

# D6

Street sweepers - us



POWERED BY 

BROUGHT TO YOU BY  
**Bortek**<sup>®</sup>  
WE KNOW CLEAN<sup>®</sup>



**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.

**POWERED BY**

### CUMMINS ENGINE

#### Power

173 HP / 129 kW

@ 2500 RPM

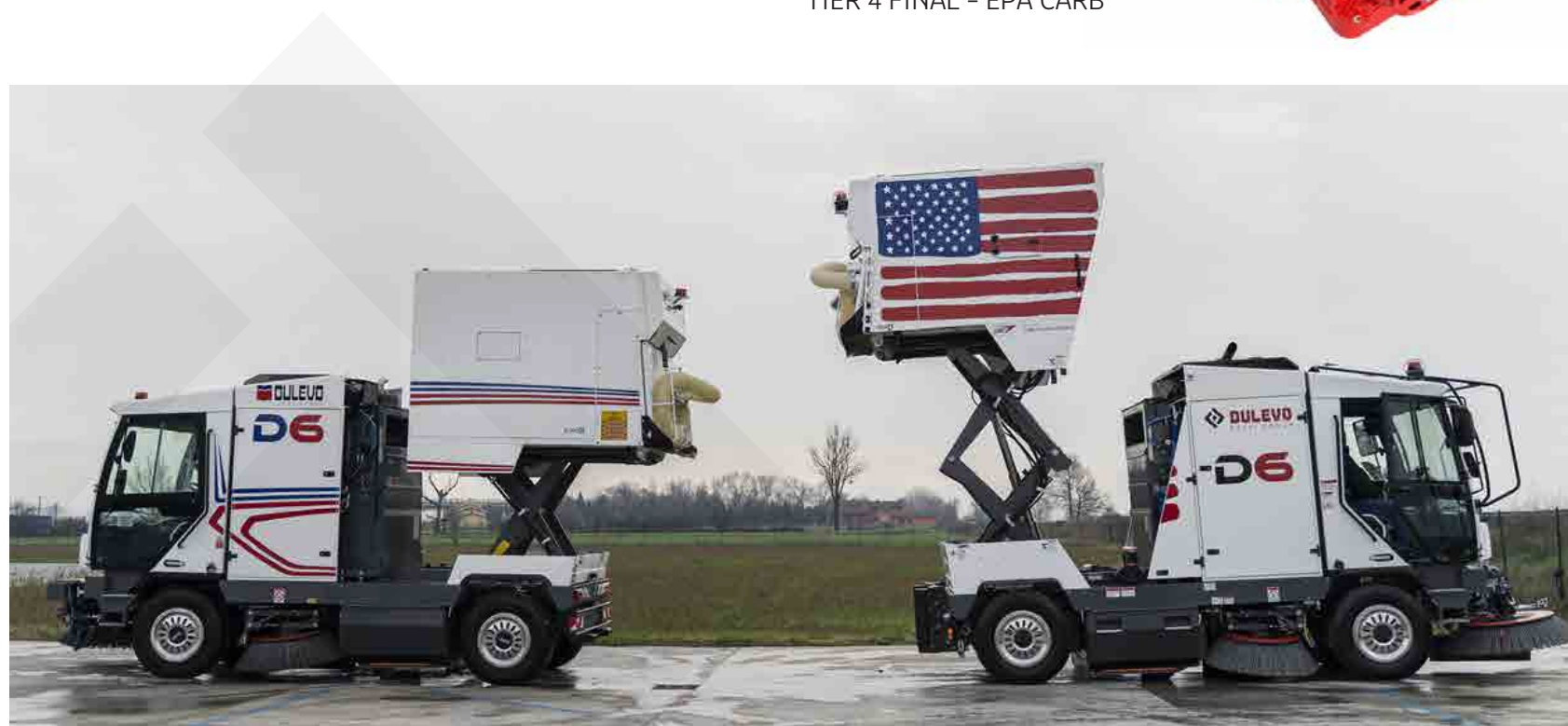
