

## SCHEDA TECNICA

# PUMA 20 ATEX Z20/Z22 I11/3D INDUSTRIAL VACUUM

## ASPIRATORI INDUSTRIALI ATEX ED ACD

The **Puma 20 ATEX Z20/Z22** is an **industrial vacuum cleaner of the heavy series**, for working in **harsh conditions and with heavy materials**. The **extractor** has a third-party certification (TUV) which **certifies the internal area as Z20**. It mounts a **dual-stage side channel blower** in parallel/series with **high airflow/depression**. The **safety vacuum breaker valve** is installed as standard. The **tangential inlet** together with the **robust cyclone welded** inside the filtration chamber guarantees **excellent efficiency** even with the **finest powders**. The material, entering tangentially, meets the cyclone and due to the friction generated, it loses speed **falling directly into the container**. This system is very useful for **protecting the filter from the sucked material**. The filter is **polyester, M class certified**, with a **filtration efficiency** of 1  $\mu$ . The filter can be **customized** according to the specific application. The unit is equipped, as standard, with a **manual filter cleaning system** which, thanks to a practical lever on the upper part of the industrial vacuum, with which **the filter can be shaken easily and effectively**. On request, it is possible to configure the **vacuum cleaner** with an **automatic counter-current filter cleaning system**. A practical and sturdy **175 Lt container, equipped with a release system**, allows you to collect the **vacuumed material and dispose of it with ease**. To facilitate the handling of the container there are 4 pivoting wheels mounted on reinforced supports in order to facilitate handling even when there are **several kg of material inside**. On request, a kit is available that allows the **handling and unloading of the container** with the forklift.



**POTENZA**  
15 kW



**SUPERFICIE**  
45.000 cm<sup>2</sup>



**CAPACITÀ**  
175 Lt

**HIGHLIGHTS**

**SUCTION UNIT**

The suction unit is a side channel blower with direct coupling between motor and impeller. The side channel blower is equipped with a safety valve to guarantee continued work in complete safety, without any maintenance. The blower is also equipped with a metal silencer to maintain a low noise level.


**FILTERING ELEMENT**

The filtration is guaranteed by an M class polyester filter. The star shape enables air to flow through the filter even when it is dirty. The fabric of the filter is classified as M Class (BIA | EN 60335-2-69). This means that all particles till 1 micron are stopped by the filter so as to protect the blower and the operator around the vacuum cleaner.


**SUCTION INLET**

The tangential inlet is designed to ease the process of pushing the material down the bin. A sturdy metal cyclone welded inside the chamber slows the material's entry speed considerably down so that it falls directly inside the bin. This way, the filter is efficiently protected, minimizing clogging risk.


**COLLECTION BIN**

The vacuumed material is collected in an AISI 304 stainless steel container, equipped with a metal handle that enables the bin to be detached from the machine, to avoid any spark that could be generated by the electrostatic charge. Thanks to the 4 sturdy pivoting wheels, the bin can be moved very easily to then dispose of the collected material. Each wheel is reinforced to guarantee maximum stability during handling.

**DATI TECNICI**
**MOTORE**

Tipologia	side channel blower
Marcatura ATEX	II 1/3 D Ex htc IIIC T140°C Da/Dc
Voltaggio	400V
IP	65
Vuoto in continuo	350mBar
Massima portata d'aria	920m3/h
Valvola di sicurezza	included
Livello di rumorosità	74dB(A)
Frequenza	50/60Hz
Potenza	20HP
Classe di isolamento	F

**FILTRO PRIMARIO**

Tipologia	star filter
Classe EN 60335-2-69	M Class
Media	antistatic polyester
Pulizia filtro	manual shaker

**MACCHINA**

Bocca aspirante	100Ø mm
Dimensioni	850 X 1.550mm
Altezza	1.980mm
Peso	290Kg
Ciclone conico	incluso

**OPZIONI**



**MEDIA FILTRANTE DISPONIBILE**



**PTFE ANT**

Filtro PTFE antistatico (Classe M EN 60335-2-69)



**HEPA 14**

Filtro assoluto (EN 1822)  
110.000 cm<sup>2</sup> superficie filtrante  
Classe H14 (EN 1822)  
Fibra di vetro

**OPZIONI**



**SISTEMI DI PULIZIA FILTRO DISPONIBILI**



**PSC**

Scuotifiltro Pneumatico



**SP**

Pulizia cartucce in controcorrente d'aria  
Filtro antistatico classe M (EN 60335-2-69)  
4 Filtri poliestere antistatici  
12 m<sup>2</sup> superficie filtrante

**OPZIONI**

**ALTRE OPZIONI**



**BX**

Contentore in acciaio INOX AISI 304



**GX**

Camera e contenitore acciaio INOX AISI 304



**FKL**

Supporto sollevamento per muletto



**GFR**

Golfari



**RC**

Controllo remoto 24 V ON/OFF

**ACCESSORI**



**P12377**

**KIT ANTISTATICO PRO Ø 50MM**

Kit completo di accessori antistatici per applicazione con aspiratore ATEX in diametro 50 mm



**P12377**

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