



D/M40 SGA INDUSTRIAL VACUUM CLEANER FOR DUST AND SOLID MATERIAL



MODEL		DM 40 SGA
Voltage	Volt HZ	230 (110) / 50-60
By-pass motors	N.	3
Power	KW HP	3,45 4,5
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) / micron	L >3
Air load on filter	M ³ /M ² /h	270
Capacity	Lt.	50
Suction inlet	∅	80
Noise level	dB(A)	76
Isolation	CL	1
Dimensions	cm.	58 x 60
Height	cm.	125
Weight	Kg.	65

* 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**, 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 **polyester star filter provides a filter surface of 20.000 cm²**, and high **filtration efficiency (class L, 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 (∅80 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** (50 litres capacity), 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; **all metal parts of the vacuum are epoxy painted**.



Options*

Application	Code	Description
Dust in big quantities	ELF	Extra large surface star filter (30.000 cm ²)
Sticky dust and material	PTFE	PTFE treated star 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 star filter
Fine dust subject to accumulate static electricity	ANT/C	Antistatic star filter, 1 micron efficiency
Very fine dust	A	Absolute filter (BIA certified) with efficiency 99,995% particle size 0,18 µm standard EN 1822
Fine dust	C (CLASS M)	Extra large surface 1 micron star filter, for the suction of fine dust of class "M"
Very fine and / or toxic dust	A/C	1 micron star filter, absolute filter (BIA certified) with efficiency 99,995% particle size 0,18 µm standard EN 1822
Corrosive dust and material	X	Stainless steel container AISI304
Corrosive dust and material	XX	Stainless steel container and filter chamber AISI304
Dust and material subject to accumulate static electricity	MT	Total electrical grounding of all metal parts

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