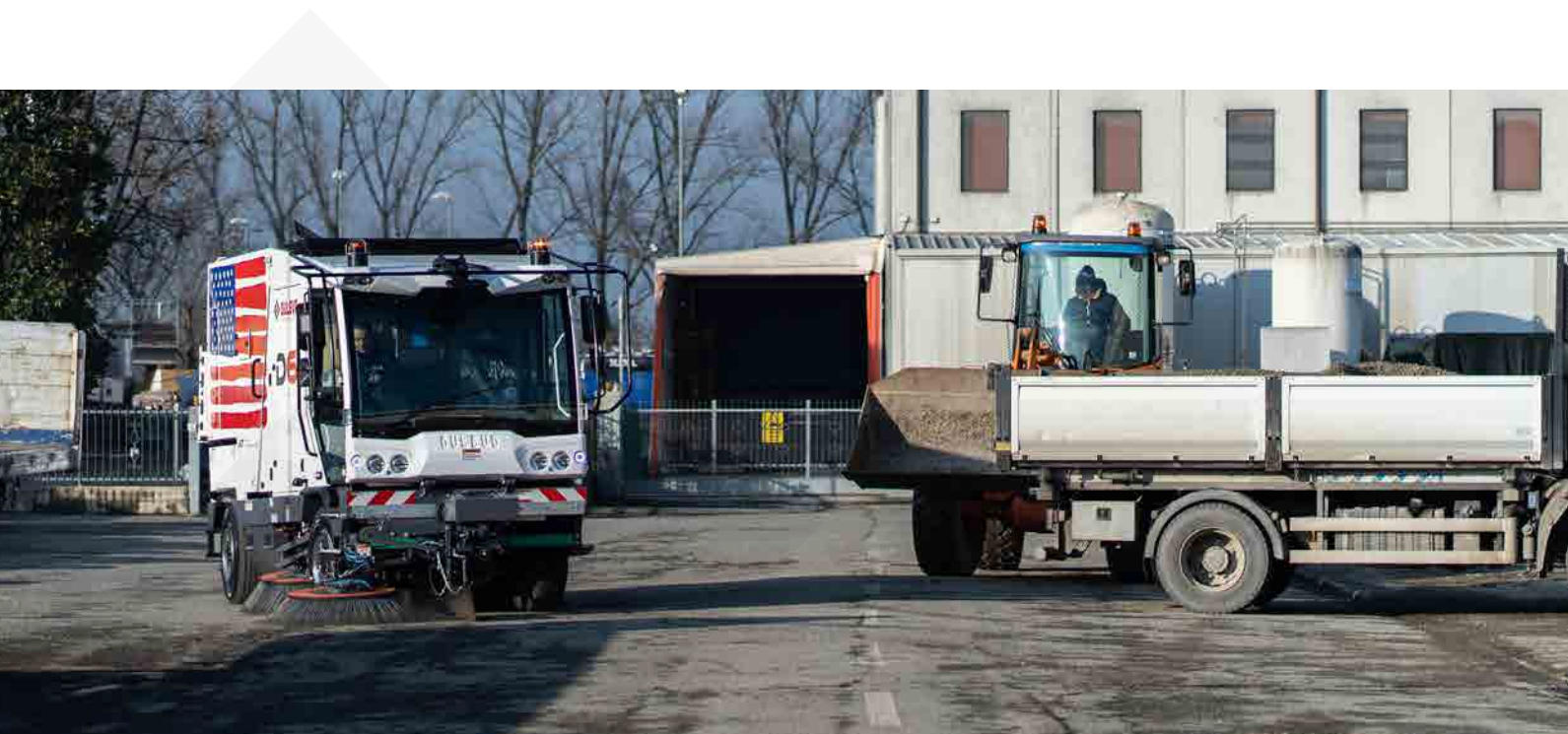
Two-way interface system.

Can Bus

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

On-board diagnostics

Possibility to directly access the function diagnostics and the motor status indications from the display.



QUALITY OF LIFE ON BOARD

Designed for the operator's wellbeing

Designed for People

A comfortable and pleasant sweeper to use even after many hours of work.

Greater cabin space

Tunnel removal and the possibility of having up to 3 cabin seats

Less noise in the cab

Less than 70 db thanks to the new soundproofing concept.



Ergonomic cabin layout

- Layout of controls and display of ergonomic and adjustable functions according to the operator's needs.
- 10" Interactive display for sweeping function.
- 4.3" display for engine and road circulation functions.
- Armrest with multifunction Joystick.

Simplified daily maintenance

- Hydraulic opening of the Box Door.
- Conveyor washing with hydrant connection.
- Water system draining system.
- - 50% faster central brush replacement system.

Filtering and pressurization system

System designed to meet the high standards and regulations of the agriculture sector.



