

DZD 50/4 B Ex e



Short description

Axial roof fan, horizontal air outlet, DN500, three-phase AC, explosion-proof, medium: gas

Application examples

Environment with explosion hazard (zone 1 and 2), Dye shop, Battery room, Workplace, Storage facility

Article number 0087.0807

Technical data

Air flow volume	5.830 m³/h
Rotating speed	1.425 1/min
Impeller type	axial
Air direction	Ventilation and air extraction
Speed controllable	✓
Reversing capacity	✓
Type of voltage	Three-phase AC
Rated voltage	400 V
Frequency	50 Hz
Nominal output	485 W
cosφ	0,76
I _{nom}	0,92 A
I _{max} at U _{Nominal}	1,7 A
Degree of protection	IP 64
Insulation class	F
Installation site	Roof
Installation position	vertical
Material	Sheet steel, galvanised
Housing material	Sheet steel, galvanised
Colour	galvanised
Weight	39 kg
Weight including packaging	46 kg
Nominal size	500 mm
Width	940 mm
Height	420 mm
Depth	940 mm
Width with packaging	941 mm
Height with packaging	510 mm
Depth with packaging	941 mm

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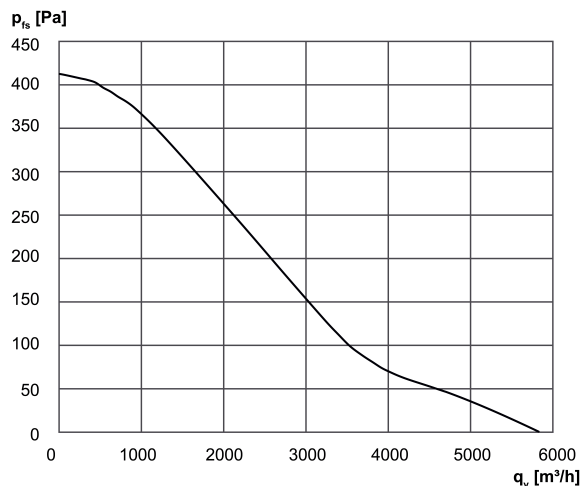
EX designation in accordance with the ATEX Directive	Ex II 2 G
EX designation in accordance with standard	Ex eb IIB + H ₂ T3 Gb / Ex h IIB + H ₂ T3 Gb
Ta ambient temperature	-20 °C ≤ Ta ≤ +60 °C
I _A /I _N	4,1
Time t _A	240 sek
Operating mode	S1
PTC DIN 44082	M 130
EC type examination certificate	TÜV-A 19 ATEX0104 X, IECEx EPS 19.0020X
Temperature class	T3
Temperature class of insulating materials Th. Cl.	155 (F)
Packing unit	1 piece
Range	C
GTIN (EAN)	4012799878070

Sound power level in octave range

	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
L _{WA5, high} (dB(A))	–	–	–	–	–	–	–	–	88

L_{WA5}= free inlet sound power level in dB.

Characteristic curve



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Dimensioned drawing [mm]

