DC axial compact fan

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Nominal data

Type	8412 N	
Nominal voltage	VDC	12
Nominal voltage range	VDC	8 .. 15
Speed (rpm)	min^{-1}	3100
Power consumption	W	2
Min. ambient temperature	°C	-20
Max. ambient temperature	°C	70
Air flow	m^3/h	65
Sound power level	B	4.6
Sound pressure level	dB(A)	32

ml = Max. load · me = Max. efficiency · fa = Free air · cs = Customer specification · ce = Customer equipment
Subject to change

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Technical description

Weight	0.095 kg
Dimensions	80 x 80 x 25 mm
Impeller material	Glass-fiber reinforced PA plastic
Housing material	Glass-fiber reinforced PBT plastic
Airflow direction	Exhaust over struts
Direction of rotation	Counterclockwise, viewed toward rotor
Bearing	Ball bearing
Service life L10 at 40 °C	70000 h
Service life L10 at maximum temperature	35000 h
Cable	Leads AWG 24, TR 64, stripped and tin-plated.
Motor protection	Protection against reverse polarity and blocked rotor.
Locked-rotor protection	Locked-rotor and overload protection
Approval	VDE, CSA, UL, CE
Option	Possible custom designs: Speed signal Go / No-go alarm Alarm with speed limit External temperature sensor Internal temperature sensor PWM control input Analog control input Moisture protection Degree of protection: IP54 / IP68

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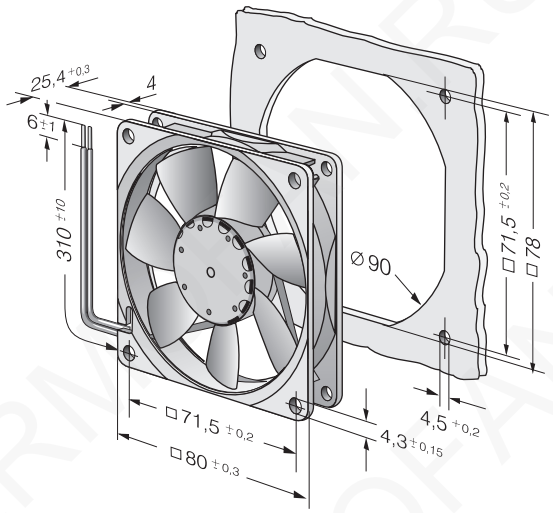
Product drawing



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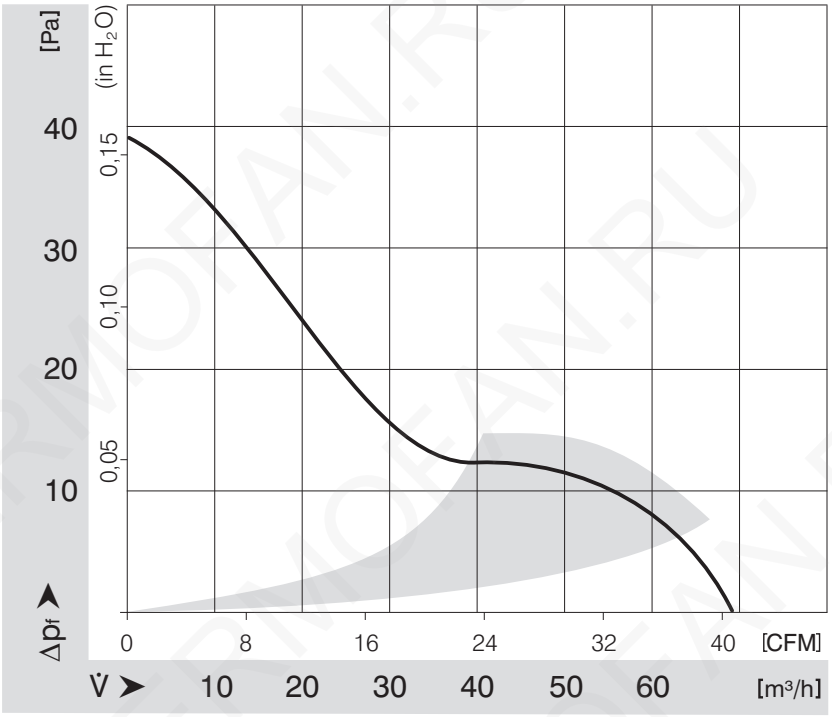
Curves: Air performance



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