



Intertek

DG 86 AF D2 - COMBUSTIBLE DUST

ETL CERTIFIED FOR CLASS II, DIVISION 2**Groups F, G**

CEMENT



CERAMICS AND POTTERY INDUSTRIES



RUBBER



- ✓ Side channel blower motor, powerful and quiet, totally maintenance-free, suitable for continuous duty
- ✓ Largest surface filter in its category
- ✓ Complete steel construction
- ✓ Roll-out collection container with optional use of disposable bags
- ✓ Pressure relief valve for motor protection
- ✓ Vacuum gauge to detect filter clogging
- ✓ Easy filter replacement
- ✓ High filtration efficiency



SUCTION UNIT

Certification	ETL Class II Div. 2	
Groups	F,G	
Voltage	V - Hz	460 - 60 3~
Power	HP (kW)	11.5 (8.6)
Electrical protection	IP - NEMA	55 - 4
Max water lift	inH ₂ O (mmH ₂ O)	108.4 (2753)
Max air flow	CFM (m ³ /h)	482.6 (820)
Suction inlet	in (mm)	3 (80)
Noise level (EN ISO 3744)	dB(A)	75



FILTER UNIT

Filter Type	Star	
Surface - Diameter	ft ² (m ²), mm	53.8 (5), 500
Media, class (IEC 60335-2-69)2	Polyester - ANT M	
Air load on filter	ft/min (m/hr)	9.0 (164)
Cleaning system	Manual shaking	



COLLECTION UNIT

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



SIZE

Dimensions	in (cm) WxLxH	26x47x69 (66x119x175)
Weight	lb (kg)	397 (180)



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 quiet, totally maintenance-free and suitable for continuous duty operations.

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



FILTER 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 the state of the filter and detect possible clogging, warning the operator that the filter must be cleaned.



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.

OPTIONALS

- ✓ CERTIFIED HEPA CLASS H14 (99.995% @ 0.18 MICRON)
- ✓ PARTIAL OR FULL STAINLESS STEEL FRAME
- ✓ MORE POWER SOURCES AVAILABLE UPON REQUEST
- ✓ OTHER CERTIFICATIONS AVAILABLE UPON REQUEST
- ✓ PN PNEUMATIC FILTER CLEANING SYSTEM