

## DG VL 185 PN - INDUSTRIAL THREE PHASE



CEMENT



CERAMICS AND POTTERY INDUSTRIES



BUILDING AND CONSTRUCTION



- ✓ Side channel blower motor , powerful and silent, totally maintenance free, suitable for continuous duty
- ✓ Largest surface filter in its category
- ✓ Tangential suction inlet with integrated separation cyclone
- ✓ Extractable collection container with optional use of disposable bags
- ✓ Pressure relief valve for motor protection
- ✓ Low noise level
- ✓ Star-triangle switchboard
- ✓ Fork lift intakes included
- ✓ Integrated automatic filter cleaning system



### SUCTION UNIT

Voltage	V - Hz	400 - 50 3~
Power	kW	18,5
Electrical protection	IP	65
Max water lift	mmH <sub>2</sub> O	4000
Max air flow	m <sup>3</sup> /h	1350
Suction inlet	mm	120
Noise level (EN ISO 3744)	dB(A)	82



### FILTER UNIT

Filter Type	Cartridge	
Surface - Diameter	cm <sup>2</sup> -mm	106000
Material - Efficiency	IEC 60335-2-69	Polyester - ANT M
Air load on filter	m <sup>3</sup> /m <sup>2</sup> /h	127
Cleaning system	Automatic PN	



### COLLECTION UNIT

Discharge system		
Capacity	l	160



### VOLUME

Dimensions	cm	170x74x213h
Weight	kg	450



## SUCTION UNIT

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.

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



## FILTER UNIT

The suction inlet is tangential, with an internally welded cyclone that deflects the incoming material.

The filter is cleaned by an automatic system with backwash of the chambers. Compressed air is provided by an onboard compressor.

The polyester cartridge filter placed inside the filter chamber guarantees a large filter surface and prevents the clogging of the filter.



## COLLECTION UNIT

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 handier disposal



## OPTIONALS

- ✓ ABSOLUTE HEPA FILTER /H14
- ✓ PTFE COATED FILTER CLASS M
- ✓ STAINLESS STEEL COLLECTION TANK
- ✓ STAINLESS STEEL TANK AND FILTER CHAMBER
- ✓ EARTH GROUNDING
- ✓ OTHER VOLTAGES AND FREQUENCIES AVAILABLE UPON REQUEST
- ✓ FLOOR FIXED SYSTEM, WITHOUT WHEELS
- ✓ Z22 ATEX CERTIFICATION
- ✓ REMOTE CONTROL