8452 GN

DC axial compact fan



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Nominal data

Type	8452 GN	
Nominal voltage	VDC	12
Nominal voltage range	VDC	8 .. 15
Speed	min^{-1}	3600
Power input	W	1.8
Min. ambient temperature	°C	-20
Max. ambient temperature	°C	70
Air flow	m^3/h	68
Sound power level	B	5.0
Sound pressure level	dB(A)	36

ml = max. load · me = max. efficiency · rfa = running at free air · cs = customer specs · cu = customer unit
Subject to alterations

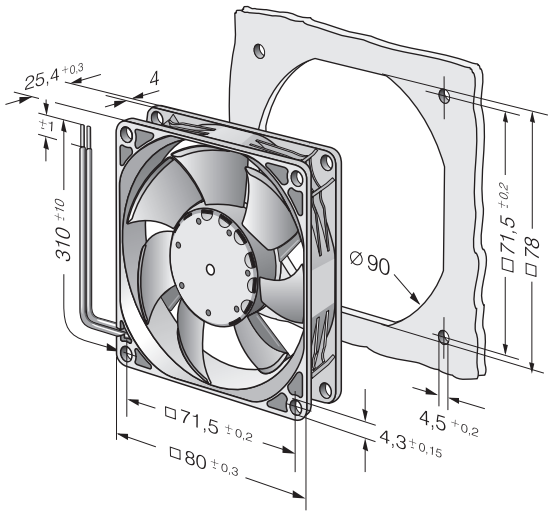
Technical features

Dimensions	80 x 80 x 25 mm
General description	Particular design features: Rigid compression curve for high air flow at high counterpressure. Motor has very low structure-borne noise. Innovative impeller with winglets for low noise. Extremely quiet Sintec sleeve bearings and ball bearings. Models with PWM and open collector speed signal. General features: Material: fibreglass-reinforced plastic. Impeller PA, housing PBT. Electronic commutation completely integrated. Protected against reverse polarity and locking. Connection via single strands AWG 24, TR 64, bared and tin-plated. Air exhaust over bars. Direction of rotation counter-clockwise seen on rotor. Mass: 105 g.
Connection line	Single strands AWG 24, TR 64, bared and tin-plated.
Direction of rotation	Counterclockwise, looking at rotor
Direction of air flow	Air exhaust over bars
Bearing	Extremely quiet Sintec sleeve bearing.
Lifetime L10 at 40 °C	70000 h
Lifetime L10 at maximum temperature	35000 h
Mass	0.105 kg
Housing material	Fiberglass-reinforced PBT plastic
Material of impeller	Fiberglass-reinforced PA plastic
Motor protection	Protected against reverse polarity and locking.

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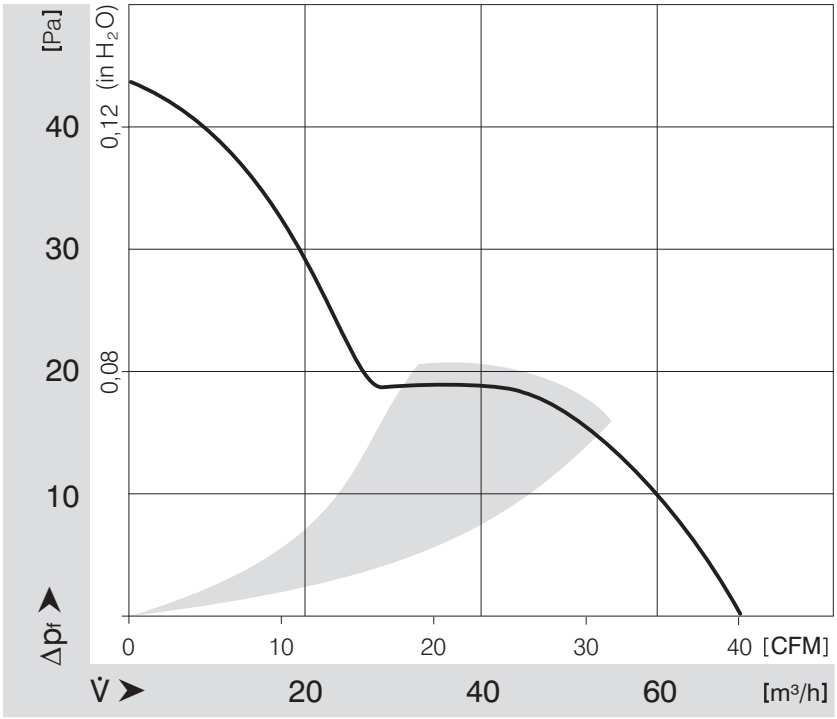
Product drawing



ebm-papst St. Georgen GmbH & Co. KG · Hermann-Papst-Straße 1 · D-78112 St. Georgen · Phone +49 7724 81-0 · Fax +49 7724 81-1309 · info2@de.ebmpapst.com · www.ebmpapst.com

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Charts: Air flow



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