

INDUSTRIAL THREE-PHASE DG VL 110 SE

The DG VL 110 is the intermediate power vacuum cleaner of the Heavy Duty range but its enhanced features makes of this vacuum cleaner one of the best industrial vacuum cleaners in its segment. Equipped with a powerful new generation side channel blower, its great performances allows the recovery of heavy materials in large quantities without efforts.



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.



FILTRATION UNIT

The suction inlet is tangential, with an internally welded cyclone that deflects the incoming material. 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. A vacuum gauge enables to check constantly the state of the filter and detect possible clogging, warning the operator that the filter must be cleaned. The filter is equipped with a semiautomatic 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. This way, the operator will be able to decide without any limits 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 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.

Main Features:

- Easy filter replacement
- Side channel blower motor
- Powerful, silent & maintenance free
- Suitable for continuous duty
- Reduced downtime of machine tools
- Integrated filter cleaning system
- Pressure relief valve for motor protection
- Vacuum gauge to detect filter clogging
- Star-triangle switchboard for progressive motor start
- Extractable collection container with optional use of disposable bags
- Tangential suction inlet with integrated separation cyclone



MODELS AND DATASHEET

MODELS	DG VL 110 SE
Power (V - Hz)	400 - 50
Power (Kw)	11
Electrical Protection (IP)	65
Max Waterlift (mmH2O)	6000
Max Airflow (m3/h)	480
Suction Inlet (mm)	120
Noise Level (EN ISO 3744) - dB(A)	71
Filter Type	Star
Surface Diameter (cm2-mm)	70,000 - 560
Material - Efficiency (IEC 60335-2-69)	Polyester - L
Air Load on Filter (m3/m2/h)	68
Cleaning System	SELF CLEAN
Discharge System	Roll-out container
Capacity (Litres)	160
Dimensions (cm)	180 x 77 x 200H
Weight (kg)	200



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