

*The vacuum loader is equipped with options.*

DISAB Centurion™ LN14

Usage

DISAB Centurion™ LN14 is designed for industrial applications and the square tank makes it suitable for suctioning dry materials. Its strong and efficient suction feature makes it appropriate for industries such as cement, lime, chemicals, plastic, foundries, steelworks, quarries, pulp & paper, shipyards, and energy. The vacloader is designed and adapted for mounting onto a four-axle truck chassis with two front axles.

Characteristics

A DISAB Centurion™ LN14 is powered by a separate diesel engine and is equipped with a suction feature. Its square tank ensure the optimum load volume in relation to the length of the truck and possess great flexibility for different applications with multiple add-ons available.

The tank size is available in 8 / 10 / 12 m³. The discharge of materials occur by tipping the tank and the tank tipping system consists of a hydraulic front cylinder, double acting system to make it easy-to-use for the operator. The tailgate is hydraulically operated and locked.

Benefits

DISAB Centurion™ LN14 offers extremely good suction capacity. The vacuum pump is powered by a separate diesel engine which results in a more quiet operation, as well as allowing operation using tax-free diesel.

Other benefits include:

- The vacloader operates independently of the truck.
- More options when it comes to choosing a chassis.
- The material tank and filter compartment are combined and the dust from the filter compartment is emptied through a hatch in the partition wall in the tank at the same time as the tank is tilted.
- Sold with extensive DISAB Academy training included to optimize safety and economical value.
- Multiple options available, tailored to your specific needs.

Technical Data Chart for DISAB Centurion™ LN14

Description

Vacuum pump	Three-Lobe Roots Pump	Max vacuum, mbar	950
Max overpressure, mbar	N/A	Air volume m ³ /h (unloaded)	8,100
Operating speed (rpm)	2,650	Power, kW	220
Voltage Frequency, V/Hz	N/A	Power source	Diesel
Engine type	Stage III / Stage V	Tank material	Carbon steel / stainless steel
Tank volume (m ³)*	8 / 10 / 12	Total tank volume (m ³)	11 / 13 / 15
Tank tipping system	Hydraulic front cylinder, double acting system. Tailgate is hydraulically operated and locked.	Main filter system (m ²)	70 galvanized / stainless steel cages with filter socks in needled polyester glazed surface. Filter area is 26 m ² .
Cooling air filter	Cartridge filter	Safety filter surface (m ²)	33
ATEX approved	On request		

* Excluding filter volume

Core function

Suction	Yes
Blow / ejec	N/A
Transport (ADR)	N/A
Discharge	By tipping the tank
Dry materials	Yes
Wet materials	No

Weight and Dimensions**

Complete unit including chassis (kg)	21,000
Total unit length including truck chassis (mm)	9,100
Total width (mm)	2,500
Height with hose boom (mm)	3,900

** Weight and dimensions are approximate and dependant of chassis and the vacuum unit equipment.



DISAB Centurion™ LN14 is a truck mounted unit that can transport bulk materials by vacuum through a hose system with a diameter up to 200 mm.

There are several options for the DISAB Centurion™ LN14, which means you can adapt the vacuum loader to your needs.