



Mod. D/M3



INDUSTRIAL VACUUM CLEANER FOR DUST, LIQUID AND SOLID MATERIAL



MODEL		DM3
Voltage	Volt	230 (opt. 110)
	HZ	single phase 50-60
By-pass motors	N.	3
Power	KW	3,4
	HP	4,6
Max. Vacuum rate*	mm.H ₂ O	2.500
Max. Air flow rate**	M ³ /h	540
Filter surface (star filter)	Cm ²	20.000
Filter efficiency	CAT (BIA) /	L
	micron	> 3
Air load on filter	M ³ /M ² /h	270
Bin collection capacity	Lt.	75 (opt. 100)
Suction inlet	Ø	80
Noise level	dB(A)	76
Isolation	CL	1
Dimensions	cm.	80 x 65
Height	cm.	146
Weight	Kg.	70

* 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 light**, 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 **stars in order to increase the filter surface (20.000 cm²)**, 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**.