

DUST FREE INDUSTRIAL (DFI) 8500

APPLICATIONS

The DFI 8500 is **suitable** for the following applications:

- airborne dust particles
- viruses and bacteria (if H13 is installed)



Do **not** use the DFI 8500 for the following applications or in the following circumstances:

- arc-air gouging
- aluminium laser cutting
- extraction of aggressive fumes and gases (e.g. from acids, from alkaline, from soldering paste containing lithium)
- extraction of hot gases (more than 45°C/113°F continuously)
- grinding aluminum and magnesium
- flame spraying
- sucking cigarettes, cigars, oiled tissues and other burning particles, objects and acids
- explosive environments or explosive substances/gases

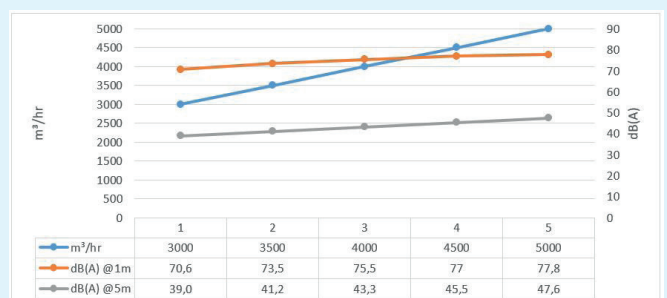


SPECIFICATIONS

DFI 8500	
Physical dimensions and properties	
Height	1020 mm
Width	970 mm
Depth	1775 mm
Weight (net)	+/- 140 kg
Material housing	Plastic
Colour	Blue
Fan capacity	8500 m ³ /h
Electrical data	
Supply voltage	230V/1~/50Hz
Power consumption	100 - 1100 W
Thermal protection	Integrated with fan
Ambient conditions	
Operating temperature:	
• minimum	5 °C
• nominal	20 °C
• maximum	45 °C
Max. relative humidity	80 %
Outdoor use allowed	No
Storage conditions	• 5 - 45 °C • RH 80%
Noise level	39 - 47,6 Db (A) (see graph *)

DFI 8500	
Operation of DFI models from 2025 via Air Safety Portal	
Options	
HMI (available for DFI models up to 2024)	• Touchscreen • External on / off switch
Outlet Grid	• Standard manual adjustable • Optional motorised adjustable
Bagfilters (592 x 592 x 600 mm)	• ISO Coarse 70% • ePM2,5 70%
Compactfilters (592 x 592 x 292 mm)	• ePM2,5 70% • ePM1 80%
V-bank H13 Filter (592 x 592 x 440 mm)	• H13 filter
Scope of supply	
• Air Cleaner (incl. Filters) • Manual, incl. Electrical diagram	
Shipping data	
Gross weight (1 pc)	170 kg
Max. number/pallet	1
Harmonized Tariff Code	8421.39.2090
Country of origin	The Netherlands

APPROVALS/CERTIFICATES



* capacity - noise level graph (fixed flow values are based on clean filters).

Product type	DFI 8500
Product category	Spatial filtration systems
Version	13022024/2