

6412 M

## DC axial compact fan



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### Nominal data

Type	6412 M	
Nominal voltage	[VDC]	12
Nominal voltage range	[VDC]	8 .. 15
Speed	[min <sup>-1</sup> ]	2850
Power input	[W]	12.0
Min. ambient temperature	[°C]	-20
Max. ambient temperature	[°C]	72
Air flow	[m <sup>3</sup> /h]	350
Sound power level	[B]	6.0
Sound pressure level	[dB(A)]	52

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>	172 x 150 x 51 mm
<b>General description</b>	VARIOFAN models available with external temperature sensor. Optional Vario-Pro: Highly flexible software configuration for the fan ensures an easily customizable solution to meet the individual requirements of your application. Electronic commutation automatically integrated.
<b>Connection line</b>	Flat plugs 3.0 x 0.5 mm.
<b>Locked-rotor protection</b>	Electronic blocking protection, with electronic motor current limit in the startup phase and when the rotor is blocked.
<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>	37500 h
<b>Mass</b>	0.760 kg
<b>Housing material</b>	Aluminum. Housing with grounding lug for screw M4 x 8 (TORX).
<b>Material of impeller</b>	Fiberglass-reinforced PA plastic
<b>Motor protection</b>	Protected against reverse polarity and locking.
<b>Approval</b>	VDE, CSA, UL, CE

Product drawing



## Charts: Air flow