Application

Dumping Height –US Market–

For the U.S. market, Dulevo has designed a sweeper specifically to meet U.S. street sweeper standards:

- The dumping height can range from 45.3 in – 1150 mm up to 118.11 in – 3000 mm, making it easier to dump collected debris into a large capacity container.
- high capacity container.
- Visual signal in the cab achieving maximum payload
- Safety system – Stability control for unloaded to 118In
- Negative parking brake (Hydraulic)
- Heavy duty (Vertical) rear bumpers



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

- Hydraulic dumping up to 90 In
- 180° Right hand/Left hand front extendable brush unit with mirror
- Water sprinkling system for side brushes (Water tank 105,7 Gal)
- Water sprinkling extension for right hand front extendable brush unit
- Suction system without hose
- Ø 5,9 In hose – Length 177 In
- Centralized manual greasing system without pump
- Filter with PTFE membrane
- Radio con USB e Bluetooth



Airport Equipment

Suggested configuration for airports

- Hydraulic dumping up to 90 In
- 180° Right hand/Left hand front extendable brush unit with mirror
- Rubber skid for central brush
- Water sprinkling system for side brushes (Water tank 105,7 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

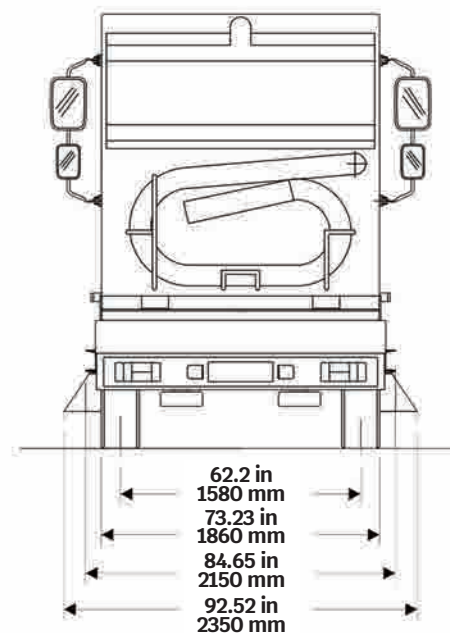
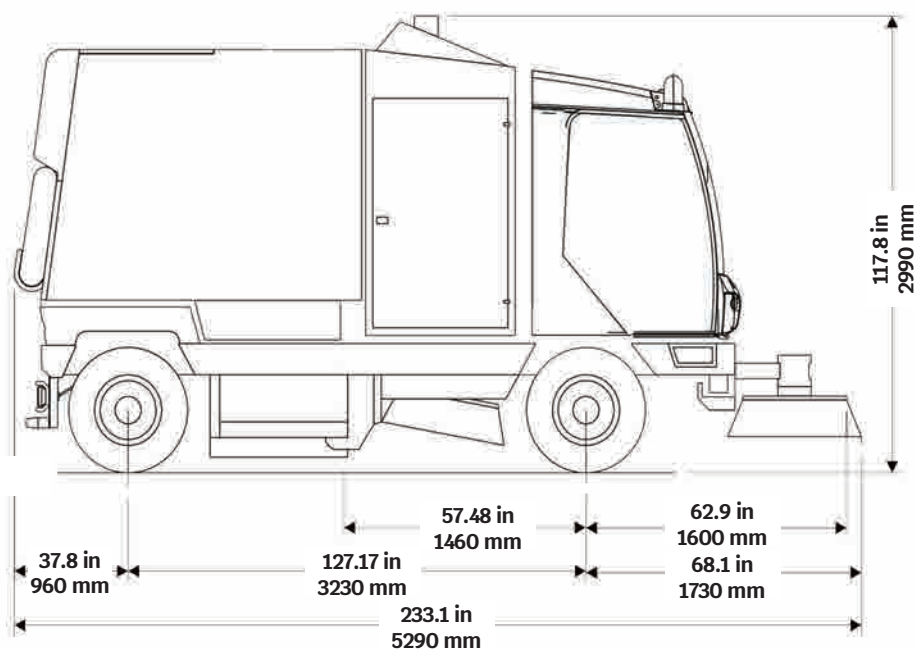
- Side brushes casings (Sweeping width reduced to 88,5 In)
- Suction system without hose
- Ø 5,9 In hose – Length 177 In
- Additional Vortex pre-filter for endothermic engine
- Centralized manual greasing system without pump
- Filter with PTFE membrane



Heavy industry Equipment

Suggested configuration for heavy industry or the metallurgical sector:

- Hydraulic dumping up to 90 In
- Water sprinkling system for side brushes (Water tank 105,7 Gal)
- Suction system without hose
- Ø 5,9 In hose – Length 177 In
- Vortex pre-filter for endothermic engine
- Centralized manual greasing system without pump
- Pneumatic tyres with foam
- Filter with PTFE membrane



Technical data	D6	D6 High Dump
Sweeping width:		
• With central brush	in 51.2 - mm 1.300	
• With central brush and side brushes	in 110.3 - mm 2.800	
• With central, side brushes and 3° brush	in 141,8 - mm 3.600	
Container volume	yd³ 6,1 - m³ 4,68	yd³ 5.2 -4 m³
Dumping height	in 45,3 - mm 1.150	in 52.8 - mm 1.340
Dumping height (OPT)	in 94,5 - mm 2.400	in 118.2 - mm 3.000
Cleaning performance	ft²/h 1162080 - m²/h 105.000	
Steering diameter -Curb to Curb-	in 31,8 - mm 9.685	
Maximum speed	mph 20 - Km/h 32,2	
Seats in the cabin	n° 2 (3)	
PM Certification	PM 2,5/ PM10****	
Engine Brand	FPT industrial (Iveco)	
Engine emissions	TIER 4 Final	
Fuel	DIESEL	

AUTHORIZED DEALER:



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2000 DW Griffith Ln.
LaGrange, KY 40031