



DM3 EL ACD LP - ACD



BUILDING AND CONSTRUCTION



SURFACE PREPARATION



- ✓ Largest surface filter in its category
- ✓ Integrated filter cleaning system
- ✓ Complete steel construction
- ✓ Compact and mobile
- ✓ Full customization for specific needs
- ✓ Disposable bags for hazardous dusts safe disposal
- ✓ Easy to clean and to maintain
- ✓ Adjustable height to facilitate transport on vehicles
- ✓ ACD classification for vacuuming of combustible dust in non-classified areas
- ✓ Three powerful by-pass motors with independent cooling



SUCTION UNIT

Voltage	V - Hz	230 - 50/60 1~
Power	kW	3,45
Max water lift	mmH ₂ O	2500
Max air flow	m ³ /h	540
Suction inlet	mm	80
Noise level (EN ISO 3744)	dB(A)	74
Use zone		Ordinary location
EX Category		CE ACD



FILTER UNIT

Filter Type		Star
Surface - Diameter	cm ² -mm	30.000-500
Material - Efficiency	IEC 60335-2-69	Polyester - ANT M
Additional standard filter		HEPA



COLLECTION UNIT

Capacity	mt	20
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VOLUME

Dimensions	cm	54x69x134h
Weight	kg	55



SUCTION UNIT

The suction is provided by two by-pass motors, using carbon brushes, operated by independent switches and placed inside a sturdy steel casing, filled with soundproofing material.



FILTER UNIT

The large surface star filter, located inside the filter stainless steel 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.

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 in the environment. A HEPA filter is included as standard (99,995% on 0,18 micron, class H) which holds the finest dusts and guarantees the cleanliness of the leaving air.



COLLECTION UNIT

The vacuumed material is discharged inside a 20 mt Endless Bag; when the extremity of the bag is full, the operator can seal and dispose that part of the bag in total security, without coming in contact with dusts and spreading them in the environment