

PUMA 15 P | 15 S



TECHNICAL DATA

PUMA	Units	15 P	15 S
Suction type		Side channel blower	
Power	kW-HP	11 – 15	11 – 15
Voltage Frequency	V Hz	400 50/60	400 50/60
IP Insulation class		55 F	55 F
Maximum vacuum	mBar	350	480
Vacuum in continuous run	mBar	250	440
Maximum air flow		1120	550
Relief valve	m³/h	Included	Included
Conic cyclone		Included	Included
Inlet	Ø mm	100	100
Noise level – (EN ISO 3744)	dB(A)	74	74
Bin capacity	Lt	175	175
Dimensions	mm	850x1550	850x1550
Height	mm	1980	1980
Weight	Kg	350	350
Primary filter			
Type		Star filter	
Surface area (Class EN 60335-2-69)	cm²	45.000	
Media		M Class	
Filter cleaning		Polyester	
SP filter cleaning – Optional		Manual shaker	
Surface area (Class EN 60335-2-69)	cm²	120.000	
Media		IFA/BGIA M-PES AL	
Filter cleaning		Antistatic polyester	
Absolute filter – Optional		Reverse jet	
Surface area (Class - EN 1822)	cm²	110.000	
Media		H14 Fiberglass	



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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

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

FILTER CLEANING SYSTEM AVAILABLE ON REQUEST



The SP Option is the best automatic filter cleaning system which uses compressed air at 6bars 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.