Mod. D/M3

INDUSTRIAL VACUUM CLEANER FOR DUST, LIQUID AND SOLID MATERIAL

MODEL		DM3
Tension	Volt HZ	230 (opt. 110) single phase 50-60
By-pass motors	N.	3
Power	KW HP	3,4 4,6
Max. Vacuum rate*	mm.H_2O	2.500
Max. Air flow rate**	M^3/h	540
Filter surface (pocket filter)	Cm^2	20.000 / 30.000
Filter efficiency	CAT (BIA) / micron	L / G 3
Air load on filter	M^3/M^2/h	270 / 180
Bin collection capacity	Lt.	75 (opt. 100)
Suction inlet	∅	80
Noise level	dB(A)	78
Isolation	CL	1
Dimensions	cm.	62 x 62
Height	cm.	160
Weight	Kg.	80

***** Measured with fully closed suction inlet

****** Measured with fully open suction inlet

Suction unit

The suction is provided by **three by-pass motors**, using carbon brushes, operated by independent switches and placed inside a **sturdy steel casing** . The motor head is filled with **noise reducing material**, in order to **limit as much as possible the level of noise**, and designed in order to **convey the exhaust air towards the ground**, so as not to bother the user and not to raise possible dust in the neighbouring area. The control board includes the **three independent switches** and a **vacuum indicator with warning lght**, useful to **detect possible clogging of the filter**. Two handles placed on the sides enable an **easy lifting and removal** of the motor head, for possible inspection or replacement of the underlying filter.

Filter unit

The filter is placed and protected inside the steel filter chamber; the **filter is made of polyester**, tailored with **pockets in order to increase the filter surface (20.000 cm^2)**, and has a **high filtration efficiency (3 micron)**. A **manual filter shaker** enables the user to **clean the filter efficiently**, by a vertical shaking movement, so as to detach most of the dust and **maintain the filter clean, in order to increase its life and maintain the suction performance** of the machine. The frontal **aluminium die-cast suction inlet** (Ø80 mm. diameter), placed below the filter, makes it **possible to vacuum at the same time dust, solid and liquid material** (the latter only within the capacity of the container), with **no need to change or take out the filter**

Collection unit

The vacuumed material is placed inside a **drop-down bin mounted on wheels** (75 litres capacity, optional 100 lt.), which makes it possible to **dispose easily and safely of the sucked material**, if need be collecting it directly into a plastic bag.

The vacuum is mounted on **a sturdy steel chassis** with two pivoting wheels, one of which with brakes, and includes a basket for accessories; **all metal parts of the vacuum are epoxy painted.**

Options*

Application	Code	Description
Dust in big quantities	ELF	Extra large surface pocket filter (30.000 cm^2)
Fine dust in big quantities	ELF /C	Extra large surface pocket filter (30.000 cm^2) with 1 micron efficiency, with TÜV conformità certificate for the suction of dust classified as “M” (fine dust)
Sticky dust and material	PTFE	PTFE treated pocket filter (reduces the adherence of the dust on the filter)
High temperature dust and material	NOMEX	Nomex flame proof filter, resistano up to 250° C temperatures
Dust and material subject to accumulate static electricity	ANT	Antistatic pocket filter
Fine dust subject to accumulate static electricity	ANT/C	Antistatic pocket filter, 1 micron efficiency
Very fine dust	A	Absolute filter (BIA certified) with 99,999% efficiency on dust as small as 0,3 micron
Fine dust (certificate TÜV)	TUV M	1 micron pocket filter, TÜV certificate for the suction of fine dust of class “M”
Very fine and / or toxic dust (certificate TÜV)	TUV H	1 micron pocket filter, absolute filter (BIA certified) with 99,999% efficiency on dust as small as 0,3 micron, TÜV certificate for the suction of very fine and toxic dust of class “H”.
Corrosive dust and material	X	Stainless steel container AISI304
Corrosive dust and material	XX	Stainless steel container and filter chamber AISI304

*** Different combinations of the above options are possible (e.g. ACX , vacuum with Absolute filter, 1 micron pocket filter and stainless steel container)**