

### HEAVY DUTY THREE-PHASE INDUSTRIAL VACUUM CLEANERS

# PUMA 35 S HIGH PERFORMANCE INDUSTRIAL VACUUM





POWER 25 kW - 34 HP



APPLICATION

Powders, solids and shavings



CAPACITY 175 Lt



### **FEATURES**

- Maximum performance even in continuous use
- Multiple construction options available
- Ability to vacuum dust and solids in heavy-duty applications
- Can be integrated on centralized suction 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.



#### SE

System with an automatic electric filter shaker for effective cleaning of the main filter, ensuring the vacuum's performance efficiency.



### **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	М
Media	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

 $Semiautomatic\ electrical\ filter\ shaker$ 



### **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



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

60<sup>®</sup>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



#### ВХ

Stainless steel bin AISI 304

### **ACCESSORIES**



### P12348

#### DRY KIT Ø 70MM

Kit containing specific accessories for 70 mm diameter dust and solids vacuuming