

3x Mobile Industrial Vaccum Machines

Technical Data Sheet

Voltage	Volts HZ	400 50/60
Power	KW	7,5
Max Vacuum rate	mmH2O	4000
Vacuum rate (continuous duty)	mmH2O	2700
Air flow	M3/h	700
Filter type	Pocket	Polyester
Filter surface	Cm2	50.000
Filter cat.	CAT (BIA) Micron	L 3
Capacity	L	100
Tangential suction inlet	□	80
Noise level	Db(A)	76
Protection	IP	65
Insulation	CI	F
Dimensions	Cm	67 x 125 x 175 h
Weight	Kg	180

Suction Unit

The suction is provided by a suction unit of the side channel blower type, manufacture with above specifications, with direct coupling between the fan and the motor shaft and no transmission system. It is thus completely maintenance free, fit for round-the-clock 24 hours duty, very silent and provides outstanding suction performances; a safety thermic switch cuts off the motor in case of overheating. The control board is placed inside a metal casing, in a safe position at the back, and include two independent ON and OFF switches (protection IP65), a safety emergency stop button and a soft start device. A safety absolute filter, placed between the motor and the main filter, protects the motor from contact with dust in case of dust accidentally passing through the main filter; a vacuum indicator enables constant checking of the suction performance, and detecting possible clogging of the filter. A pressure relief valve protects the motor from overheating in case of clogging of the filter or continuous duty at high depression.

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 (50.000 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 tangential 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. A cyclone welded inside the filter chamber conveys most of the dust directly in the container, and protects the filter from cutting or tearing.

Collection unit

The vacuumed material is placed inside a drop-down bin mounted on wheels (100 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.