

DISAB Vacloader



(This unit is equipped with options)

CENTURION LN20 on semi-trailer

A complete semi-trailer mounted material handling unit that can convey material using airstreams (pneumatic transport), created by either vacuum or overpressure.

The unit is equipped with a separate diesel engine offering the possibility to utilize local fuel taxation regulations. It also makes the machine operate independently of the truck.

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.

Collected material is discharged by tilting the tank or pneumatically through a hose.

Technical data

Diesel engine

A six cylinder turbocharged diesel engine complying with the EU Stage IV / EPA Tier 4f emission requirements.

Make	Volvo D8 TAD873VE
Cylinder volume	7.7 l
Power	235 kW/320 hp
Max engine speed	2200 rpm/min
Injection	SCR technology and a cooled EGR
Charging system	24 VDC
Engine cooler	Water to air
Air charging cooler	Air to air



Vacuum pump	Kaeser Omega 83 PV
Max.vacuum	-950 mbar
Max overpressure	+1100 mbar
Air volume, unloaded	8100 m ³ /h
Air volume (-500mbar)	7100 m ³ /h
Operating speed	1100 - 2650 rpm
Max power required	220 kW



Main filter system	2x35 galvanized cages with filter socks in needled polyester -glazed surface. Filter area 26 m ²
Safety filter system	3 filter cartridges - 33 m ² located in the machine house



Tank	Gross volume 12000 litres
Tailgate	Hydraulically operated and locked
Tipping system	Hydraulic front cylinder, double acting system
Level guards	Wet resp dry level guards



Technical changes without notice