

ERM 18 Ex e



Short description

Semi-centrifugal duct fan, DN 180, single-phase AC 230 V/50 Hz, explosion-proof, medium: gas

Application examples

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

Article number 0080.0290

Technical data

Air flow volume	310 m ³ /h
Rotating speed	2.780 1/min
Impeller type	semi-radial
Speed controllable	–
Type of voltage	Alternating current
Rated voltage	230 V
Frequency	50 Hz
Nominal output	50 W
cosφ	0,9
I _{nom}	0,25 A
I _{max} at U _{Nominal}	0,25 A
Degree of protection	IP 64
Insulation class	B
Mains cable	3 x 1,5 mm ²
Installation position	vertical / horizontal
Housing material	Synthetic material
Impeller material	Synthetic material
Colour	Signal black, similar to RAL 9004
Weight	3,57 kg
Weight including packaging	3,83 kg
Nominal size	180 mm
Width	262 mm
Height	252 mm
Depth	187 mm
Width with packaging	255 mm
Height with packaging	190 mm
Depth with packaging	240 mm
EX designation in accordance with the ATEX Directive	Ex II 2 G
EX designation in accordance with standard	Ex eb IIB + H ₂ T4 Gb / Ex h IIB + H ₂ T4 Gb

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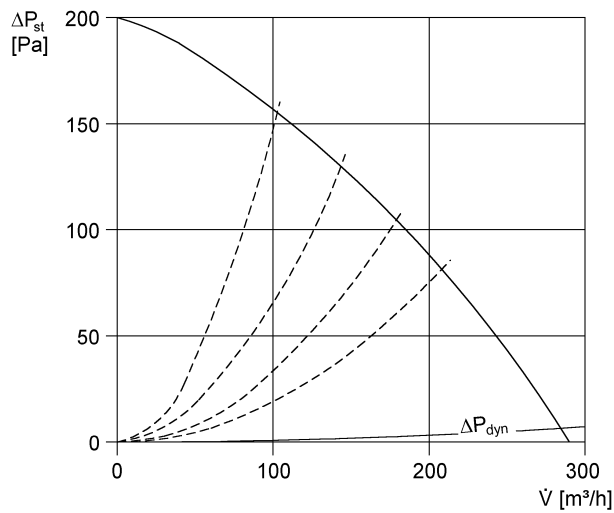
Ta ambient temperature	-20 °C ≤ Ta ≤ +50 °C
I _A /I _N	2,5
Time t _E	50 sek
Operating mode	S1
EC type examination certificate	TÜV-A 18ATEX0052 X, IECEx EPS 19.0025X
Temperature class	T4
Capacitor capacity / voltage	3µF/280V
Temperature class of insulating materials Th. Cl.	130 (B)
Packing unit	1 piece
Range	G
GTIN (EAN)	4012799802907

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, S5} (dB(A))	32	46	54	58	61	58	54	48	65

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

Characteristic curve



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Dimensioned drawing [mm]

