MISTRAL Three-Phase 3533

INDUSTRIAL VACUUM CLEANER FOR DUST AND SOLID MATERIAL

MODEL		3533
Tension	Volt HZ	230/400 3~ 50/60
Power	KW HP	2,2 3
Depression max.		3000
Depression (max. on continuous duty)	mm.H_2O	2200
Air flow max.	M^3/h	300
Filter		Polyester
Filter surface	Cm^2	20.000
Filter category	Cat/ Micron	L >3
Air load on filter	$M^3/m^2/h$	150
Capacity	Lt.	35
Suction inlet	∅ mm.	80
Noise level	dB(A)	68
Protection	IP	55
Dimensions	cm.	98 x 55
Height	cm.	115
Weight	Kg.	85

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 control board includes the **motor switch,** with safety **cut off,** a **vacuum indicator**. A **diffuser 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 **polyester star filter provides a filter surface of 20.000 cm^2**, 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** (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 star filter (reduces the adherence of the dust on the filter)
Fine dust subject	C	Polyester star filter with 1 micron efficiency
High temperature dust and material	NOMEX	Nomex flame proof filter, resistance up to 250° C
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
Very fine and / or toxic dust	A/C (CLASS H)	1 micron star filter, absolute filter (BIA certified) with efficiency 99,995% particle size 0,18 µm standard EN 1822, 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 star filter and stainless steel container)**