

ERM 25 Ex e



Short description

Semi-centrifugal duct fan, DN 250, alternating current, explosion proof, medium: gas

Application examples

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

Article number 0080.0249

Technical data

Air flow volume	870 m³/h
Rotating speed	2.820 1/min
Impeller type	semi-radial
Speed controllable	–
Type of voltage	Alternating current
Rated voltage	230 V
Frequency	50 Hz
Nominal output	300 W
cosφ	0,93
I _{nom}	1,4 A
I _{max} at U _{Nominal}	1,4 A
Degree of protection	IP 64
Insulation class	F
Mains cable	3 x 1,5 mm²
Installation position	vertical / horizontal
Material	Sheet steel, galvanised
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

ERM 25 Ex e

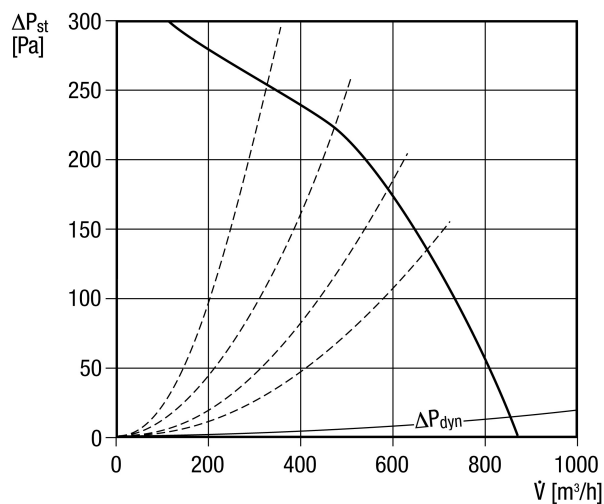
Ta ambient temperature	-20 °C ≤ Ta ≤ +50 °C
I _A /I _N	3,5
Time t _E	19
Operating mode	S1
EC type examination certificate	TÜV-A 18ATEX0052 X, IECEx EPS 19.0025X
Temperature class	T3
Capacitor capacity / voltage	16µF/280V
Temperature class of insulating materials Th. Cl.	155 (F)
Packing unit	1 piece
Range	C
GTIN (EAN)	4012799802495

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))	35	48	55	62	66	63	56	51	77

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

Characteristic curve



ERM 25 Ex e

Dimensioned drawing [mm]

