

HEAVY DUTY THREE-PHASE INDUSTRIAL VACUUM CLEANERS

# PUMA 18 P

## HIGH POWER INDUSTRIAL VACUUM CLEANER



**POWER**  
12,5 kW - 18 HP



**APPLICATION**  
Powders, solids and  
shavings



**CAPACITY**  
175Lt

## FEATURES

- High performance even in continuous use
- Multiple construction options available
- Ability to vacuum dust, solids and liquids
- Can be integrated on centralized suction systems

## HIGHLIGHTS



### SUCTION UNIT

The suction unit is a side channel blower with direct coupling between motor and impeller. The turbine is equipped with a safety valve to ensure continuous, maintenance-free work. A metal silencer is included as standard in the turbine to ensure a low noise level.



### FILTER UNIT

The tangential inlet facilitates the cyclonic effect to deposit the collected material in the container. Filtration is ensured by a polyester star filter in class M (filtering efficiency 1 micron) with high filtering surface area, which guarantees air passage even with a dirty filter.



### FILTER CLEANING SYSTEM

An ergonomic manual filter shaker allows the filter to be cleaned easily and quickly, removing dust and debris from the surface of the filter.



### COLLECTION UNIT

The material is collected inside a coated bin complete with a handle that allows it to be released. Thanks to the 4 sturdy pivoting wheels, the bin can be moved with ease and the collected material can then be disposed of.

## TECHNICAL DATA

### MOTOR

Typologies	Side channel blower
Power	12,5 kW - 18 HP
Frequency	50/60 Hz
Voltage	400 V
Vacuum in continuous run	290 mBar
Maximum air flow	1120 m3/h
Insulation class	55   F IP
Noise level	74 dB(A)
Remote control	Free connector available

### MACHINE

Suction inlet	100 Ø mm
Collection system	Steel container
Capacity	175 Lt
Dimensions	850 x 1550 mm
Height	1980 mm
Weight	355 Kg
Safety valve	Pressure relief valve
Forklift support	Included

### FILTRATION

Primary filter type	Star
Filter surface	45000 cm2
EN 60335-2-69 filtration class	M
Media	Polyester
Filter Cleaning System	Manual

## FEATURES



### VACUUM GAUGE

Vacuum gauge for indication of filter clogged or in need of replacement



### POWER SUPPLY CABLE



### PLUG

4-pole industrial plug



### WHEEL WITH BRAKE

Non-marking wheel with integrated brake



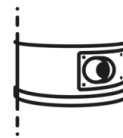
### WHEELS

Non-marking pivoting wheels



### STEEL CONSTRUCTION

Rugged industrial coated steel construction



### CYCLONIC EFFECT

Tangential inlet and cyclone installed



### PRV

Pressure relief valve installed



### ELECTRICAL PANEL

Electrical panel, implementable with additional functions

## OPTIONS

### AVAILABLE FILTER CLEANING SYSTEMS



#### SP

Automatic reverse jet cleaning system  
Antistatic M class filter (EN 60335-2-69), 4  
Polyester filter cartridges, 12 m<sup>2</sup> filter surface



#### SE

Semiautomatic electrical filter shaker



#### PSC

Semiautomatic pneumatic filter shaker



#### COM

Compressor on board  
Compressor fitted on the back cover

### AVAILABLE FILTER MEDIA



#### HEPA 14

Absolute filter (EN 1822)  
110.000 cm<sup>2</sup> filter surface  
H14 Class Filter (EN 1822)  
Glass fiber



#### PTFE ANT

Antistatic PTFE filter (M class EN 60335-2-69)



#### PTFE

PTFE Filter (M class EN 60335-2-69)



#### NOMEX

250° Celsius resistant filter



#### MTF

Teflon filter (M class EN 60335-2-69)



#### ANT M

Antistatic filter (M class EN 60335-2-69)

## STRUCTURE AND OPTIONS

**60<sup>Hz</sup>**

**60HZ**  
Available in 60Hz version



**3 YEARS WARRANTY**  
Purchasing the replacement filter along with the vacuum



**ATEX CERTIFICATION**



**CONTAINER EMPTYING KIT**  
System for easy container emptying using forklift lifting.



**PANEL VENT FOR DIRECTIONAL EXPLOSION**  
An explosion vent designed to break at a specific pressure and release the explosive pressure in a safe area.  
Panel vent for explosion



**FLAMELESS VENT**  
A valve that contains the flame and the overpressure generated by a possible explosion.



**GRD**  
Grounding



**GFR**  
Lifting eyebolts



**FKL**  
Forklift bracket



**BX**  
Stainless steel bin AISI 304



**GX**  
Stainless steel bin and chamber AISI 304

## ACCESSORIES



**P12348**  
**DRY KIT Ø 70MM**  
Kit containing specific accessories for 70 mm diameter dust and solids vacuuming