

ERM 25 Ex e /60Hz



Short description

Semi-centrifugal duct fan, DN 250, alternating current 230V/ 60Hz, explosion proof, medium: gas

Application examples

Environment with explosion hazard (zone 1 and 2), Dye shop, Battery room, Commercial premises, Production facility

Article number 0080.0375

Technical data

Air flow volume	1.010 m³/h
Rotating speed	3.200 1/min
Impeller type	semi-radial
Speed controllable	–
Type of voltage	Alternating current
Rated voltage	230 V
Frequency	60 Hz
Nominal output	495 W
cosφ	0,97
I _{nom}	2,2 A
I _{max} at U _{Nominal}	2,2 A
Degree of protection	IP 64
Insulation class	F
Mains cable	3 x 1,5 mm²
Installation position	vertical / horizontal
Material impeller	Synthetic material
Housing material	Synthetic material
Colour	Signal black, similar to RAL 9004
Weight	7,35 kg
Weight including packaging	8,38 kg
Nominal size	250 mm
Width	340 mm
Height	337,5 mm
Depth	232 mm
Width with packaging	365 mm
Height with packaging	365 mm
Depth with packaging	250 mm
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

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Ta ambient temperature	-20 °C ≤ Ta ≤ +50 °C
I _A /I _N	2,2
Time t _E	41
Operating mode	S1
EC type examination certificate	TÜV-A 18ATEX0052 X, IECEx EPS 19.0025X
Temperature class	T3
Capacitor capacity / voltage	16μF/280V
Temperature class of insulating materials Th. Cl.	155 (F)
Packing unit	1 piece
Range	C
GTIN (EAN)	4012799803751

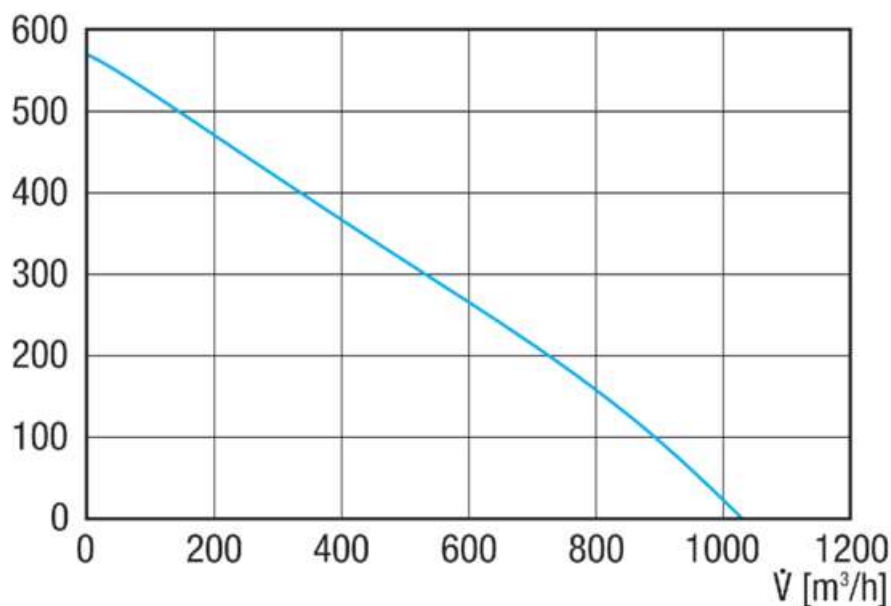
Sound power level in octave range

	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
L_{WA5, high} (dB(A))	45	59	69	73	78	74	68	62	81

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

Characteristic curve

Δp_{st} [Pa]



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Dimensioned drawing [mm]

