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ПРОМЫШЛЕННЫЕ ПЫЛЕСОСЫ

Технические характеристики на М 50 HV, М 50 HV PN, М 50 PN



This industrial vacuum cleaner is suitable for any industrial application : workshop, laboratory, engineering industry, cement factory, carpentry or craft workshop. Do you need to change accessory during vacuuming? No problem, the "M" series has an integrated accessory holder that allows you to always have the right accessory with you.

The M50 vacuum cleaner on wheels is available in two versions with two different side channel turbines from 4 and 4.3 kW.

This feature allows you to greatly increase the vacuum generated by keeping the size small. The M50 HV vacuum cleaner is thus equipped with 4.3 kW of power, combined with a maximum depression of 5.100mm/H₂O and dimensions contained in cm 120x65x180h.

The HV model is particularly suitable for suctioning grit and heavy solids, thanks to the double stage turbine.

The configuration for discharge on grid or container makes the vacuum cleaner the preferred tool for sandblasting operators to remove grit residues from workpieces and the working environment. Equipped with a container with a capacity of 100 liters easily detachable, built with steel and extremely robust plastics, this trolley-mounted aspirator withstands time and heavier applications.

Suction unit

The suction unit is equipped with an aluminium cast suction unit of the side channel blower type, in which the impeller is fixed directly on the crankshaft, and without transmission systems: this reduces the wear of the components and the consequent maintenance needs. The turbine is thus particularly suitable for continuous service (even 24 hours a day), and develops a very high depression, higher than transmission systems of similar power.

The control panel consists of a stop control panel containing a circuit breaker. The electrical panel is integrated into the vacuum cleaner. A vacuum gauge allows to constantly check the level of depression and saturation of the filter, and to detect any anomalies in a timely manner. A double silencer reduces noise and dampens the impact of the outgoing air.

Filter unit

Polyester filter Cat. "L" with 20.000 cm² surface and manual shaker system. 3 micron filtration efficiency (German BIA certificate).

It is not necessary to remove the motor head and the filter from the vacuum cleaner to empty the collection container.

The handy manual lever shaker helps to maintain high vacuum performance even in continuous service or in use in centralized systems. The front suction system with cast aluminium Ø80 inlet located below the filter allows to simultaneously vacuum powders, solids and liquids (within the capacity of the container) without the need to replace or remove the filter.

Collection unit

The vacuumed material is deposited in a stainless steel container mounted on wheels (capacity 100 liters), which allows to dispose quickly and without getting dirty the aspirated material, with the possibility of bagging.

Also available in atex certified version.

Available model in PN version with an effective filtration system consisting of large filter surface cartridges with innovative automatic pneumatic cleaning system. Particularly suitable for treating very fine dust and in large quantities that could clog the common filtration systems at an early stage.

Datasheet

Description	Unit	M 50 HV - Heavy Duty industrial three phase vacuum cleaner		
			M 50 PN	M 50 HV PN
Voltage	V - Hz	400 - 50	400 - 50 3~	400 - 50 3~
Power	kW	4,3	4	4,3
Electrical protection	IP	55	55	55
Max waterlift	mmH2O	5.100	3200	5.100
Continuous water lift	mmH2O	3.600	2700	3.600
Max air flow	m ³ /h	320	420	320
Suction inlet	mm	80	80	80
Filter Type		Star	Cartridge	Cartridge
Surface - Diameter	cm ² -mm	20.000	80000	80.000
Cleaning system		Manual	Automatic PN	Automatic PN
Collection tank		Steel	Steel	Steel
Discharge system		Roll-out container	Roll-out container	Roll-out container
Capacity	lt.	100	100	100
Dimensions	cm	120 x 65 x 180h	119x65x200	119x65x200h
Noise level (EN ISO 3744)	dB(A)		74	75
Material - Efficiency	IEC 60335-2-69		Polyester - ANT M	Polyester - ANT M



SUCTION UNIT

Suction is developed by a powerful side channel blower with direct coupling between the fan and the motor and no transmission system, making it completely maintenance free and fit for continuous duty.



FILTER UNIT

The filter is cleaned mechanically by means of a manual filter shaking lever which shakes the filter vertically, ensuring safe and effective cleaning. This contributes to maintain high suction efficiency and avoids the spreading of dust in the environment.



COLLECTION UNIT

The steel container has an easily detachable container for quick disposal of suctioned material.



OPTIONALS

- ✓ Nomex heat resistant filter up to 250°
- ✓ Absolute Hepa filter H14
- ✓ PTFE coated class M filter
- ✓ Stainless steel collection tank
- ✓ Earth grounding
- ✓ Cyclon for filter protection
- ✓ Pressure relief valve

Automatic pneumatic filter cleaning system, 3 antistatic class M cartridges, surface 80.000 cm²

Additional silencer

Fork lift intakes

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