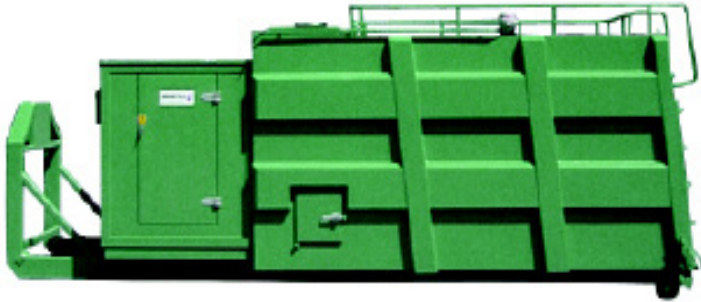


DISAB Industrial Vacloaders



The SEL units are handled by a standard ro-/ro-vehicle and can operate on the truck-chassis or at ground level.

Ro-RoVac Suction unit SEL electrical

The SEL suction units meet the high demands from the industry due to its efficiency, reliability, ease of operation and maintenance giving excellent value for money.

The SEL Units are complete electrical vacuum loaders that are mounted onto a ro-/ro-frame. Dry material and even liquids can be handled by the units. Together with a fixed pipe system it can operate as a perfect central vacuum unit for industrial applications and also operate as an independent vacuum loader with a 5" hose.

- Rigid design for industrial use
- Roots-type high vacuum pump (50 – 80%)
- Filter system for dry and wet material
- Automatic cleaning without compressed air
- Engine power 30 – 55 kW
- Large dust collecting hopper
- Low noise level

WHY SEL

Within many heavy industries there are often long distances between buildings for raw material handling, production and packing. The SEL is then a suitable choice, as it is easy to move between different work areas. The high suction capacity together with the large hopper, all placed onto a ro-/ro-frame, makes the whole unit easy to handle and transport. The unit is operational as soon a pipe/hose and power are connected.

Discharge of sucked material is easily done through the large tailgate when the unit is tilted.

OPERATION

The vacuumed material is first separated in a special designed fall chamber with a wear proof pre-separator inlet. In this section the heavier particles fall to the bottom of the container. The air will be lead to the main filter section where any remaining fine dust will be separated. From the filter section the air passes a safety filter before entering the vacuum pump and a silencer before exhaust.

The well insulated motor compartment reduces the noise level considerably.

An unloading valve is placed between the main filter system and the vacuum pump. The vacuum will immediately be equalised when the valve is opened and the main filters will be cleaned. This prevents counter-rotation of the engine as well as less power consumption at start. The valve is also activated by safety control functions.

All functions are seen at the dust-tight control panel and control lamps indicates the operational status of the unit.

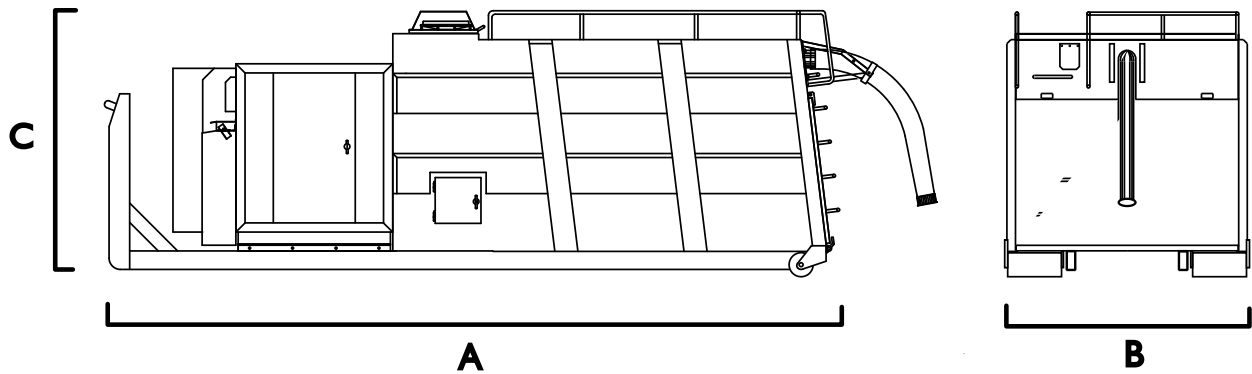
APPLICATION

For use in any industrial application where collection of dust is required i.e. clean out; deep pits, trenches, bucket elevators, conveyor spills, overhead cranes and runaways, dust collectors, processing machine spillage etc. The unit is specially suitable where bulky or sticky material shall be collected due to its convenient discharging.

