

4412 M

DC axial compact fan



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 | 4412 M | |
|--------------------------|-------------------|---------|
| Nominal voltage | VDC | 12 |
| Nominal voltage range | VDC | 7 .. 14 |
| Speed | min ⁻¹ | 3300 |
| Power input | W | 4.2 |
| Min. ambient temperature | °C | -20 |
| Max. ambient temperature | °C | 70 |
| Air flow | m ³ /h | 184 |
| Sound power level | B | 5.3 |
| Sound pressure level | dB(A) | 42 |

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



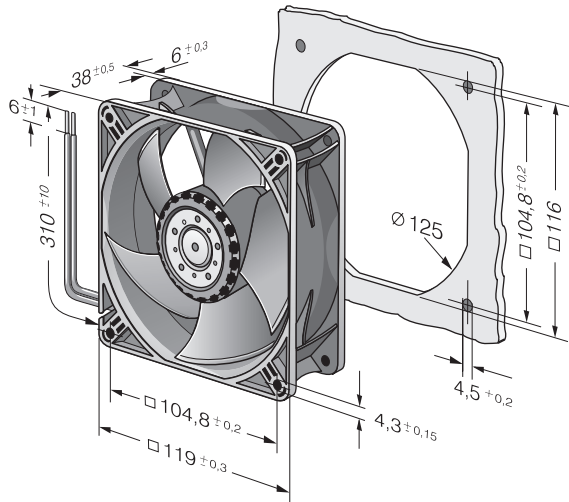
Technical features

| | |
|--|--|
| Dimensions | 119 x 119 x 38 mm |
| General description | <p>Particular design features:</p> <p>Innovative impeller with winglets for low noise.</p> <p>Control inputs and alarm and speed signals available on request.</p> <p>High-speed version with 5000 rpm, standard models available with /2 and PWM.</p> <p>General features:</p> <p>Material: fibreglass-reinforced plastic. Impeller PA, housing PBT.</p> <p>Electronic commutation completely integrated.</p> <p>Protected against reverse polarity and locking.</p> <p>Connection via single strands AWG 24, TR 64, bared and tin-plated.</p> <p>Air exhaust over bars. Rotational direction clockwise looking at rotor.</p> <p>Mass: 270 g.</p> |
| Connection line | Single strands AWG 24, TR 64, bared and tin-plated. |
| Direction of rotation | Right, looking at rotor |
| Direction of air flow | Air exhaust over bars |
| Bearing | Ball bearings |
| Lifetime L10 at 40 °C | 65000 h |
| Lifetime L10 at 70 °C | 32500 h |
| Lifetime L10 at maximum temperature | 32500 h |
| Mass | 0.250 kg |
| Housing material | Fiberglass-reinforced PBT plastic |
| Material of impeller | Fiberglass-reinforced PBT plastic |
| Motor protection | Protected against reverse polarity and locking. |

4412 M

DC axial compact fan

Product drawing



Charts: Air flow

