

Technical Data Sheet

DSO124**IE3 450 Enviro Fan****Product Description**

The FDS FireSmart Enviro Fan can be used to mechanically extract heat from the corridor and stairs

M&E Specifications

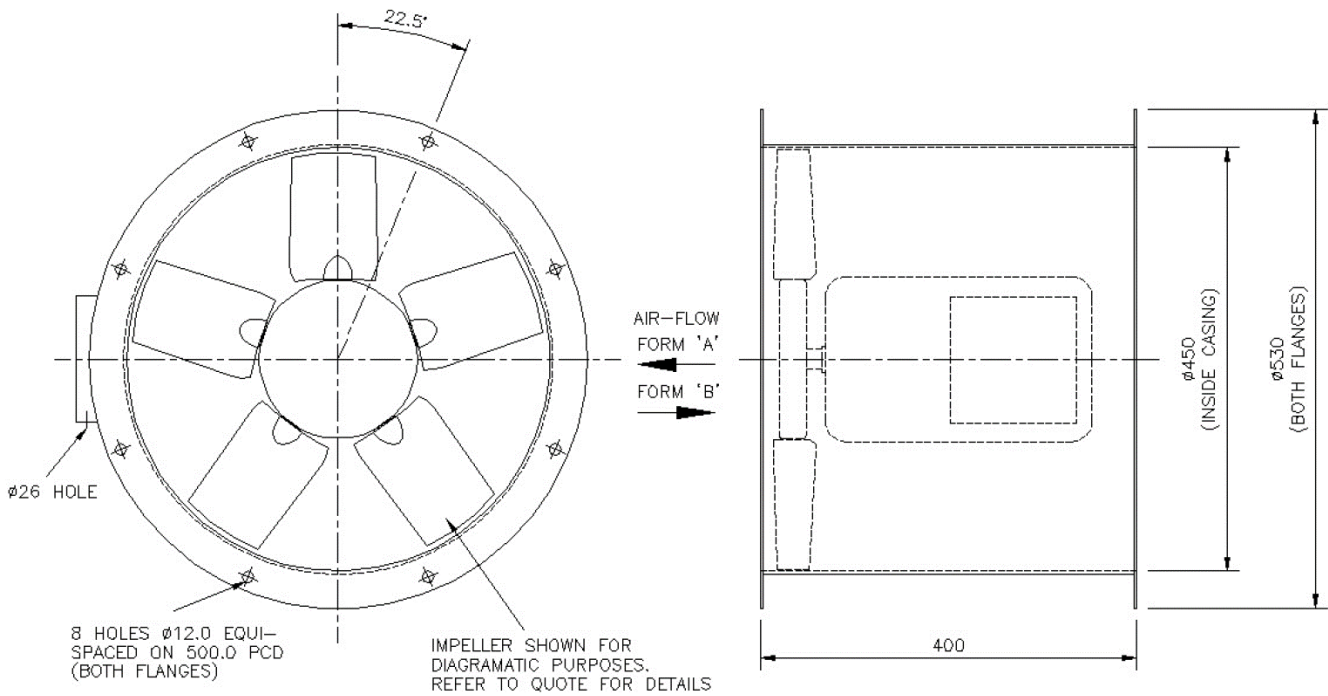
N/A

Controls

N/A

Technical Data Sheet

Dimensional Drawings



Performance Data

Air Flow	2.00 m ³ /s	Air Flow	2.02 m ³ /s
Static Pressure	500 Pa	Static Pressure	510 Pa
Selection Pressure	500 Pa	Total Pressure	608 Pa
Installation Type	TYPE D		
Air Density	1.204 kg/m ³		
Atmos. Temp	20 °C		
Altitude	0 m		
Humidity	0.0%		



