

HEAVY DUTY THREE-PHASE INDUSTRIAL VACUUM CLEANERS

PUMA 35 P 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	220 mBar
Maximum air flow	2100 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	654 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**

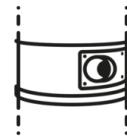
Non-marking wheel with integrated brake

**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

TLITING 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 tilted ...