HEAVY DUTY THREE-PHASE INDUSTRIAL VACUUM CLEANERS

PUMA 18 S

HIGH POWER INDUSTRIAL VACUUM CLEANER



POWER
12,5 kW - 18 HP

APPLICATION
Powders, solids and shavings

CAPACITY
175 Lt

FEATURES

- High performance even in continuous use
- Ability to vacuum dust, solids and liquids
- Multiple construction options available
- 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	540 mBar
Maximum air flow	720 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	335 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



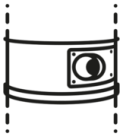
WHEEL WITH BRAKE
Non-marking wheel with integrated brake



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 m² 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 cm² filter surface
H14 Class Filter (EN 1822)
Glass fiber



PTFE ANT
Antistatlc 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

60HZ

60HZ
Available in 60Hz version



3 YEARS WARRANTY
Purchasing the replacement filter along with the vacuum

ATEX CERTIFICATION



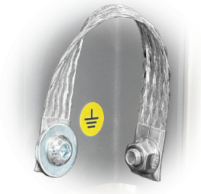
CONTAINER TILTABLE KIT
System for easy container emptying using forklift lifting.



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
Large-diameter configuration for removing bulky debris and heavy dust in industrial settings. - 5-meter reinforced polyurethane hose - 2 ...