



## DG VL 125 - 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
- ✓ Integrated filter cleaning system
- ✓ Tangential suction inlet with integrated separation cyclone
- ✓ Complete steel construction
- ✓ Pressure relief valve for motor protection
- ✓ Vacuum gauge to detect filter clogging
- ✓ Star-triangle switchboard
- ✓ Simultaneous suction of solid, dust and liquid material
- ✓ Fork-lift intakes included
- ✓ Self-clean automatic filter cleaning system

### SUCTION UNIT

Voltage	V - Hz	460 - 60 3~
Power	HP (kW)	19.4 (14.5)
Electrical protection	IP	65
Max water lift	inH2O (mmH2O)	108.3 (2750)
Max air flow	CFM (m3/h)	735.7 (1250)
Suction inlet	in (mm)	5 (120)
Noise level (EN ISO 3744)	dB(A)	75

### FILTER UNIT

Filter Type		Star
Surface - Diameter	ft <sup>2</sup> (m <sup>2</sup> ), mm	75 (7), 560
Material - Efficiency	IEC 60335-2-69	Polyester - ANT M
Air load on filter	ft <sup>3</sup> /min (m <sup>3</sup> /hr)	9.8 (157)
Cleaning system		SELF-CLEAN

### COLLECTION UNIT

Discharge system		Roll-out container
Capacity	gal (L)	42 (160)

### SIZE

Dimensions	in (cm) WxLxH	71x30x79 (180 x 77 x 200)
Weight	lb (kg)	485 (220)



## 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

A vacuum gauge enables visibility of the status of the filter and detects possible clogging, warning the operator that the filter must be cleaned.

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

The filter is equipped with a semi-automatic cleaning system handled by the operator. A pneumatic cylinder shakes the star filter by a vertical shaking movement which causes the detachment of dusts and wastes from the filter. The operator will be able to decide when to turn the vacuum cleaner off and to clean the filter. The vacuum cleaner is equipped with a compressor which guarantees the autonomy of the machine.



## COLLECTION UNIT

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

The roll-out steel collection tank has a quick release system for the rapid disposal of the vacuumed material.

Includes fork-lift intakes for easy discharge.

## OPTIONALS

- ✓ ABSOLUTE HEPA FILTER /H14
- ✓ PTFE COATED FILTER CLASS M
- ✓ REVERSE PULSE FILTER CLEANING
- ✓ STAINLESS STEEL COLLECTION TANK
- ✓ STAINLESS STEEL TANK AND FILTER CHAMBER
- ✓ EARTH GROUNDING
- ✓ OTHER VOLTAGES AND FREQUENCIES AVAILABLE UPON REQUEST
- ✓ REMOTE CONTROL