Technical Data Sheet

Fan Data

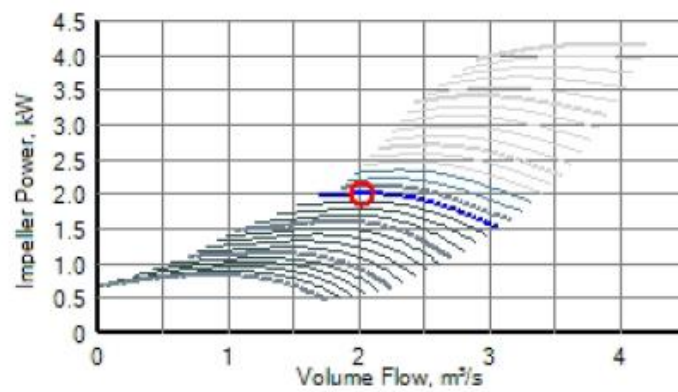
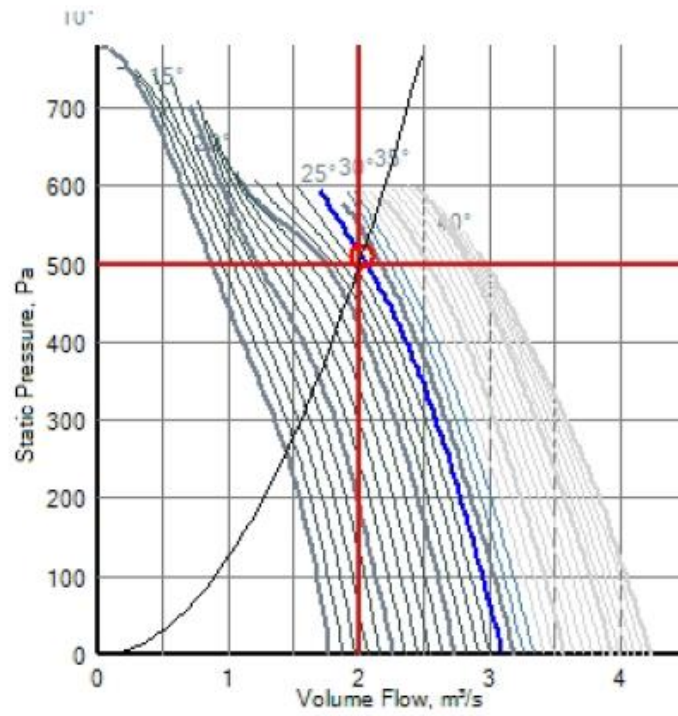
Diameter	450 mm	Hub	131 mm
Impeller Type	Axial	Pitch	24 °
Blade Material	Aluminium	Blades	6
Speed	2880 r/min @50 Hz	Form	B
Power, Abs	2.00 kW	Peak	2.00 kW
Input Power	2.31 kW		
Efficiency Total	61.4%	Static	51.6%
SFP	1.15		
Fan Weight	45.1 kg		

Technical Data

Energy Related Product Data			
		At Maximum Efficiency Point	
Overall Efficiency	44.8%	Input Power	2.30 kW
Measurement Category	C	Air Flow	1.89 m ³ /s
Efficiency Category	Static	Pressure	544 Pa
FMEG	48	Speed	2880 r/min
Specific Ratio	1		



Technical Data Sheet





Technical Data Sheet

Motor Data

Motor Type	Standard (IE3)
Electrical Supply	400V 3ph 50Hz
Motor Frame	90L
Motor Power	2.20kW
FLC/Start (DOL)	4.43A / 33.23A
Motor Speed	2 Pole
Motor Efficiency	86.5%

Acoustic Data

Spectrum (Hz)	63	125	250	500	1K	2K	4K	8K	dBW	dB(A) @ 3m
Inlet (dB)	94	87	91	91	90	88	85	82	99	74
Outlet (dB)	94	86	90	87	88	87	84	84	98	73

Sound levels are quoted as in-duct values. dB(A) values are average spherical free-field for comparative use only.

Installation Guide Reference Number

N/A

Optional Extras

N/A



Technical Data Sheet

Compliance

- ISO 5801:2007 (Airside Performance)
- BS 848 Part 2:1985 (Sound Performance)
- BS ISO 13347-2:2004 (Reverberation Room Method)

Part Number

N/A