



DISA-CLEAN 130

Usage

Dry and dust-free high-vacuum cleaning street & area sweeper.

Developed to help meet EU environmental requirements to reduce hazardous PM_{10} and $PM_{2.5}$ particulate matter in cities and industries. Awarded highest 4-star PM-Certificate by EUnited Municipal Equipment.

DISA-CLEAN vacuum sweeper combines sweeping and high-powered vacuuming in a single-operation without the use of water.

Characteristics

DISA-CLEAN operates without water and removes virtually all PM-material, while dispersing no dust into the air. DISA-CLEAN offers superior dust-control. It will not blow particles back out in the air again, as the air is filtered through a unique and efficient 4-step separation and filtering process.

Another reason for the superior dust-control when operating a DISA-CLEAN, is the vacuum-evacuated encapsulated brushes in combination with unique vacuum nozzle that removes dirt and even the finest material from the surface.

The high-performance vacuum pump forces the airflow through the container and filters at maximum capacity and efficiency during the entire operation. The result of this provides DISA-CLEAN with the uniquely high capacity and operational speed, even when the surface is dirty and wet.

Benefits

Using DISA-CLEAN to vacuum sweeping without water brings several advantages and improved results:

- Certified and superior when it comes to removing PM_{10} and $PM_{2.5}$ particulates.
- With superior high-vacuum (-0.45 bar) and high suction force (1,600 kg), much less dust and particles are left on ground and in asphalt cavities.
- No hazardous particles are passing through the system and emitted back into the air due to unique 4-step PM_{10} and $PM_{2.5}$ separation system.
- Brushes are virtually dust-free thanks to rubber protection and vacuum evacuation.
- Saves valuable water resources as no water is used for dust suppression.
- No dust and hazardous particles will be flushed into water drains and further.
- Operational below 0°C as no water is used – sweeping also possible during wintertime.
- Operational in both dry and wet conditions with brushes and high-vacuum suction.
- Operational speed up to 20 km/h with a 2 500 mm wide nozzle provides superior productivity up to 50,000 m²/h.

An easy-to-use touchscreen control system allows the operator to focus on the road and safety. As a true DISAB product, DISA-CLEAN is versatile - it can be transformed into a vacloader with wander hose and nozzle, or for cleaning tramway.



Technical Specifications: DISA-CLEAN 130

Touchscreen CanBus control system provides:

- Ease of operation using a 12" touchscreen (buttons are available too).
- Ease of use and clear graphical images
- Preprogrammed settings
- Control of sweeping gear and vacuum nozzle.
- Displaying auxiliary engine, vacuum pump, filter status etc.
- Control of the hydraulic.



Model

Truck chassis	Volvo FE 250, 4x2 (alt. FM)
Engine	Euro6, 185 kW (246kW)
Wheel base	4.30 m (4.6 m)
Rear axle	13 ton
Front axle	7.1 ton
Gearbox	Allison automatic (I-shift 12-gear)



Auxiliary engine for high-vacuum pump

Model	Turbo, 4-cylinder (Stage III B or IV)
Output	160 kW
Vacuum capacity	400 mbar
Vacuum power	up to 1,600 kg
Air flow	up to 8,000 m ³ /h

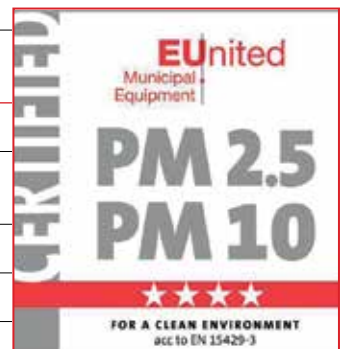


Air control system

Main filters	Class PM _{2.5} PE Teflon
Safety filters	Class PM _{2.5} PE

Vacuum nozzle and sweeping gear (brushes)

Main brushes and vacuum nozzles	2,500 mm width
Optional: side brush left and side brush right	+300 mm each when deployed
Total swept width	3,100 mm
Function	Hydraulic & pneumatic
Operational speed	up to 20 km/h (15 km/h with brushes)
Pay-load volume	approx. 5 m ³



DISA-CLEAN is certified with the highest 4 star for PM₁₀ and PM_{2.5} according to EU United Municipal Equipment.

Specifications may be changed without prior notice.