

6424 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	6424 M	
Nominal voltage	VDC	24
Nominal voltage range	VDC	12 .. 32
Speed	min ⁻¹	2850
Power input	W	12.0
Min. ambient temperature	°C	-20
Max. ambient temperature	°C	72
Air flow	m ³ /h	350
Sound power level	B	6.0
Sound pressure level	dB(A)	52

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



Technical features

Dimensions	172 x 150 x 51 mm
General description	<p>Particular design features: 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: 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. Electronic commutation completely integrated. Protected against reverse polarity and locking. Electrical connection to flat plugs, 3 x 0.5 mm. Air exhaust over bars. Direction of rotation counter-clockwise seen on rotor. Mass: 760 g.</p>
Connection line	Flat plugs 3.0 x 0.5 mm.
Locked-rotor protection	Electronic blocking protection, with electronic motor current limit in the startup phase and when the rotor is blocked.
Direction of rotation	Left, looking at rotor
Direction of air flow	Air exhaust over bars
Bearing	Ball bearings
Lifetime L10 at 40 °C	80000 h
Lifetime L10 at maximum temperature	37500 h
Mass	0.760 kg
Housing material	Aluminum. Housing with grounding lug for screw M4 x 8 (TORX).
Material of impeller	Fibreglass-reinforced PA plastic
Motor protection	Protected against reverse polarity and locking.
Approval	VDE, CSA, UL, CE

Product drawing



Charts: Air flow

