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**Nominal data**

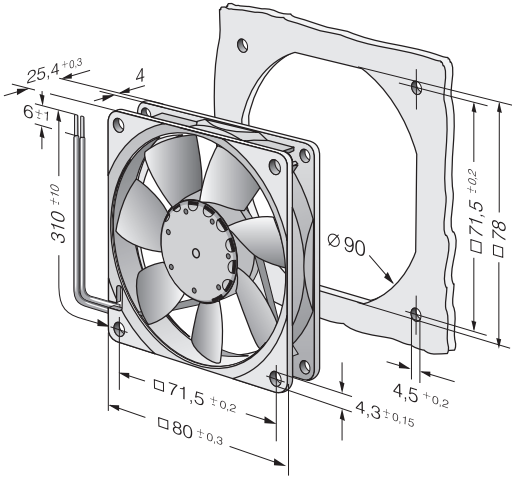
Type	8412 NLE	
Nominal voltage	[VDC]	12
Nominal voltage range	[VDC]	8 .. 15
Speed	[min <sup>-1</sup> ]	1500
Power input	[W]	0.3
Min. ambient temperature	[°C]	-20
Max. ambient temperature	[°C]	85
Air flow	[m <sup>3</sup> /h]	33
Sound power level	[B]	3.7
Sound pressure level	[dB(A)]	17

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

## Technical features

<b>Dimensions</b>	80 x 80 x 25 mm
<b>General description</b>	Suitable for use at high ambient temperatures up to 85 °C. Electronic commutation completely integrated.
<b>Connection line</b>	Single strands AWG 24, TR 64, bared and tin-plated.
<b>Locked-rotor protection</b>	Blocking and overload protection
<b>Direction of protection</b>	Left, looking at rotor
<b>Direction of air flow</b>	Air exhaust over bars
<b>Bearing</b>	Ball bearings
<b>Lifetime L10 at 40 °C</b>	80000 h
<b>Lifetime L10 at maximum temperature</b>	27500 h
<b>Mass</b>	0.095 kg
<b>Housing material</b>	Fiberglass-reinforced PBT plastic
<b>Material of impeller</b>	Fiberglass-reinforced PA plastic
<b>Motor protection</b>	Protected against reverse polarity and locking.
<b>Option</b>	Vario-Pro
<b>Approval</b>	VDE, CSA, UL, CE

Product drawing



Charts: Air flow

