

Vacuum Sweeper:



DISA-CLEAN 130

The new generation Road Sweeper from DISAB is designed with a combination of traditional broom technology and high vacuum technology which makes it possible to clean streets/road surfaces completely dust free.

DISA-CLEAN technology uses traditional brooms and side brushes, however capsuled within vacuum aspiration which eliminates all dusting around the brooms and brushes.

Directly after the brush system there is a specially designed vacuum nozzle. This nozzle covers the full width of the truck and vacuums the surface with suction power up to 1600 kg. This enables the Disa-clean to also suck the finest particles (PM10) which are normally left behind after conventional sweeping methods.

Crucially Disa-clean uses **NO WATER** in its cleaning process. This means dust and particles are not stuck down to the floor during the process like a conventional sweeper.

Material and dust is sucked into the special designed 4-step separator where everything is separated and the exhaust air is cleaned through a 2-step filter system designed to separate PM 10 particles.

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Results in industry:



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Versatile unit for the Contractor

As the unit is using high vacuum technology it can also be used as a traditional vacuum loader for heavy vacuum cleaning within the process industry.

This means a large capacity hose can be connected to the unit and used with long lengths of operator hose or to be connected to fixed centralized pipework systems.

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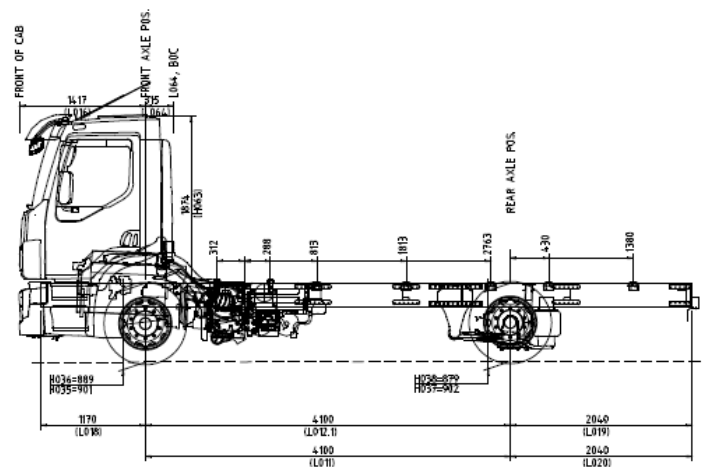
Main components/Technical basic data DISA-CLEAN 130

DISA-CLEAN 130 is designed to be mounted onto a truck chassis.
 Preferable right-hand drive for right-hand traffic roads. Recommended chassis is Volvo FE 240 which is quoted upon request.



Truck chassis Volvo FE 240 4*2 class Euro 6

- Medium chassis height with rear air suspension
- Chassis height medium - approx. 900 mm above ground level
- Day cab (L=1.6 m)
- Euro 4 SCR Selective Catalytic Reduction
- Euro 4 Engine emission control
- Diesel engine, 7 liter, 240 hp, 920 Nm
- Engine brake with Exhaust Press Governor, EPG
- Overdrive manual 9 speed ZF gearbox, 1200 Nm
- Single plate clutch, plate diameter 395 mm
- Wheelbase 4300 mm
- Front axle load 8.0 tons
- Front suspension type, air
- Rear air suspension, 2 bellows
- Rear single reduction solo axle - axle load 13 tons, GCW 44 tons
- Rear axle ratio 6.17
- Rear axle load 13 tons
- Rear suspension type, air
- Without rear stabilizer


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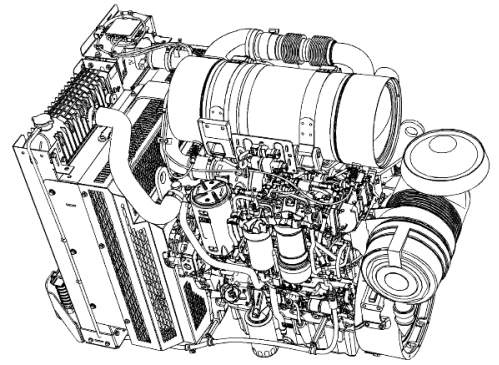
Auxilliary engine (step III B)

Model: Turbo 4-cylinder Perkins (step III B)

Power: 129 kW ISO3046

Diesel tank: integrated with truck tank

Electrical system: 24 VDC



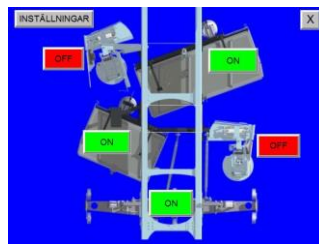
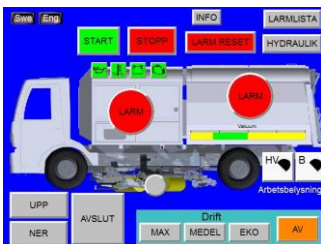
Vacuum pump:

System: Roots Blower
Airflow: 8000 m³/h
Vacuum: 400 mbar



Control system:

All Controls are PLC based with Touchscreen menus for optimal control and handling.



