G1G140-AV17-02

EC centrifugal fan

forward curved, single inlet

with housing (flange)



ebm-papst Mulfingen GmbH & Co. KG
Bachmühle 2
D-74673 Mulfingen
Phone +49 7938 81-0
Fax +49 7938 81-110
info1@de.ebmpapst.com
www.ebmpapst.com

Nominal data

Type	**G1G140-AV17-02**	
Motor	**M1G055-CF**	
Nominal voltage	VDC	24
Nominal voltage range	VDC	16 .. 28
Type of data definition		rfa
Speed	min^{-1}	1750
Power input	W	54
Current draw	A	2.5
Max. ambient temperature	°C	60

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

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Technical features

General description	Integrated electronics
Size	140 mm
Operation mode	Continuous operation (S1)
Direction of rotation	Clockwise, seen on rotor
Mounting position	Any
Humidity class	F0
Insulation class	"B"
Cable exit	Axial
Motor bearing	Ball bearing
Mass	2.3 kg
Material of electronics housing	Rotor: Coated in black
Material of impeller	Hot-dip galvanized sheet steel
Motor protection	Reverse polarity and locked-rotor protection
Type of protection	IP 22
Protection class	I
Technical features	Control input 0-10 VDC / PWM, tach output, polarity and locked rotor protection

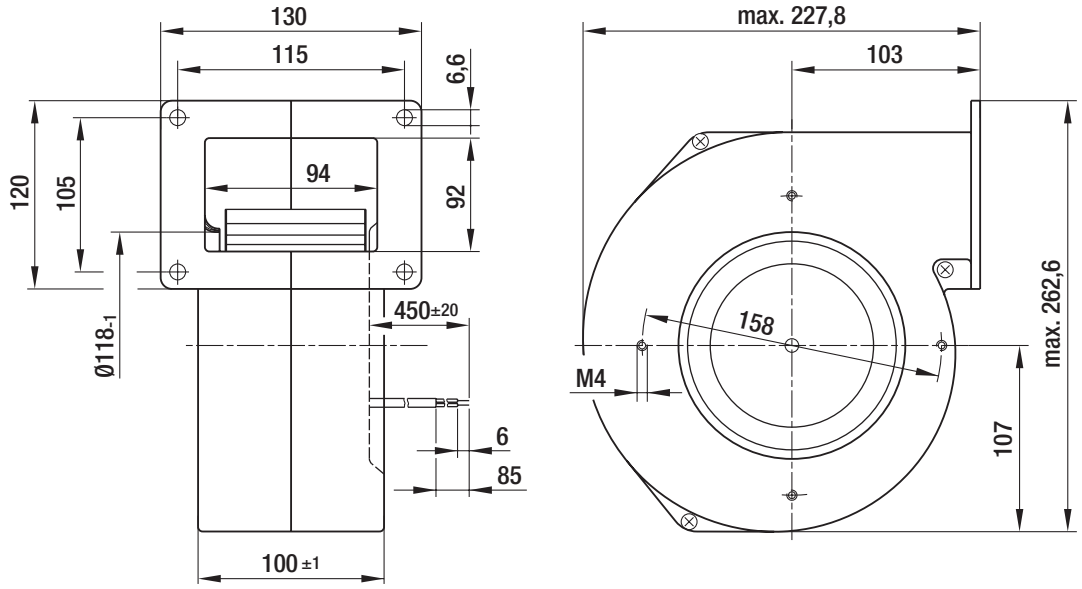
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Product drawing