#### Torque

620 Nm

@ 1500rpm

#### Certificate F3.8

TIER 4 FINAL - EPA CARB



**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.





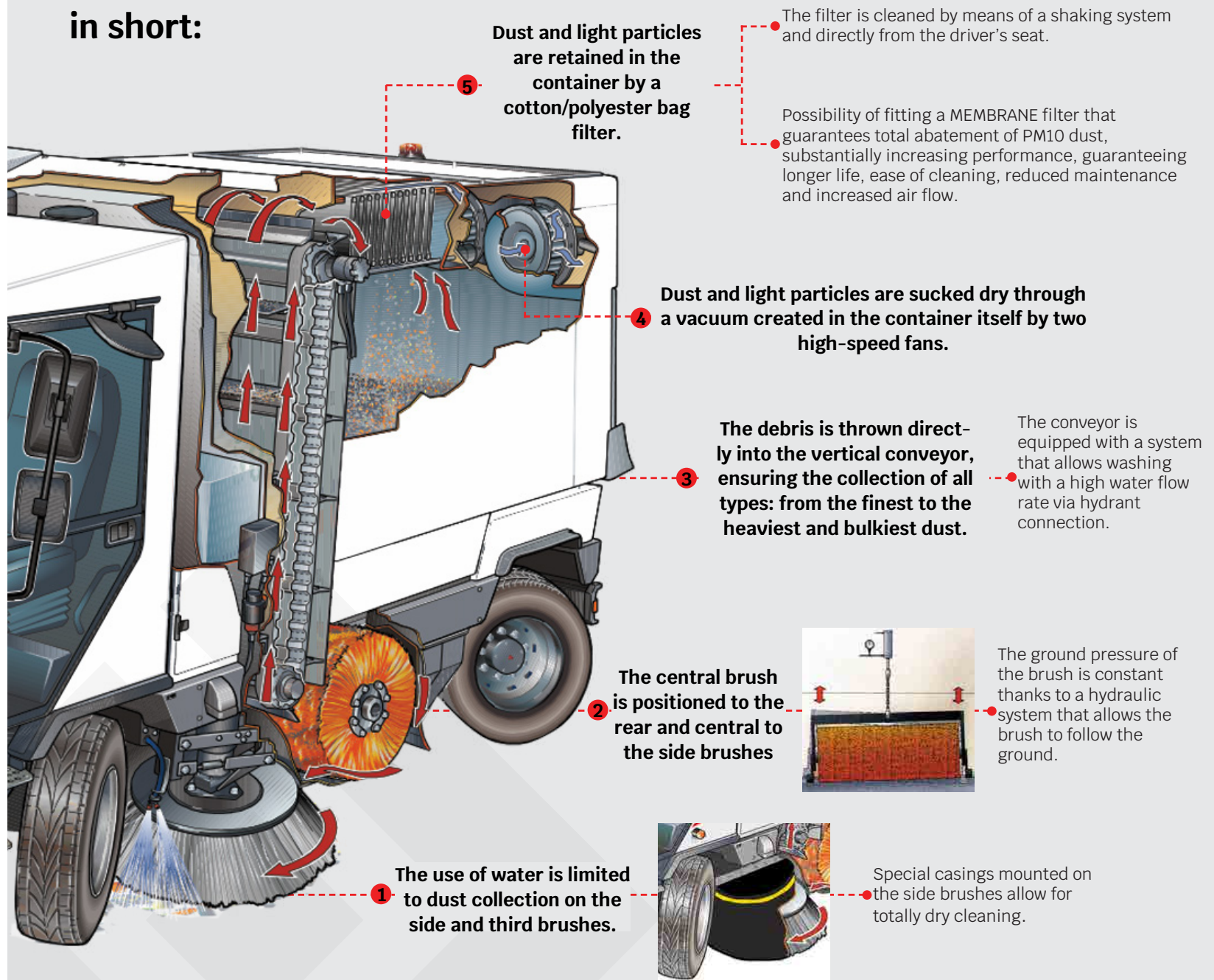
# Mechanical-suction-filtering system

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:

