DC axial compact fan

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

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

DC axial compact fan

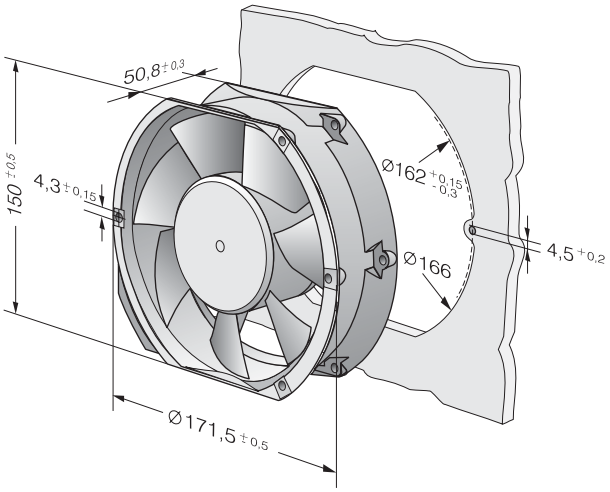
Technical description

General description	Housing with grounding lug for M4 x 8 screw (Torx) Power consumption when wide open; these values may be considerably higher at the operating point.
Weight	0.760 kg
Dimensions	172 x 150 x 51 mm
Impeller material	Glass-fiber reinforced PA plastic
Housing material	Die-cast aluminum
Airflow direction	Exhaust over struts
Direction of rotation	Counterclockwise, viewed toward rotor
Storage	Ball bearing
Service life L10 at 40 °C	70000 h
Service life L10 at maximum temperature	50000 h
Cable	Flat plug 3.0 x 0.5 mm.
Motor protection	Protection against reverse polarity and blocked rotor.
Locked-rotor protection	Electronic locked-rotor protection, with electronic motor current limitation during startup and when rotor is locked.
Approval	VDE, CSA, UL, CE
Option	Speed signal

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

DC axial compact fan

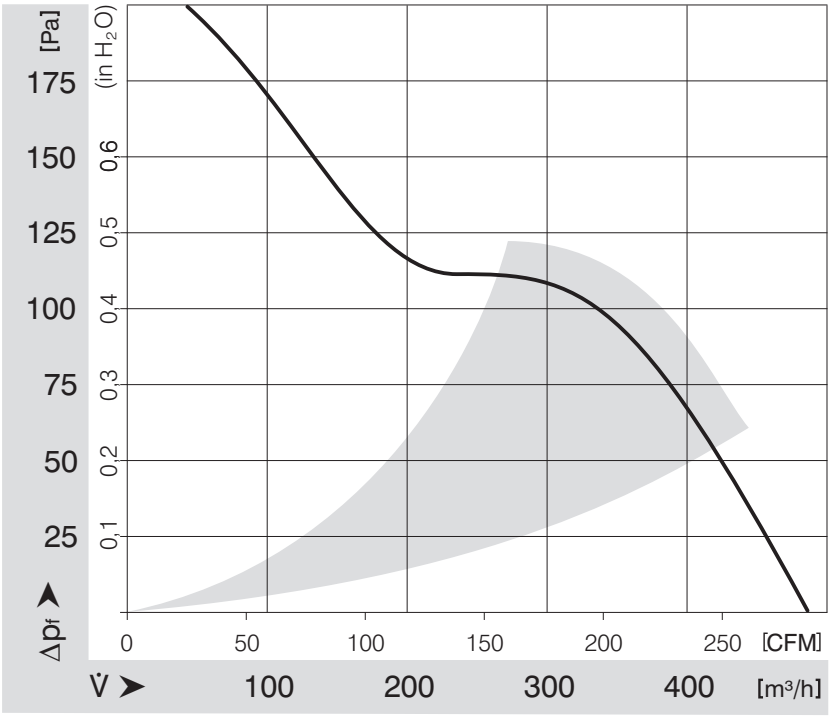
Product drawing



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

DC axial compact fan

Curves: Air performance



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