

# HIGH POWER INDUSTRIAL VACUUM CLEANER WITH LOBE PUMP

## DHV 22 COMPACT

High performance mobile industrial vacuum cleaner with lobe pump mounted on a removable container. Its exceptional suction performance makes it ideal for continuous, heavy duty use in working conditions typical of heavy industry where there are large quantities of material to be vacuumed.

The filtering system comprises a star filter and polyester safety cartridge to protect the pump. Automatic filter cleaning is carried out by a Self Clean shaker filter and actuated by the on board compressor. The collection container can be removed by pneumatically lifting the unit and emptied from the bottom via a large tilting door with lever. It closes automatically when the container is lowered to the ground. Large inspection doors allow easy access to the engine compartment, while eyebolts make it easy to handle the unit by forklift. Available in Atex-certified version



### SUCTION UNIT

The suction unit is provided with a volumetric vacuum pump with tri-lobe rotors which can reach very high airflow and waterlift levels. A safety filter guarantees the maximum protection for both motor and pump.



### FILTRATION 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. 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. 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 unit is manufactured with thick painted steel for improved sturdiness and a long-lasting lifetime. The material is collected into a capacious and detachable container, which is easy to handle thanks to fork lift intakes. The material is safely and quickly discharged by means of a lever. Forklift intakes for easy discharge.

### Main Features:

- Sturdy vacuum cleaner for intensive use
- Powerful lobe pump with electric motor
- High performances and long-lasting equipment
- High efficiency filtration
- Semi-automatic filter cleaning system
- Easy to handle
- Detachable container with fork lift intakes which make it is easy to handle
- Discharge system by means of a valve
- Low noise level
- Great autonomy of the system



### MODELS AND DATASHEET

MODELS	DHV 22 COMPACT
Power (V - Hz)	400 - 50
Power (Kw)	22
Electrical Protection (IP)	55
Max Waterlift (mmH2O)	5000
Max Airflow (m3/h)	1300
Suction Inlet (mm)	100
Filter Type	Star
Surface Diameter (cm2-mm)	70,000 - 560
Material - Efficiency (IEC 60335-2-69)	M - PTFE
Cleaning System	SELF CLEAN
Secondary Filter	Safety Cartridge
Surface (cm2)	70,000
Capacity (Litres)	1000
Discharge System	Forklift Portable Container
Dimensions (cm)	160 x 152 x 253H
Weight (kg)	1260



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