



MISTRAL Three-Phase 3534

INDUSTRIAL VACUUM CLEANER FOR DUST AND SOLID MATERIAL



| | | |
|---------------------------|-----------------------------------|-------------|
| MODEL | | 3534 |
| Tension | Volt | 230/400/50 |
| Power | KW HP | 3 4 |
| Depression | mm.H ₂ O | 3000 |
| Air flow | M ³ /h | 350 |
| Filter | | Poliestere |
| Filter surface | Cm ² | 20.000 |
| Filter category | Cat/ Micron | G |
| Air load on filter | M ³ /m ² /h | 175 |
| 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 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 | 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 |
| Fine dust (certificate TÜV) | TUV M | 1 micron pocket filter, pressure relief valve, TÜV certificate for the suction of fine dust of class "M" |
| Fine explosive dust (certificate TÜV) | TUV M B1 | 1 micron pocket filter, pressure relief valve, electrical grounding, TÜV certificate for the suction of fine dust of class "M" and explosive dust B1 – Zone 22 |
| Very fine and / or toxic dust (certificate TÜV) | TUV H | 1 micron pocket filter, pressure relief valve, 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". |
| Very fine and / or toxic dust (certificate TÜV) | TUV H/B1 | 1 micron pocket filter, pressure relief valve, electrical grounding, 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" and explosive dust B1 Zone 22 |
| 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)**