

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

Hermann-Papst-Straße 1

D-78112 St. Georgen

Phone +49 7724 81-0

Fax +49 7724 81-1309

info2@de.ebmpapst.com

www.ebmpapst.com

Nominal data

Type	414 JH	
Nominal voltage	VDC	24
Nominal voltage range	VDC	18 .. 27
Speed	min ⁻¹	11700
Power input	W	3.0
Min. ambient temperature	°C	-20
Max. ambient temperature	°C	70
Air flow	m ³ /h	22
Sound power level	B	5.8
Sound pressure level	dB(A)	43

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



Technical features

General description	Particular design features: Rigid compression curve for high air flow at high counterpressure. Low operating noise level at high counterpressure. General features: Material: fibreglass-reinforced plastic. Impeller PA, housing PBT. Electronic commutation completely integrated. Protected against reverse polarity and locking. Connection via single strands AWG 26, TR 64, bared and tin-plated. Air exhaust over bars. Direction of rotation counter-clockwise seen on rotor. Mass: 50 g.
Mass	0.050 kg
Dimensions	40 x 40 x 25 mm
Material of impeller	Fiberglass-reinforced PA plastic
Housing material	Fiberglass-reinforced PBT plastic
Direction of air flow	Air exhaust over bars
Direction of rotation	Left, looking at rotor
Bearing	Ball bearings
Lifetime L10 at 40 °C	60000 h
Lifetime L10 at maximum temperature	30000 h
Connection line	Single strands AWG 26, TR 64, bared and tin-plated.
Motor protection	Protected against reverse polarity and locking.
Approval	VDE, CSA, UL

Technical drawing of a square axial fan. The main body is square with side length $\square 38$. The mounting flange has a thickness of 6 ± 1 mm and a total width of 310 ± 10 mm. The fan frame has a height of $25,4 \pm 0,3$ mm and a top flange thickness of 2 mm. The central hub has a diameter of $\varnothing 40$ mm. The mounting holes have a diameter of $\square 32 \pm 0,1$ mm. The distance between the mounting holes is $\square 40 \pm 0,15$ mm. The mounting holes are located at a distance of $3,5 \pm 0,15$ mm from the edges of the mounting flange.

Charts: Air flow

