HEAVY DUTY THREE-PHASE INDUSTRIAL VACUUM CLEANERS

PUMA 30 S SP

POWERFUL INDUSTRIAL VACUUM CLEANER WITH AUTOMATIC FILTER CLEANING

POWER
20 kW - 28 HP

APPLICATION
Fine, dry and clogging powders

CAPACITY
175 Lt

FEATURES

- Maximum performance even in continuous use
- Possibility of extracting dust and solids in heavy-duty applications
- Multiple construction options available
- Can be integrated into centralized vacuum systems

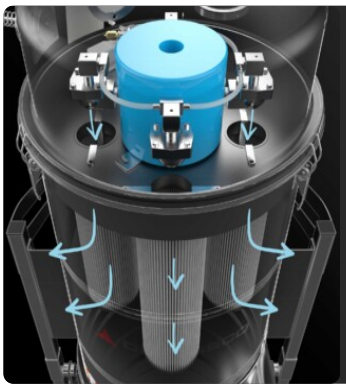
HIGHLIGHTS

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

Filtration is ensured by polyester cartridge filters in class M (filtration efficiency 1 micron) with high filtering surface area, which guarantees the passage of air even with dirty filter.



SP FILTER CLEANING SYSTEM

Automatic filter cleaning system in reverse flow of air at 6 bar (compressed air not supplied as standard). Each filter is cleaned at regular, alternately adjustable intervals without interrupting suction. Ideal for fine and difficult dust.

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	20 kW - 28 HP
Frequency	50/60 Hz
Voltage	400 V
Vacuum in continuous run	460 mBar
Maximum air flow	1100 m3/h
Insulation class	55 | F IP
Noise level	78 dB(A)
Remote control	Free connector available

MACHINE

Suction inlet	130 Ø mm
Collection system	Steel container
Capacity	175 Lt
Dimensions	1050 x 1950 mm
Height	2300 mm
Weight	620 Kg
Safety valve	Pressure relief valve
Forklift support	Included

FILTRATION

Primary filter type	4x Cartridges
Filter surface	180000 cm2
EN 60335-2-69 filtration class	M
Media	Antistatic polyester
Filter Cleaning System	Automatic SP

FEATURES

ELECTRICAL PANEL
Electrical panel, implementable with additional functions

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

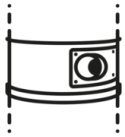
POWER SUPPLY CABLE

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

SE
Semiautomatic electrical filter shaker

OPTIONS

AVAILABLE FILTER CLEANING SYSTEMS

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
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)

PTFE ANT
AntistatIc PTFE 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

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

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

GX
Stainless steel bin and chamber AISI 304

BX
Stainless steel bin AISI 304

24 VOLT
ON OFF

RC
Remote control 24V ON/OFF

ACCESSORIES

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