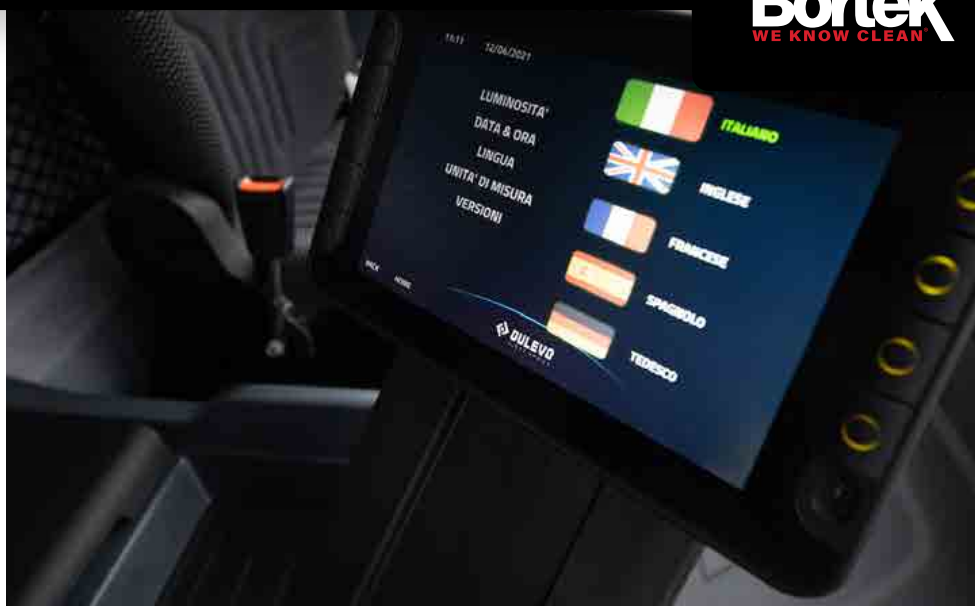


**DULEVO CONNECT**

# 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

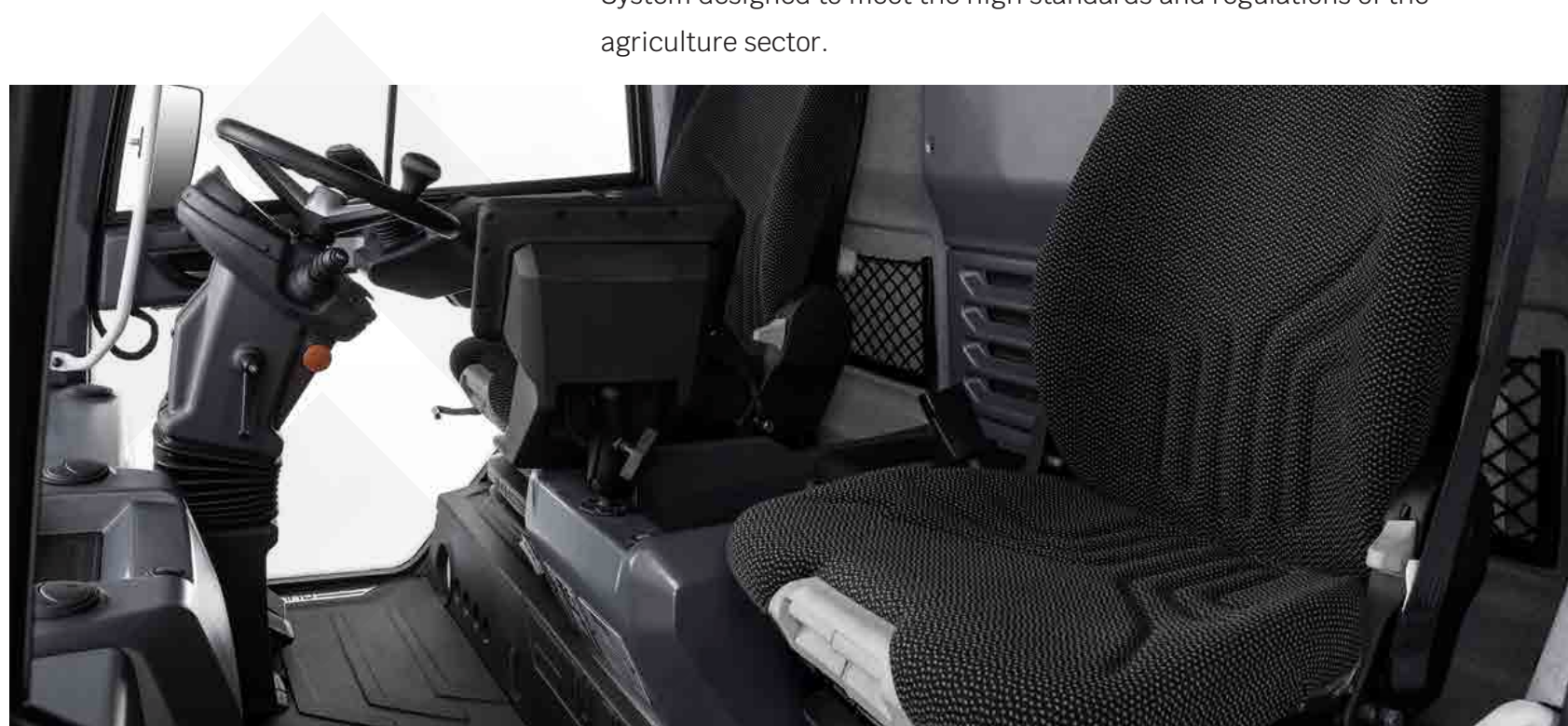
- Layout of controls and display of ergonomic and adjustable functions according to the operator's needs.
- 10" Interactive display for sweeping function.
- 4.3" display for engine and road circulation functions.
- Armrest with multifunction Joystick.