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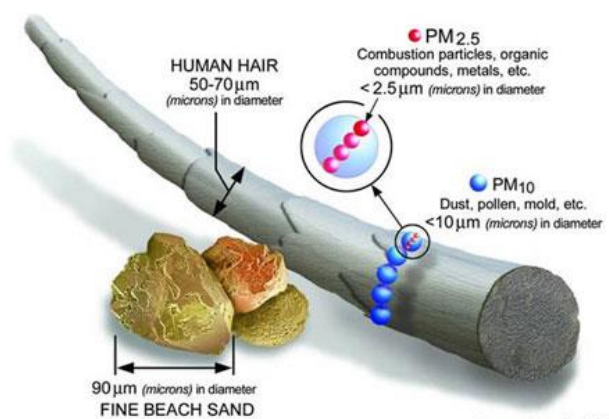
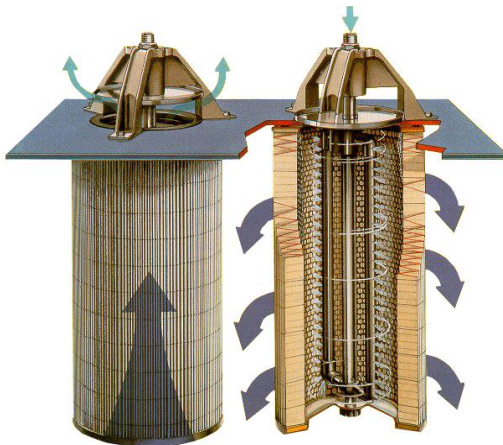
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Filter system:

| | |
|-----------------------------------|--|
| Type: | Filter cartridges of polyester |
| Membrane (coating): | PTFE (Teflon) |
| Filter class (IEC EN 60335-2-69): | M (= particles $\geq 0,2\mu\text{m}$ are separated by 99,9%) |
| Filter cleaning system: | Aut. Roto-pulse |
| Safety/Back-up filter: | Filter cartridge class F7/M |



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Tank volume:

5 m³ (discharged by tipping - hydraulic cylinder)

Rear hose connect: 1 x dia. 203/152 mm

Vacuum nozzle & Aspirated capsuled brooms & side brush

Sweeping width: Main brooms & nozzle 2500 mm

+ **optional** side brush left 300mm + **optional** side brush right 300mm= **total sweeping width 2800 mm/3100mm.**

Function: hydraulic drive with pneumatic vertical control completely dust free.

Miscellaneous:

Working/Operating lighting included

*4 pcs Cameras (rear and nozzles) incl. 7" colour screen (splitscreen) **not included***

*4 pcs Flash lights **not included***

Operating speed: Up to 15 km/hr.

Capacity: - 37500 m²/hr

Cleaning width: 2500-2800 mm (3100 mm)

Pay load: Approx. 5 tonnes (5 m³ tank body)

Noise level: Approx. 85 dB(A) at 5 m distance

Measurements: Height=3,25 m, Length=7,65 m, Width=2,5 m

Total weight: 18 tonnes

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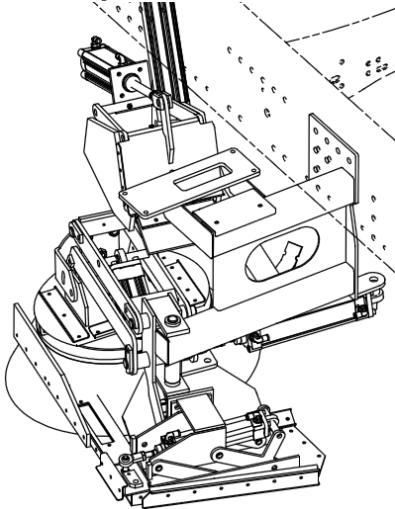
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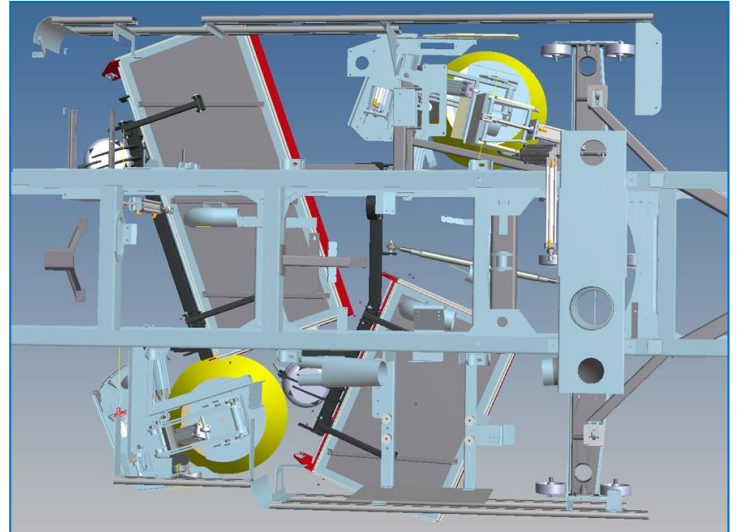
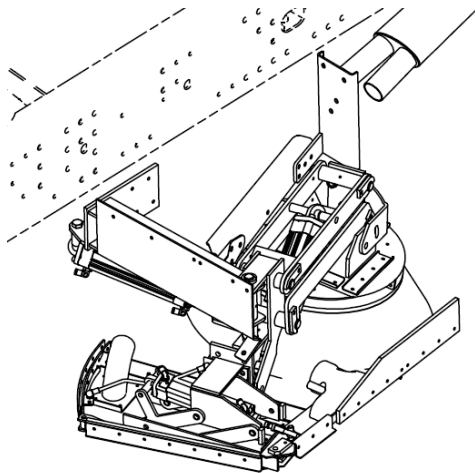
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OPTIONS

1.A Option: Side brush right side.



1.B Option: Side brush left side



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