

**ebm-papst St. Georgen GmbH & Co. KG**

Hermann-Papst-Str. 1

D-78112 St. Georgen

Phone +49 (0) 7724 81-0

Fax +49 (0) 7724 81-1309

info2@de.ebmpapst.com

www.ebmpapst.com

**Nominal data**

Type	8414 NG	
Nominal voltage	VDC	24
Nominal voltage range	VDC	18 .. 28
Speed (rpm)	min <sup>-1</sup>	3100
Power consumption	W	2.2
Min. ambient temperature	°C	-20
Max. ambient temperature	°C	70
Air flow	m <sup>3</sup> /h	69
Sound power level	B	4.7
Sound pressure level	dB(A)	32

ml = Max. load · me = Max. efficiency · fa = Free air · cs = Customer specification · ce = Customer equipment  
Subject to change



### Technical description

<b>Housing material</b>	Glass-fiber reinforced PBT plastic
<b>Impeller material</b>	Glass-fiber reinforced PA plastic
<b>Weight</b>	0.095 kg
<b>Dimensions</b>	80 x 80 x 25 mm
<b>Airflow direction</b>	Exhaust over struts
<b>Direction of rotation</b>	Counterclockwise, viewed toward rotor
<b>Storage</b>	Sintec sleeve bearing
<b>Service life L10 at 40 °C</b>	70000 h
<b>Service life L10 at maximum temperature</b>	35000 h
<b>Cable</b>	Leads AWG 24, TR 64, stripped and tin-plated.
<b>Motor protection</b>	Protection against reverse polarity and blocked rotor.
<b>Locked-rotor protection</b>	Locked-rotor and overload protection
<b>Approval</b>	VDE, CSA, UL, CE
<b>Option</b>	Possible custom designs: Speed signal Go / No-go alarm Alarm with speed limit External temperature sensor Internal temperature sensor PWM control input Analog control input Moisture protection Degree of protection: IP54 / IP68



## Curves: Air performance

