



## DG 50 EXP SE - INDUSTRIAL THREE PHASE



STEELWORKS AND FOUNDRIES



ALUMINUM AND PVC



OEM ORIGINAL EQUIPMENT MANUFACTURERS



CEMENT



CLEANING CONTRACTORS



- ✓ Side channel blower motor , powerful and silent, totally maintenance free, suitable for continuous duty
- ✓ Largest surface filter in its category
- ✓ Pressure relief valve for motor protection
- ✓ Compact and mobile
- ✓ Long lasting

- ✓ Very suitable for the suction of large quantities of material
- ✓ Easily removable container for safe disposal of collected material
- ✓ High efficiency filtration
- ✓ Low noise level
- ✓ Suitable for continuous use



### SUCTION UNIT

Voltage	V - Hz	400 - 50
Power	kW	4,3
Electrical protection	IP	55
Max waterlift	mmH2O	5.100/3.700
Max air flow	m <sup>3</sup> /h	320
Suction inlet	mm	80
Noise Level (EN ISO 3744)	dB(A)	73



### FILTER UNIT

Filter Type		Star
Surface - Diameter	cm <sup>2</sup> -mm	30.000 - 500
Material - Efficiency	IEC 60335-2-69	Polyester - L
Air load on filter	m <sup>3</sup> /m <sup>2</sup> /h	107
Cleaning system		Manual



### COLLECTION UNIT

Discharge system		Roll-out container
Capacity	lt.	100



### VOLUME

Dimensions	cm	66x118x145h
Weight	kg	145



## SUCTION UNIT

A pressure relief valve protects the motor, providing additional air for cooling.

The suction unit is a side channel blower, with direct coupling between the motor and the impeller fan. It designed without any transmission system, and is therefore silent, totally maintenance free and suitable for continuous duty operations.



## FILTER UNIT

The large surface star filter, located inside the filter chamber, is made of polyester and provides high resistance against clogging and passage of fine dust.

It is possible to clean the filter using an integrated mechanical system: an external lever shakes the filter vertically and enables to clean the filter thoroughly and safely, maintaining constant suction performance and preventing any dispersion of dust in the environment.



## COLLECTION UNIT

The vacuum is assembled onto a sturdy steel chassis, and provided with industrial quality wheels, that make it suitable for mobile service even when used on rough surfaces.

The vacuumed material is collected into a wheeled steel container, which can be extracted for easy disposal and can be used with optional disposable bags, for safer and handler disposal.

The detachable steel collection tank has a quick release system for the rapid disposal of the sucked material.

The unit is manufactured with thick painted steel for improved sturdiness and long-lasting lifetime



## OPTIONALS

- ✓ ABSOLUTE HEPA FILTER
- ✓ ANTISTATIC FILTER CLASS M
- ✓ PTFE COATED FILTER CLASS M
- ✓ STAINLESS STEEL TANK AND FILTER CHAMBER
- ✓ FLOATING DEVICE TO STOP SUCTION WHEN THE BIN IS FULL OF LIQUIDS
- ✓ CYCLONE FOR FILTER PROTECTION
- ✓ REMOTE CONTROL
- ✓ OTHER VOLTAGES AND FREQUENCIES AVAILABLE UPON REQUEST
- ✓ STAINLESS STEEL CHAMBER