

FOX 3 | 5,5 P | 5,5 S



TECHNICAL DATA

FOX	Units	3	5,5 P	5,5 S
Type			Side channel blower	
Power	kW-HP	2,2 – 3	4 – 5,5	4,3 – 5,8
Voltage Frequency	V Hz	400 50/60	400 50/60	400 50/60
IP Insulation class		55 F	55 F	55 F
Maximum vacuum	mBar	230	250	430
Vacuum in continuous run	mBar	190	160	360
Maximum air flow		320	520	320
Relief valve	m³/h	Included	Included	Included
Conic cyclone		Included	Included	Included
Inlet	Ø mm	80	80	80
Noise level – (EN ISO 3744)	dB(A)	74	76	76
Bin capacity	Lt	100	100	100
Dimensions	Mm	660x1200	660x1200	660x1200
Height	Mm	1510	1510	1510
Weight	Kg	140	155	155
Primary filter			Star filter	
Type			Star filter	
Surface	cm²		24.000 M Class	
(Class EN 60335-2-69)				
Media			Polyester	
Filter cleaning			Manual shaker	
SP filter cleaning – Optional				
Surface	cm²		90.000 IFA/BGIA M-PES EXAM ACCREDITED	
(Class EN 60335-2-69)				
Media			Antistatic polyester	
Filter cleaning			Reverse air jet	
Absolute filter – Optional				
Surface	cm²		28.000 H14 Fiberglass	
(Class – EN 1822)				
Media				



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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.



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, minimising clogging risk.



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.



COLLECTION BIN

The material is collected inside a painted container equipped with a metal handle which enables the bin to be detached from the machine. Thanks to its 4 swiveling wheels, the bin can be easily moved and emptied. Each wheel is reinforced to guarantee maximum stability during handling.

FILTER CLEANING SYSTEMS AVAILABLE ON REQUEST



The SP option consists in a filter cartridges cleaning system with a reverse air jet at 6 bar. This system is extremely efficient even with finer dust. Each filter is cleaned by independent electrical valves which ensures the cleaning to be carried out without stopping the machine.



The PSC system is a semiautomatic filter shaker. Inside the filter chamber there is a pneumatic piston which shakes the filter each time the operator pushes the activation button. As an option it is possible to install a PLC to have a complete automatic cycle.



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AVAILABLE OPTIONS

BFL	M Class filter 38.000 cm ²
ANT M	Antistatic filter (M class EN 60335-2-69)
HEPA 14	Absolute filter (EN 1822-5)
MTF	Teflon filter (M class EN 60335-2-69)
NOMEX	250° Celsius resistant filter
PTFE	PTFE filter (M class EN 60335-2-69)
PTFE ANT	Antistatic PTFE filter (M class EN 60335-2-69)
BX	Stainless steel bin AISI 304
GX	Stainless steel bin and chamber AISI 304
LP	Longopac bagging system
KDP	Differential pressure KIT for bag
FKL	Forklift bracket
GFR	Lifting eyebolts
GRD	Grounding
FLT	Floater device