

## DG 300 HD - INDUSTRIAL THREE PHASE



STEELWORKS AND FOUNDRIES



CEMENT WORKS AND CONSTRUCTION



POWER PLANTS



WASTE TREATMENT - RECYCLING - INCIN



- ✓ Tangential suction inlet with integrated separation cyclone
- ✓ Complete steel construction
- ✓ High filtration efficiency
- ✓ Fork lift intakes included
- ✓ Suitable for high specific weight material
- ✓ Side channel blower motor , powerful and silent, totally maintenance free, suitable for continuous duty
- ✓ Star-triangle switchboard for progressive motor start
- ✓ Integrated automatic filter cleaning system
- ✓ Pressure relief valve for motor protection
- ✓ Vacuum gauge to detect filter clogging



### SUCTION UNIT

Voltage	V - Hz	400-50 3~
Power	kW	25
Electrical protection	IP	65
Max waterlift	mmH2O	4500
Max air flow	m <sup>3</sup> /h	2200
Suction inlet	mm	120
Noise level (EN ISO 3744)	dB(A)	78



### FILTRATION UNIT

Filter Type		Star
Surface - Diameter	cm <sup>2</sup> -mm	120.000-780
Material - Efficiency	IEC 60335-2-69	Polyester - L
Air load on filter	m <sup>3</sup> /m <sup>2</sup> /h	171
Cleaning system		Automatic AUT



### COLLECTION UNIT

Capacity	lt.	220
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### VOLUME

Dimensions	cm	92x220x220h
Weight	kg	805



## 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.



## FILTRATION UNIT

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

The filter is equipped with an automatic filter shaking system. A pneumatic cylinder periodically shakes the star filter by a vertical shaking movement which causes the detachment of dusts and wastes from the filter. The frequency and length of this system can be adjusted by means of a timer placed inside the electrical panel

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.



## COLLECTION UNIT

The detachable steel collection tank has a quick release system for the rapid disposal of the sucked material.

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.

Forklift intakes for easy discharge.



## OPTIONALS

- ✓ OTHER VOLTAGES AND FREQUENCIES AVAILABLE UPON REQUEST
- ✓ STAINLESS STEEL TANK AND FILTER CHAMBER
- ✓ STAINLESS STEEL COLLECTION TANK
- ✓ ANTISTATIC FILTER CLASS L
- ✓ ANTISTATIC FILTER CLASS M
- ✓ ABSOLUTE HEPA FILTER
- ✓ FILTER FOR FINE DUST - CLASS M
- ✓ HEAT RESISTANT FILTER (UP TO 250° CELSIUS)
- ✓ PTFE COATED FILTER CLASS M
- ✓ EARTH GROUNDING
- ✓ REMOTE CONTROL