

HEAVY DUTY THREE-PHASE INDUSTRIAL VACUUM CLEANERS

PUMA 18 S ACD

HIGH-POWER INDUSTRIAL VACUUM FOR COMBUSTIBLE DUST



POWER
15 kW - 20 HP



APPLICATION
Combustible dusts



CAPACITY
175 Lt

FEATURES

- ACD classified for combustible dust extraction in non-Atex classified areas
- Can also be used in heavy-duty and continuous 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

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	15 kW - 20 HP
Frequency	50/60 Hz
Voltage	400 V
Vacuum in continuous run	530 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 cm ²
EN 60335-2-69 filtration class	M
Media	Antistatic 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**

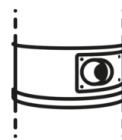
Non-marking pivoting wheels

**STEEL CONSTRUCTION**

Rugged industrial coated steel construction

**ANTISTATIC FILTRATION**

Antistatic filtration to discharge static energy

**CYCLONIC EFFECT**

Tangential inlet and cyclone installed

**PRV**

Pressure relief valve installed

**ELECTRICAL PANEL**

Electrical panel, implementable with additional functions

**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, 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

STRUCTURE AND OPTIONS

60 Hz

60Hz

Available in 60Hz version



3 YEARS WARRANTY

Purchasing the replacement filter along with the vacuum



ATEX CERTIFICATION



CONTAINER EMPTYING KIT

System for easy container emptying using forklift lifting.



GFR

Lifting eyebolts



FKL

Forklift bracket



BX

Stainless steel bin AISI 304



GX

Stainless steel bin and chamber AISI 304

ACCESSORIES



P14899

ANTISTATIC KIT Ø 70MM

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