

6424 H

# 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                     | 6424 H            |          |
|--------------------------|-------------------|----------|
| Nominal voltage          | VDC               | 24       |
| Nominal voltage range    | VDC               | 12 .. 28 |
| Speed                    | min <sup>-1</sup> | 4000     |
| Power input              | W                 | 26.0     |
| Min. ambient temperature | °C                | -20      |
| Max. ambient temperature | °C                | 55       |
| Air flow                 | m <sup>3</sup> /h | 480      |
| Sound power level        | B                 | 7.1      |
| Sound pressure level     | dB(A)             | 63       |

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



## Technical features

|  |  |
|--|--|
| <b>General description</b>                 | <p>Particular design features:<br/>Optional Vario-Pro: Highly flexible software configuration for the fan ensures an easily customisable solution to meet the individual requirements of your application.</p> <p>General features:<br/>Housing made of aluminium, impeller made of fibreglass-reinforced PA; housing with grounding lug for M4 x 8 screw (Torx). 48 V version incl. screws.<br/>Electronic commutation completely integrated.<br/>Protected against reverse polarity and locking.<br/>Electrical connection to flat plugs, 3 x 0.5 mm.<br/>Air exhaust over bars. Direction of rotation counter-clockwise seen on rotor.<br/>Mass: 760 g.</p> |
| <b>Mass</b>                                | 0.760 kg   |
| <b>Dimensions</b>                          | 172 x 150 x 51 mm  |
| <b>Material of impeller</b>                | Fibreglass-reinforced PA plastic   |
| <b>Housing material</b>                    | Aluminum. Housing with grounding lug for screw M4 x 8 (TORX).  |
| <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>               | 70000 h  |
| <b>Lifetime L10 at maximum temperature</b> | 50000 h  |
| <b>Connection line</b>                     | Flat plugs 3.0 x 0.5 mm.   |
| <b>Motor protection</b>                    | Protected against reverse polarity and locking.  |
| <b>Locked-rotor protection</b>             | Electronic blocking protection, with electronic motor current limit in the startup phase and when the rotor is blocked.  |
| <b>Approval</b>                            | VDE, CSA, UL, CE   |

## Product drawing



## Charts: Air flow

