



## DG 70 - INDUSTRIAL THREE-PHASE



STEELWORKS AND FOUNDRIES



ALUMINUM AND PVC



OEM ORIGINAL EQUIPMENT MANUFACTURERS



CEMENT



CLEANING CONTRACTORS



- ✓ Compact and mobile
- ✓ Easily roll-out container for safe disposal of collected material
- ✓ Largest surface filter in its category
- ✓ Long-lasting
- ✓ Very suitable for vacuuming large quantities of material
- ✓ Suitable for continuous use 24/7

- ✓ Side channel blower motor , powerful and quiet, totally maintenance-free, suitable for continuous duty
- ✓ Pressure relief valve for motor protection
- ✓ Heavy-duty steel construction
- ✓ High efficiency filtration
- ✓ Low noise level



### SUCTION UNIT

Voltage	V - Hz	460 - 60 3~
Power	HP (kW)	8.4 (6.3)
Electrical protection	IP	55
Max water lift	inH <sub>2</sub> O (mmH <sub>2</sub> O)	110.2 (2800)
Max air flow	CFM (m <sup>3</sup> /h)	353.1 (600)
Suction inlet	in (mm)	3 (80)
Noise level (EN ISO 3744)	dB(A)	72



### FILTER UNIT

Filter Type		Star
Surface - Diameter	cm <sup>2</sup> -mm	32 (3), 500
Material - Efficiency	IEC 60335-2-69	Polyester - L
Air load on filter	m <sup>3</sup> /m <sup>2</sup> /h	10.9 (176)
Cleaning system		Manual



### COLLECTION UNIT

Discharge system		Roll-out container
Capacity	gal (L)	26 (100)



### SIZE

Dimensions	in (cm) WxLxH	26x46x57 (66x118x145)
Weight	lb (kg)	331 (150)



## SUCTION UNIT

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

The suction unit is a side channel blower, with direct coupling between the motor and the impeller fan. It has been designed without any transmission system, and is therefore quiet, totally maintenance-free and suitable for continuous duty operations.

The vacuum is generated by one through-flow motor, which operates thanks to the air that travels through the fan system and is discharged directly over the motor windings as it exits, so the air also provides cooling for the motor.



## FILTER 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.

It is possible to clean the filter using an integrated mechanical system; an external lever shakes the filter vertically and enables to clean the filter thoroughly and safely, maintaining constant suction performance and preventing any dispersion of dust into the environment.



## COLLECTION UNIT

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.

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

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

- ✓ PTFE COATED FILTER CLASS M
- ✓ STAINLESS STEEL TANK AND FILTER CHAMBER
- ✓ EARTH GROUNDING
- ✓ CYCLONE FOR FILTER PROTECTION
- ✓ ABSOLUTE HEPA FILTER /H14
- ✓ FLOOR FIXED SYSTEM, WITHOUT WHEELS
- ✓ ACTIVATED CARBON FILTER
- ✓ REMOTE CONTROL
- ✓ ENDLESS BAG BAGGING SYSTEM