

# PUMA 10



## TECHNICAL DATA

	Units	PUMA 10
<b>Suction type</b>		Side channel blower
<b>Power</b>	kW-HP	7,5 – 10
<b>Voltage   Frequency</b>	V Hz	400   50/60
<b>IP   Insulation class</b>		55   F
<b>Maximum vacuum</b>	mBar	310
<b>Vacuum in continuous run</b>	mBar	270
<b>Maximum air flow</b>		730
<b>Relief valve</b>	m³/h	Included
<b>Conic cyclone</b>		Included
<b>Inlet</b>	Ø mm	100
<b>Noise level – (EN ISO 3744)</b>	dB(A)	74
<b>Bin capacity</b>	Lt	175
<b>Dimensions</b>	mm	850x1550
<b>Height</b>	mm	1980
<b>Weight</b>	Kg	310
<b>Primary filter</b>		
Type		Star filter
Surface area	cm²	45.000
(Class EN 60335-2-69)		M Class
Media		Polyester
Filter cleaning		Manual shaker
<b>SP filter cleaning – Optional</b>		
Surface area	cm²	120.000
(Class EN 60335-2-69)		IFA/BGIA M-PES AL
Media		Antistatic polyester
Filter cleaning		Reverse jet
<b>Absolute filter – Optional</b>		
Surface area	cm²	110.000
(Class - EN 1822)		H14
Media		Fiberglass



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# PUMA 10



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## SUCTION UNIT

The suction unit is a SIEMENS side channel blower with direct coupling between motor and impeller. The side channel blower is equipped with a safety valve to guarantee a totally safe continuous work, without any maintenance.



## SUCTION INLET

The suction inlet is specially designed to direct the collected material straight into the collection bin. The intake is tangential and welded to the chamber there is a sturdy metal cyclon. The friction with it reduces the speed of the material that falls down easily into the collection bin. This system increases the life of filter and it minimizes the risk of filter clogging.



## M CLASS FILTER

The filtration is guaranteed by a M polyester class filter. The star shape permits the passage of the air also when the filter is dirty. The textile of the filter is in M Class (BIA | En 60335-2-69). It means that all particles till 1 micron are stopped by the filter so as to protect the motors and the operator around the vacuum cleaner.



## COLLECTION BIN

The collected material is stocked inside a sturdy steel container. Behind the vacuum cleaner there is a metal handle that permits to drop down the bin. The bin can be easily moved away thanks to 4 pivoting industrial wheels. Each wheel is located on a reinforced support to guarantee the best stability during the movement, also when the container is full.

## AVAILABLE OPTIONAL

<b>ANT M</b>	Antistatic filter (M class EN 60335-2-69)
<b>HEPA 14</b>	Absolute filter (EN 1822-5)
<b>MTF</b>	Teflon filter (M class EN 60335-2-69)
<b>PTFE</b>	PTFE filter (M class EN 60335-2-69)
<b>PTFE ANT</b>	Antistatic PTFE filter (M class EN 60335-2-69)
<b>NOMEX</b>	250° Celsius resistant filter
<b>BX</b>	Stainless steel bin AISI 304
<b>GX</b>	Stainless steel bin and chamber
<b>FKL</b>	Forklift bracket
<b>GFR</b>	Lifting eyebolts
<b>RC</b>	24 VAC remote control
<b>GRD</b>	Grounding

## FILTER CLEANING SYSTEM AVAILABLE ON REQUEST



The SP Option is the best automatic filter cleaning system which uses compressed air at 6 bars to clean the cartridges. Thanks to its big surface and very high efficiency, it is possible to work also with huge quantities of fine dust. The filters are aluminated and antistatic, with BIA-M class filtration (EN 60335-2-69). The filter cleaning works when the vacuum cleaner is running.



The PSC system is a semiautomatic filter shaker. Inside the filter chamber there is a pneumatic piston which shakes the filter each time the operator pushes the activation button. As an option it is possible to install a PLC to have a complete automatic cycle.