

# DISAB

THE POWER OF VACUUM



*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 overpressure, mbar	N/A
Operating speed (rpm)	2,650
Voltage Frequency, V/Hz	N/A
Engine type	Stage III / Stage V
Tank volume (m³)*	8 / 10 / 12
Tank tipping system	Hydraulic front cylinder, double acting system. Tailgate is hydraulically operated and locked.
Cooling air filter	Cartridge filter
ATEX approved	On request

\* Excluding filter volume

Max vacuum, mbar	950
Air volume m³/h (unloaded)	8,100
Power, kW	220
Power source	Diesel
Tank material	Carbon steel / stainless steel
Total tank volume (m³)	11 / 13 / 15
Main filter system (m²)	70 galvanized / stainless steel cages with filter socks in needed polyester glazed surface. Filter area is 26 m².
Safety filter surface (m²)	33

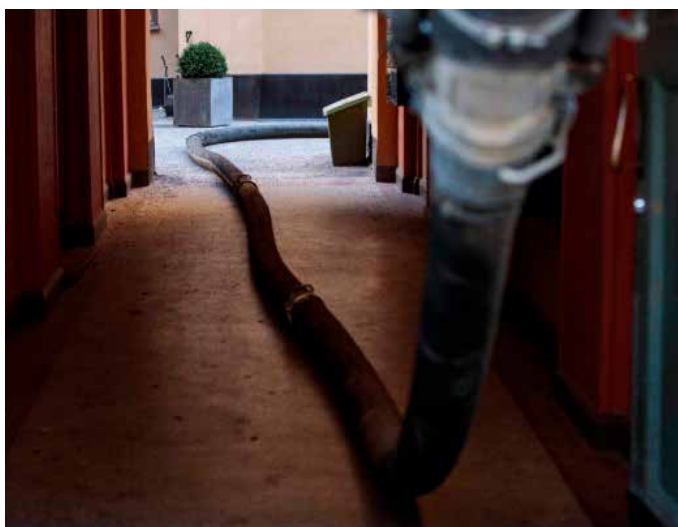
## Core function

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.



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

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.