6448 T

DC axial compact fan



ebm-papst St. Georgen GmbH & Co. KG
Hermann-Papst-Straße 1
D-78112 St. Georgen
Phone: +49(0)7724/81-0
Fax: +49(0)7724/81-1309
info2@de.ebmpapst.com
www.ebmpapst.com

Nominal data

Type	6448 T	
Nominal voltage	VDC	48
Nominal voltage range	VDC	28 .. 60
Speed	min^{-1}	3400
Power input	W	17.0
Min. ambient temperature	°C	-10
Max. ambient temperature	°C	72
Air flow	m^3/h	410
Sound power level	B	6.4
Sound pressure level	dB(A)	57

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

DC axial compact fan

Technical features

Dimensions	172 x 150 x 51 mm
General description	Diagonal fan with low noise when there is a high pressure saddle curve. Very rigid compression curve for high air flow at high counterpressure. Electronic commutation completely integrated.
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	77500 h
Lifetime L10 at maximum temperature	35000 h
Mass	0.760 kg
Housing material	Aluminum. Housing with grounding lug for screw M4 x 8 (TORX). 48 V version incl. screws.
Material of impeller	Fiberglass-reinforced PA plastic
Motor protection	Protected against reverse polarity and locking.
Approval	VDE, CSA, UL, CE

ebm-papst St. Georgen GmbH & Co. KG · Hermann-Papst-Straße 1 · D-78112 St. Georgen · Phone: +49(0)7724/81-0 · Fax: +49(0)7724/81-1309 · info2@de.ebmpapst.com · www.ebmpapst.com

DC axial compact fan

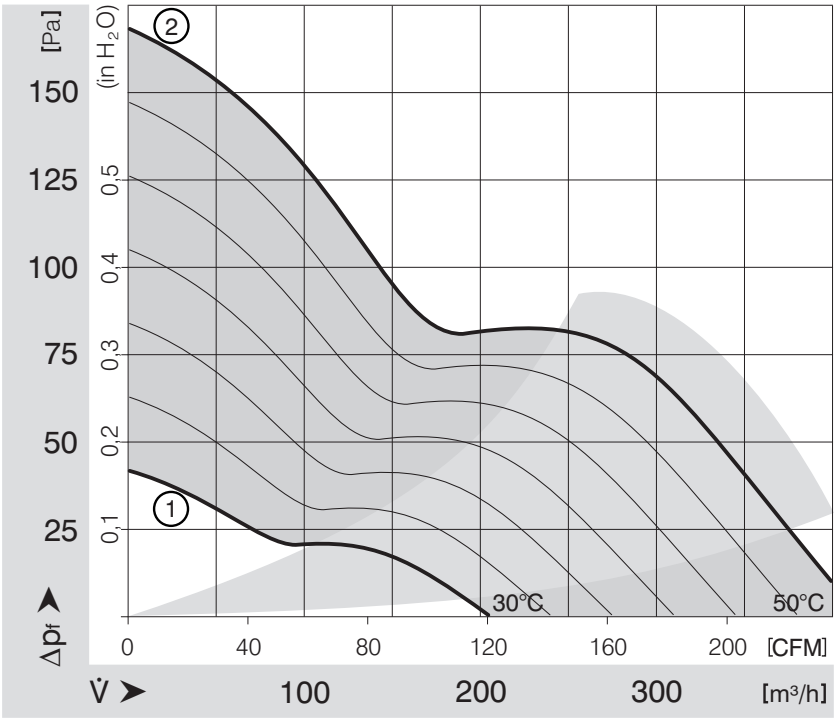
Product drawing



ebm-papst St. Georgen GmbH & Co. KG · Hermann-Papst-Straße 1 · D-78112 St. Georgen · Phone: +49(0)7724/81-0 · Fax: +49(0)7724/81-1309 · info2@de.ebmpapst.com · www.ebmpapst.com

DC axial compact fan

Charts: Air flow



ebm-papst St. Georgen GmbH & Co. KG · Hermann-Papst-Straße 1 · D-78112 St. Georgen · Phone: +49(0)7724/81-0 · Fax: +49(0)7724/81-1309 · info2@de.ebmpapst.com · www.ebmpapst.com