

**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

sales@fansco.com

www.fansco.com

Nominal data

Type	422JN	
Phase		1~
Nominal voltage	VDC	12
Nominal voltage range	VDC	8 .. 13,8
Speed (rpm)	min ⁻¹	14250
Power consumption	W	4.1
Min. ambient temperature	°C	-20
Max. ambient temperature	°C	70
Air flow	m ³ /h	31
Sound power level	B	6.0
Sound pressure level	dB(A)	48

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



Technical description

General description	Very pressure-insensitive characteristic curve for high air flow at high back pressure. Low operating noise at high back pressure.
Weight	0.045 kg
Dimensions	40 x 40 x 28 mm
Impeller material	Glass-fiber reinforced PA plastic
Housing material	Glass-fiber reinforced PBT plastic
Part no.	422JN
Airflow direction	Exhaust over struts
Direction of rotation	Counterclockwise, viewed toward rotor
Storage	Ball bearing
Service life L10 at 20 °C	67.500 h
Service life L10 at 60 °C	35.000 h
Cable	With leads AWG 28, UL 1061
Approval	VDE, CSA, UL
Option	Possible custom designs: Speed signal Go / No-go alarm External temperature sensor PWM control input Moisture protection Salt spray protection



Technical drawing of the 3D-printed part showing dimensions and assembly details. The drawing includes the following dimensions and features:

- Top view dimensions: $40 \pm 0,15$ (width), $28 \pm 0,25$ (depth), and $3 \pm 0,15$ (fillet radius).
- Side view dimensions: $32 \pm 0,3$ (height), $38,4 \pm 0,25$ (total height), and $0 4,5 \pm 0,2$ (hole diameter).
- Front view dimensions: $0 3,7 \pm 0,15$ (hole diameter), 310 ± 10 (length), and 6 ± 1 (thickness).
- Assembly details: Arrows indicate the direction of assembly for the fan and the mounting plate. A note specifies $\emptyset 42,5 \pm 0,3$ for the fan hole.

Curves

