

HEAVY DUTY THREE-PHASE INDUSTRIAL VACUUM CLEANERS

PUMA 35 S ACD

HIGH-PERFORMANCE INDUSTRIAL VACUUM FOR COMBUSTIBLE DUST



POWER
25 kW - 34 HP



APPLICATION
Combustible dusts



CAPACITY
175 Lt

FEATURES

- High performance even during continuous use
- Multiple construction options available
- ACD classified for combustible dust extraction in non-Atex classified areas
- 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	25 kW - 34 HP
Frequency	50/60 Hz
Voltage	400 V
Vacuum in continuous run	445 mBar
Maximum air flow	1130 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	650 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



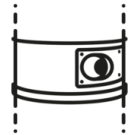
WHEELS

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

60^{Hz}

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

Complete kit of antistatic accessories for vacuuming dust and solids with a diameter of 70 mm.



P01034

TILTING 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 ...