

DG 50 IECEx - INDUSTRIAL THREE PHASE



STEELWORKS AND FOUNDRIES



ALUMINUM AND PVC



OEM ORIGINAL EQUIPMENT MANUFACTURER



CEMENT



ADDITIVE MANUFACTURING



- ✓ Side channel blower motor , powerful and silent, totally maintenance free, suitable for continuous duty
- ✓ Compact and mobile
- ✓ 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 24/7
- ✓ IECEx Certified



SUCTION UNIT

Voltage	V - Hz	400 - 50
Power	kW	4
Max water lift	mmH ₂ O	2.300
Max air flow	m ³ /h	320
Suction inlet	mm	80
Noise level (EN ISO 3744)	dB(A)	72



FILTER UNIT

Filter Type	Star	
Surface - Diameter	cm ² -mm	30.000 - 500
Material - Efficiency	IEC 60335-2-69	Polyester - ANT M
Air load on filter	m ³ /m ² /h	140
Cleaning system	Manual	



COLLECTION UNIT

Discharge system		
Capacity	l	100



VOLUME

Dimensions	cm	60X103X170
Weight	kg	145



SUCTION UNIT

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

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



FILTER UNIT

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.

An antistatic polyester star filter is placed inside the steel filter chamber. This filter protects the suction unit by preventing any spark which might be caused by electrostatic discharge.

A HEPA filter is included as standard (99,995% on 0,18 micron, class H) which holds the finest dusts and guarantees the cleanliness of the leaving air.



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 AISI 304 stainless steel collection tank has a quick system for the rapid disposal of the vacuumed material.



OPTIONALS

- ✓ OTHER VOLTAGES AND FREQUENCIES AVAILABLE UPON REQUEST
- ✓ ABSOLUTE HEPA FILTER /H14
- ✓ STAINLESS STEEL COLLECTION TANK
- ✓ STAINLESS STEEL TANK AND FILTER CHAMBER
- ✓ TOTAL STAINLESS STEEL CONSTRUCTION