TYPICAL USERS

Manufacturers of Cement, Lime, Gypsum, Tiles, Ceramics, Chemicals, Plastics, Fertilizers and Alumina.

Foundries, Steel mills, Quarries, Mines, Pulp- and Paper Industry, Incineration Plants, Thermo-electric Power Plants, Painting Contractors/Shipyards, Cleaning Contractors...



Ro-RoVac Suction unit SEL electrical

VACUUM PUMP

The vacuum producer is a Roots-type vacuum pump, powered by an electrical motor and V-belt transmission. Pump and motor is mounted on a common steel structure machine frame, which also is the exhaust silencer. The vacuum pump is equipped with a spring loaded safety valve that prevent the vacuum not to exceed maximum operation range. For extra protection of the pump, a high temperature sensor and a safety filter are installed.

The drive part is built into an insulated steel enclosure with silencers to reduce noise level and fitted with service doors for access purposes.

MAIN FILTER

The main filter compartment contains a cassette filter with flat filter bags, made of specially treated polyester needle felt. Service of filters is easy from the clean gas side from the outside of the unit.

The filter system is equipped with a vacuum controlled ATM (air-repulse) filter cleaning system. When activated, large air inlets will ensure a fast backwards air direction through the filters, thus in an efficient way knocking off collected dust from the filter surface.

DUST BIN

Type: Square container, tailgate door with manual locking.
(Hydraulic controlling, watertight, option)

Volume: 8 m³ dust/material capacity

CONTROLS

Electrical panel for start/stop and control of the unit is placed outside the housing. Front panel is equipped with push buttons for operation, and indication lamps for operation mode and alarm. Furthermore the front panels also compromise indication gauge for vacuum and an emergency stop button.

MISCELLANEOUS

Hose connection: 152 mm
Filter class: L,M IEC EN 60335-2-69
Material: Steel S 235 JG2
Ro-/Ro-frame: SS 3021
Painting: System C2, RAL 3003 red

OPTIONS

- Aut. Jetpulse Filter Cleaning
- DP-Gauge: Safety Filter
- DP-Switch; Safety Filter
- Extra Noise Insulating ATM-Valve
- Hydraulic Operation/Locking Tail Gate
- Hydraulic Unit, for Tipping & Tail Gate Operation
- Level Control, Paddle or Vibrating type
- Line (Circuit) Braker
- Pre Designed for Remote Control 24V
- Radio Remote Control (CE, Carrier vave interr.)
- Star-Delta Starter
- Temp Switch Motor
- Timer Auto Stop
- V-Belt Cover
- Vacuum Timer Stop
- Ventilator Cooling

Item/Model		SEL.30	SEL.37	SEL.45	SEL.55
Dimensions, mm	A	6150	6150	6150	6150
	B	2100	2100	2100	2100
	C	2300	2300	2300	2300
Weight, kg (approx)		3700	3850	4000	4250
Max Vacuum, mbar		500	500	500	500
Air Volume m ³ /h (unloaded)		1855	2245	2617	3360
Electrical Motor, kW		30	37	45	55
Voltage Frequency, V/Hz		400/50	400/50	400/50	400/50
Main Filter surface, m ²		15	15	15	15
Safety Filter Surface, m ²		20	20	20	20
Noise Level dB(A) (at 5 m distance)		65	67	67	69
Layout		F-20719	F-20719	F-20719	F-20719

We reserve the right to alter any specifications without prior notice

Manufacturer:

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