

## Nominal data

Type	412 JHH	
Nominal voltage	VDC	12
Nominal voltage range	VDC	8 .. 13.5
Speed	min <sup>-1</sup>	13000
Power input	W	3.3
Min. ambient temperature	°C	-20
Max. ambient temperature	°C	60
Air flow	m <sup>3</sup> /h	24
Sound power level	B	6.1
Sound pressure level	dB(A)	46

ml = Max. load · me = Max. efficiency · fa = Running at free air · cs = Customer specs · cu = Customer unit  
Subject to alterations

**Technical features**

<b>Mass</b>	0.050 kg
<b>Dimensions</b>	40 x 40 x 25 mm
<b>Material of impeller</b>	Fiberglass-reinforced PA plastic
<b>Housing material</b>	Fiberglass-reinforced PBT plastic
<b>Direction of air flow</b>	Air exhaust over bars
<b>Direction of rotation</b>	Left, looking at rotor
<b>Bearing</b>	Ball bearings
<b>Lifetime L10 at 40 °C</b>	57500 h
<b>Lifetime L10 at maximum temperature</b>	35000 h
<b>Connection line</b>	Single strands AWG 26, TR 64, bared and tin-plated.
<b>Motor protection</b>	Protected against reverse polarity and locking.
<b>Approval</b>	VDE, CSA, UL
<b>Option</b>	Speed signal



## Charts: Air flow