## 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.
- 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

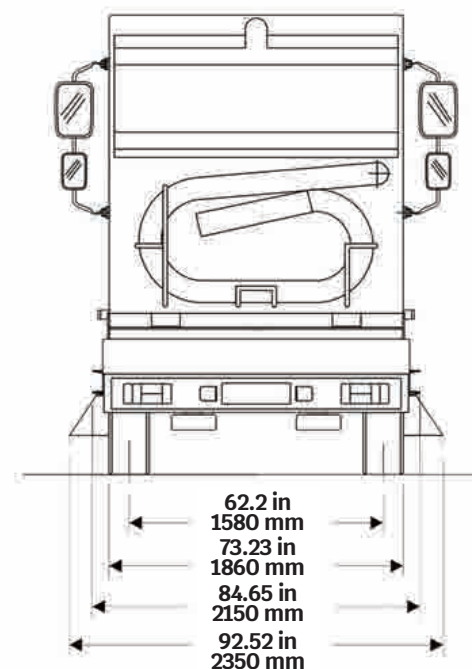
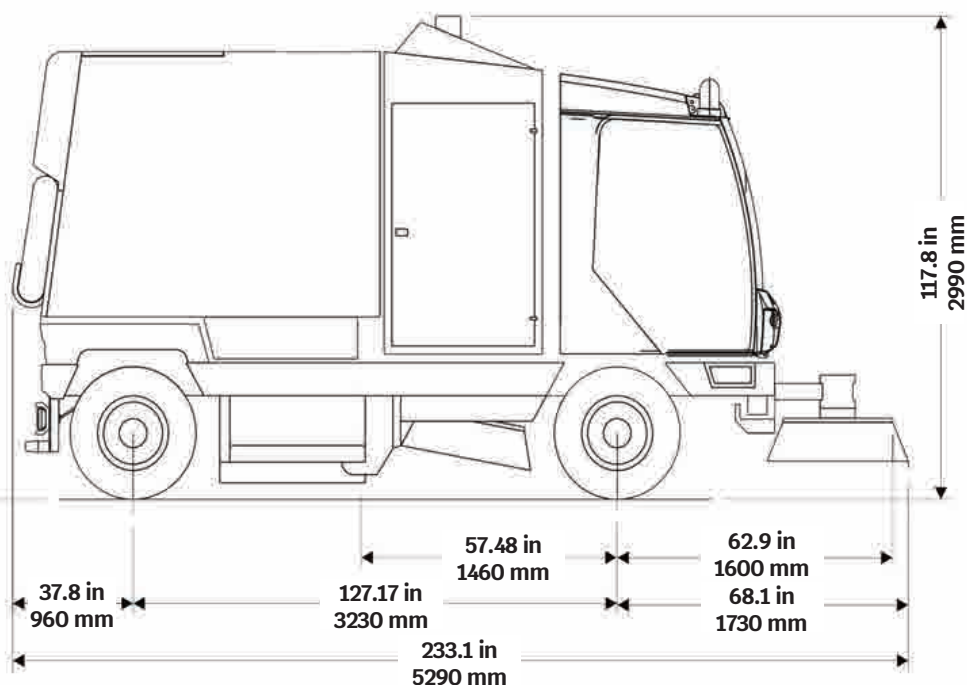


### Heavy industry Equipment

*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 108.000	
Steering diameter -Curb to Curb-	ft 31,8 - mm 9.685	
Maximum speed	mph 20	
Seats in the cabin	n° 2	
PM10 & PM2,5 Filtration EN 15429	EUNITED 4 Star	
Engine Brand	<b>Cummins</b>	
Engine emissions	TIER 4 Final	
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



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