

**MISTRAL 352 DS
INDUSTRIAL VACUUM CLEANER FOR DUST AND SOLID
MATERIAL**

Voltage	Volts Hertz	230 (110) 50/60
By-pass motors	N.	2 (single phase)
Power	KW HP	2,2 2,9
Max Vacuum Rate*	mm.H2O	2200
Max Air Flow**	M3/h	360
Filter Surface	cm2	20000
Filter efficiency	CAT BIA Micron	L/G >3
Air Load on filter	M3/M2/h	180
Capacity	Lt.	35
Suction inlet	Ø mm	80
Noise level	dB	72
Dimensions	cm	50x60
Height	cm	127
Weight	Kg	40



Measured with fully closed suction inlet

** Measured with fully open suction inlet

Suction Unit

The suction is provided by two by-pass motors, using carbon brushes, operated by independent switches and placed inside a sturdy and noise reducing plastic 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 two independent switches, a vacuum indicator, a light detector for clogging of the filter; a power socket (max 600 watt) for electrical hand-tools (lamps, drills, sanders etc.) makes it possible to use of light electrical tools. 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 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 (35 litres capacity), operated by user friendly handles placed at operator's height, 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
Sticky dust and material	TEFLON	Teflon 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
Very fine dust	A	Absolute filter (BIA certified) with 99,999% efficiency on dust as small as 0,3 micron
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 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".
Fine dust (certificate TÜV)	TUV M	1 micron pocket filter, pressure relief valve, TÜV certificate for the suction of fine dust of class "M"
Corrosive dust and material	X	Stainless steel container AISI304
Corrosive dust and material	XX	Stainless steel container and filter chamber AISI304
Use of electrical tools with synchronic auto ON/OFF switch	AA2720	Electronic board placed inside the motor-head, enabling synchronic ON/OFF switch of the vacuum with tools such as orbital sanders

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