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**Commercial Information**  
*The Art of Powerful Cleaning...*

**Version / Date:** 01 / 0903

**Title:** Airblast Industrial Vacuum Power



## SEBF-I

**The Airblast SEBF-I 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 SEBF units are a series of electrical powered vacuum units that are fitted on a solid metal frame with telescopic legs. Together with a fixed pipe network this is a perfect central vacuum unit for smaller industrial installations.

- Rigid design for industrial use
- Filter system which can handle dry and wet material
- Automatic filter cleaning without compressed air
- Several options for filters and other accessories
- Engine power ranging from 5 to 23 kW.
- Control panel placed in dust-tight enclosure.
- Optional discharge system for continuous discharge and enclosed handling.
- Telescopic legs adjustable in height to fit most dust receivers.
- 32 amps electrical plug makes the unit useable in most industrial areas

### WHY SEBF-I

A fork lift is usually available in all industrial companies and there are often bins available for dust and waste inside or outside the works. This is why the SEBF-I is a suitable choice. The high suction capacity together with its flexible discharge system makes the unit very useful in most vacuum cleaning situations. Due to its flexibility the unit gets access to most areas where cleaning needs to be carried out without the use of a fixed pipe network, and for material that shall be recycled or enclosed in bags and similar.

### OPERATION

Collected material in the filter unit compartment is emptied through either a pneumatic bottom valve or a mechanical flap valve. A bin-level control can also be fitted. For discharging into a bag, hopper or other receiver, the legs of the unit are adjustable in height 1 m to allow placing a receiving bin under the discharge valve. The units are equipped with a safety valve that through spring release opens at the max. vacuum. An unloading valve is mounted between the main filter system and the vacuum unit. The vacuum will immediately be equalised when the valves are opened and at the same the main filters will be cleaned. This will also prevent counter-rotation of the engine. The unloading valves will always automatically open at stop and start. They will also be activated by safety control functions. All functions are controlled from the control panel and control LED:s and gauges will indicate the units operational status.

### APPLICATIONS

For general cleaning and bulk suction in any industrial application where high capacity is required together with flexibility, mobility, reliability and low noise level.

### TYPICAL USERS

Manufacturers of Cement, Lime, Gypsum, Tiles, Concrete, Chemicals, Plastics, Fertilizer and Alumina. Foundries, Steel mills, Pulp-and Paper Industry, Quarries, Bakeries, Work Shops...

To increase the pick-up capacity of the SEBF-I units they can work in conjunction with pre-separators i.e. vacuum skips



### DUST BIN

Type: Conical hopper

Bin Volume: 0,3 m<sup>3</sup> bin volume

Bottom flange: 200 –350 mm

Discharge valve: Balanced flap valve as standard other upon request

### MISCELLANEOUS

Electrical Controls: 3-phase 400 V, 50Hz,

Star-/Delta-starter with motor protective switch, steel enclosure IP 65 with gauge.

Dust emission: < 20 mg/Nm<sup>3</sup>

Material: SIS steel 1312

Hose connection: Ø102 mm

Painting: System M 2, RAL 5007, blue

### OPTIONS

- Other voltage upon request
- Jet-pulse filtercleaning
- Inlet Ø 76 mm
- Binlevel alarm
- Sluice discharging systems
- Big-bag adaption
- DP-alarm

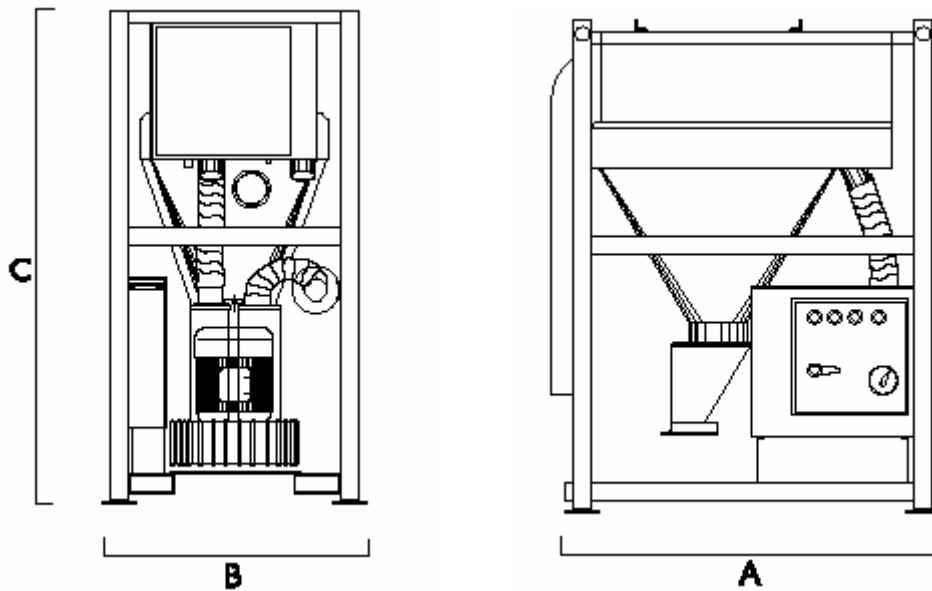
**VACUUM PUMP**

The vacuum producer is a turbo pump of side channel blower type, with it's electrical drive motor direct coupled and placed on a steel structured machine frame. The vacuum pump is equipped with a spring loaded safety valve regulating the vacuum not to exceed its maximum operating range. The drive part is built into an insulated steel enclosure to reduce noise level and fitted with service doors for access purposes.

**FILTER SYSTEM**

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.



Item \ Model		SEBF-1/5.5	SEBF - 1/13	SEBF-1/18
Dimensions, mm (all dim. excl. frame)	A	1630	1630	1630
	B	1150	1150	1150
	C	2145	2145	2145
Weight, kg (approx.)		668	730	820
Max. Vacuum, mbar		300	310	410
Air Volume, m3/h (at 100 mbar)		525	1050	1100
Electrical Motor, kW		7.5	13	17.8
Voltage Frequency, V/Hz		400 / 50	400 / 50	400 / 50
Filter Surface, m2		5	5	5
Noise Level, dB(A) (at 1 m distance)		75	75	75
Hose Pipe Connection, dia. mm		108	108	108

*We reserve the right to alter any specifications without prior notice*