



## Mod. D/M35SGA



### INDUSTRIAL VACUUM CLEANER FOR DUST AND SOLID MATERIAL



| MODEL                          |                                   | DM 35 SGA            |
|--------------------------------|-----------------------------------|----------------------|
| Tension                        | Volt<br>HZ                        | 230 (110) /<br>50-60 |
| By-pass motors                 | N.                                | 2 (single<br>phase)  |
| Power                          | KW<br>HP                          | 2,3<br>2,8           |
| Max. Vacuum rate*              | mm.H <sub>2</sub> O               | 2.500                |
| Max. Air flow rate**           | M <sup>3</sup> /h                 | 340                  |
| Filter surface (pocket filter) | Cm <sup>2</sup>                   | 20.000               |
| Filter efficiency              | CAT (BIA) /<br>micron             | L / G<br>3           |
| Air load on filter             | M <sup>3</sup> /M <sup>2</sup> /h | 170                  |
| Capacity                       | Lt.                               | 50                   |
| Suction inlet                  | ∅                                 | 80                   |
| Noise level                    | dB(A)                             | 78                   |
| 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 **two 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 **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 (∅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 pocket filter ( 30.000 cm <sup>2</sup> )  |
| Fine dust in big quantities                                | ELF /C | Extra large surface pocket filter (30.000 cm <sup>2</sup> ) with 1 micron efficiency, with TÜV conformità certificate for the suction of dust classified as "M" (fine dust)               |
| Sticky dust and material                                   | PTFE   | PTFE 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   |
| 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  |
| Fine dust (certificate TÜV)                                | TUV M  | 1 micron pocket filter, TÜV certificate for the suction of fine dust of class "M"   |
| 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". |
| 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)**