

customized design!

8412ENHV / 17-175

ebmpapst

DC axial fan

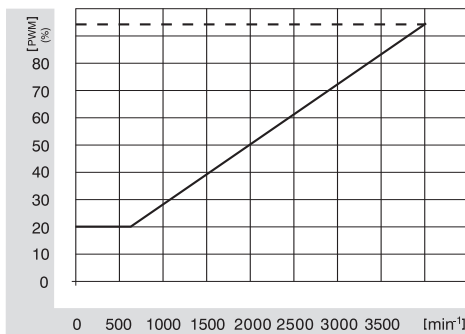


- Low noise level by special commutation electronics
- Electronic locked rotor and reverse polarity protection
- Self-diagnosis function: In case of failure (stiffness/blocking) a signal for speed control will be pulled down to ground. Loss of electrical contact will cause shutdown of motor
- External speed setting via PWM
- Speed control and diagnosis combined in one wire
- Closed loop speed control (restricted, working independently of nominal operating voltage and charge)
- EMC protective measures suitable for direct connection to vehicle supply system
- Flanges for application in sucking or blowing operation
- Housing made of 2 parts to facilitate assembly and to avoid mechanical stresses to the bearing system

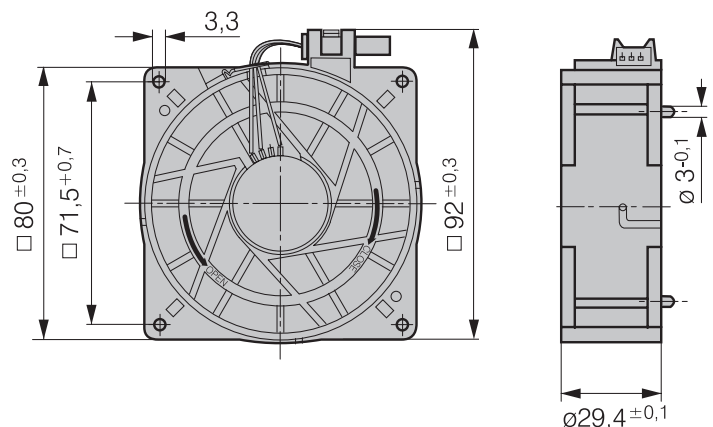
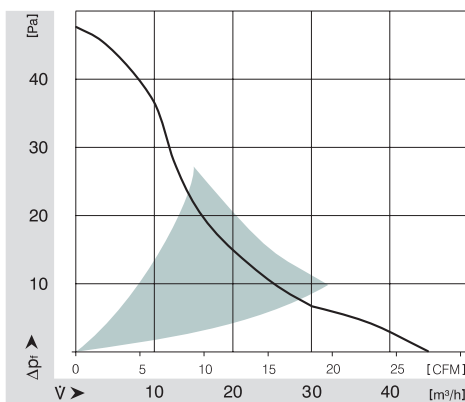
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Nominal data

Type	8412ENHV / 17-175	
Supply voltage range	V DC	9 ... 15
Nominal supply voltage	V DC	12
Nominal current consumption max.	mA	140
Nominal speed max.	min ⁻¹	3850
Speed setting (PWM, open collector, f=3...4 kHz)	%	35 ... 90
Max. flow rate (p = 0)	CFM	27.90
Max. pressure (V = 0)	Pa	48
Sound pressure level (Δp _i)	dB(A)	45
Ambient temperature range	°C	-40 ... +70
Service life (at 23°)	h	> 5000
Bearing system		Ball bearing
Mass	g	75



All data are average figures at nominal voltage.
Subject to technical change.



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