HEAVY DUTY THREE-PHASE INDUSTRIAL VACUUM CLEANERS

PUMA 30 S ACD

HIGH-PERFORMANCE INDUSTRIAL VACUUM FOR COMBUSTIBLE DUST



POWER
21,3 kW - 29 HP

APPLICATION
Combustible dusts

CAPACITY
175 Lt

FEATURES

- High performance even during continuous use
- ACD classified for combustible dust extraction in non-Atex classified areas
- Multiple construction options available
- Ideal for applications involving large volumes of material and in heavy industry

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.



DESIGNED FOR COMBUSTIBLE DUST

Ideal for collecting fine and potentially combustible dust in non-ATEX classified areas. The ACD vacuum is equipped with antistatic filters and full grounding to ensure safe and reliable operation.



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	21,3 kW - 29 HP
Frequency	50/60 Hz
Voltage	400 V
Vacuum in continuous run	445 mBar
Maximum air flow	1110 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	Star
Filter surface	110000 cm2
EN 60335-2-69 filtration class	M
Media	Antistatic polyester
Filter Cleaning System	SE Electric filter shaker

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



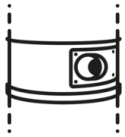
WHEEL WITH BRAKE
Non-marking wheel with integrated brake



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



ANTISTATIC FILTRATION
Antistatic filtration to discharge static energy



GRD
Grounding

OPTIONS

AVAILABLE FILTER CLEANING SYSTEMS



SP
Automatic reverse jet cleaning system
Antistatic M class filter (EN 60335-2-69), 4
Polyester filter cartridges, 18 m² filter surface



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

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

ACCESSORIES



P14899
ANTISTATIC KIT Ø 70MM
Maximum efficiency and antistatic safety for removing large volumes of conductive material. - 5-meter antistatic PUR hose - 2x antistati ...



P01034
TILITING KIT FOR DUST BIN – BRACKET Ø 570MM
Lifting bracket with forklift for 570 mm diameter container fitted with lifting ring. This way the vacuum's container can be lifted and tilt ...