



# MISTRAL Three-Phase 3533

## INDUSTRIAL VACUUM CLEANER FOR DUST AND SOLID MATERIAL



MODEL		<b>3533</b>
Tension	Volt	230/400/50
Power	KW	2,2
	HP	3
Depression	mm.H <sub>2</sub> O	3000
Air flow	M <sup>3</sup> /h	300
Filter		Poliestere
Filter surface	Cm <sup>2</sup>	20.000
Filter category	Cat/	L/G
	Micron	>3
Air load on filter	M <sup>3</sup> /m <sup>2</sup> /h	150
Capacity	Lt.	35
Suction inlet	Ø mm.	80
Noise level	Db(A)	74
Protection	IP	55
Insulation	CL	F
Dimensions	cm.	98 x 55
Height	cm.	115
Weight	Kg.	85

\* Measured with fully closed suction inlet

\*\* Measured with fully open suction inlet

### Suction unit

The suction unit is a turbine motor of the “**side channel blower**” type: the fan being directly shafted on the motor shaft, this type of motor requires **no transmission system** and provides a performance of 2.850 RPM. It is thus completely **maintenance free, ideal for non-stop and heavy duty performance, very silent and resistant**. The motor matches the IP 55 protection level. The control board includes the **motor switch**, with safety **cut off**, a **vacuum indicator**. A **diffusor filter** reduces the speed and noise of the air on the exhaust.

### 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<sup>2</sup>)**, 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	PTFE	PTFE treated pocket filter (reduces the adherence of the dust on the filter)
Fine dust subject	C	Polyester pocket filter with 1 micron efficiency
High temperature dust and material	NOMEX	Nomex flame proof filter, resistance 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
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)**