HEAVY DUTY THREE-PHASE INDUSTRIAL VACUUM CLEANERS

PUMA 20

HIGH POWER INDUSTRIAL VACUUM CLEANER

POWER
15 kW - 20 HP

APPLICATION
Powders, solids and shavings

CAPACITY
175 Lt

FEATURES

- High performance even in continuous use
- Ability to vacuum dust, solids and liquids
- Multiple construction options available
- 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.

FILTER CLEANING SYSTEM

An ergonomic manual filter shaker allows the filter to be cleaned easily and quickly, removing dust and debris from the surface of the filter.

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	350 mBar
Maximum air flow	950 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	350 Kg
Safety valve	Pressure relief valve
Forklift support	Included

FILTRATION

Primary filter type	Star
Filter surface	45000 cm2
EN 60335-2-69 filtration class	M
Media	Polyester
Filter Cleaning System	Manual

FEATURES

VACUUM GAUGE
Vacuum gauge for indication of filter clogged or in need of replacement

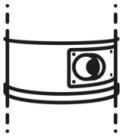
POWER SUPPLY CABLE

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



CYCLONIC EFFECT
Tangential inlet and cyclone installed

PRV
Pressure relief valve installed

ELECTRICAL PANEL
Electrical panel, implementable with additional functions

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

PTFE ANT
Antistatlc PTFE filter (M class EN 60335-2-69)

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)

STRUCTURE AND OPTIONS

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.

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

FLAMELESS VENT
A valve that contains the flame and the overpressure generated by a possible explosion.

GRD
Grounding

GFR
Lifting eyebolts

FKL
Forklift bracket

BX
Stainless steel bin AISI 304

GX
Stainless steel bin and chamber AISI 304

ACCESSORIES

P12348
DRY KIT Ø 70MM
Kit containing specific accessories for 70 mm diameter dust and solids vacuuming