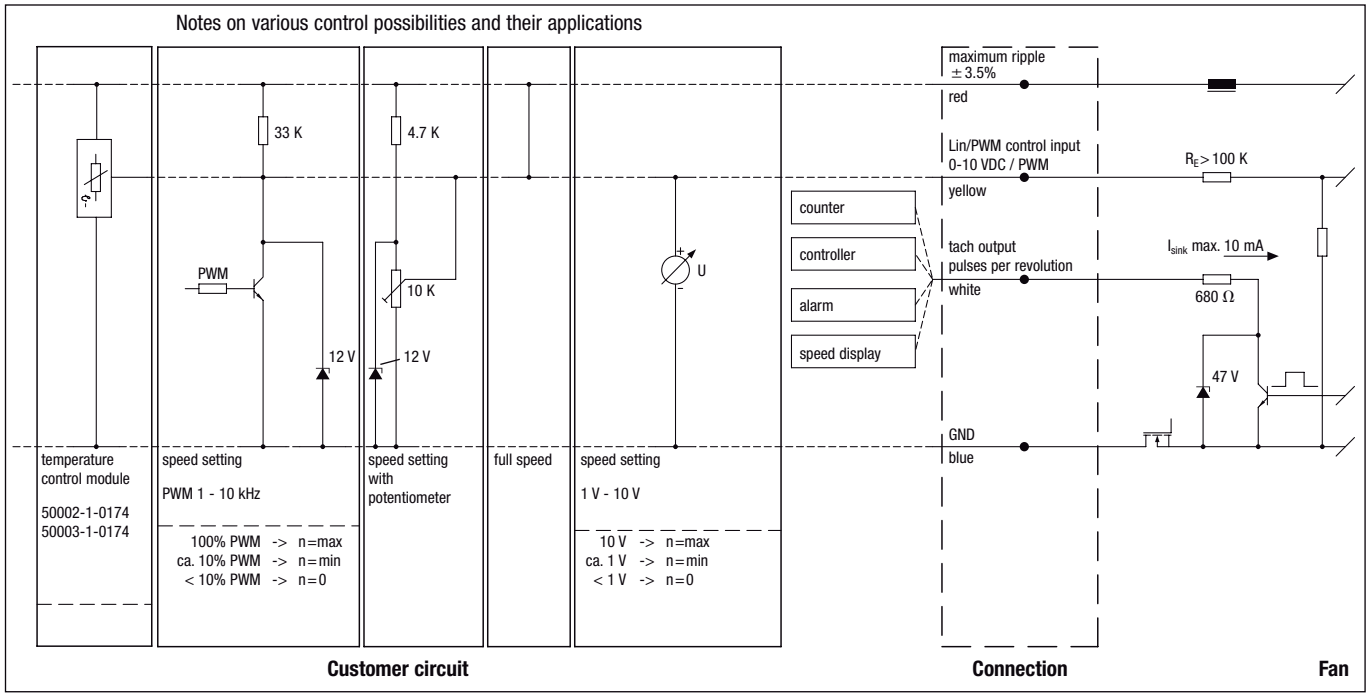
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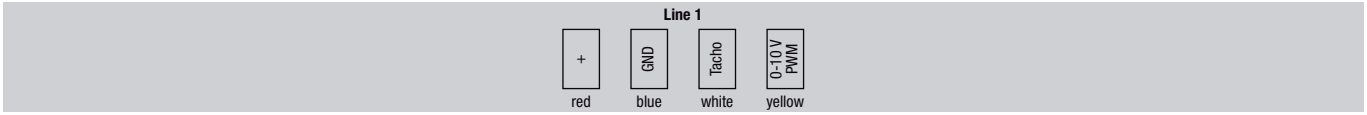
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Connection screen





Line	Signal	Colour	Assignment / function
1	+	red	maximum ripple ± 3.5 %
	GND	blue	GND

Line	Signal	Colour	Assignment / function
1	Tacho	white	Tach output: pulses per revolution
	0-10 V / PWM	yellow	Control input

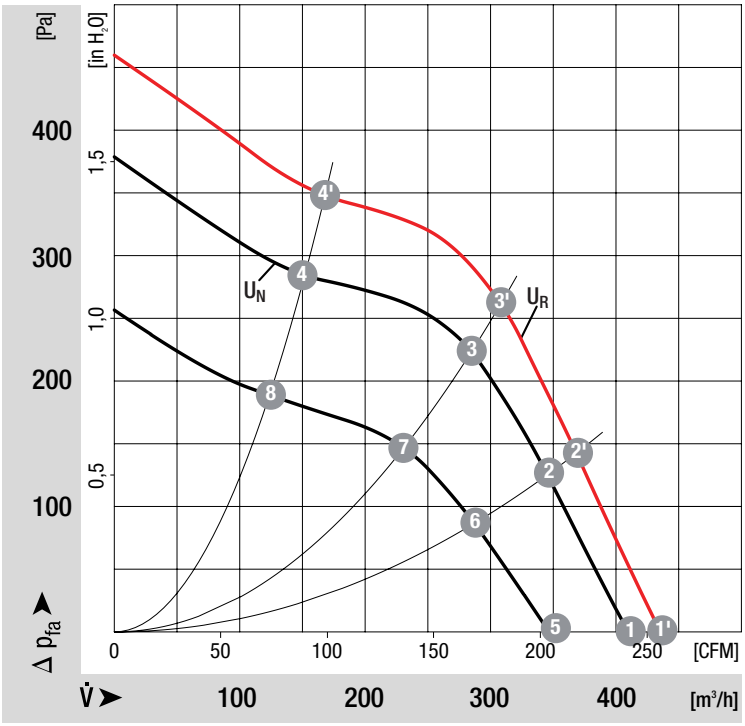
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Charts: Air flow



Measured values

	n	P_e
	min^{-1}	W
1'	1850	65
2'	2020	61
3'	2200	57
4'	2550	43
1	1750	54
2	1900	50
3	2030	45
4	2310	32
5	1500	34
6	1580	29
7	1670	25
8	1880	19

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