A1G200-AI01-52

EC axial fan

sickled blades (S series)

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Nominal data

Type	**A1G200-AI01-52**
Motor	**M1G074-BF**

Nominal voltage	[VDC]	48
Nominal voltage range	[VDC]	36 .. 57
Type of data definition		rfa
Speed	[min^{-1}]	2950
Power input	[W]	55
Current draw	[A]	1.3
Max. back pressure	[Pa]	120
Min. ambient temperature	[°C]	- 25
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

Size	200 mm
Operation mode	Continuous operation (S1)
Direction of rotation	"A"
Mounting position	Any
Insulation class	"B"
Cable exit	Variable
Bearing motor	Ball bearing
Mass	1.5 kg
Material of electronics housing	Rotor: Coated in black
Material of impeller	Sheet steel, coated in black
Motor protection	Reverse polarity and locked-rotor protection
Number of blades	9
Type of protection	IP 42
Protection class	I
Technical features	Control input 0-10 VDC / PWM, tach output, polarity and locked rotor protection
Approval	CSA C22.2 Nr.77; UL 1004-1

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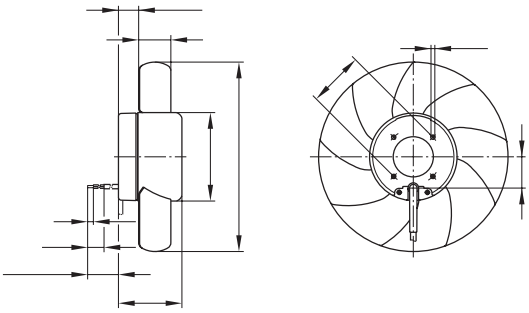
Product drawing



“A”>

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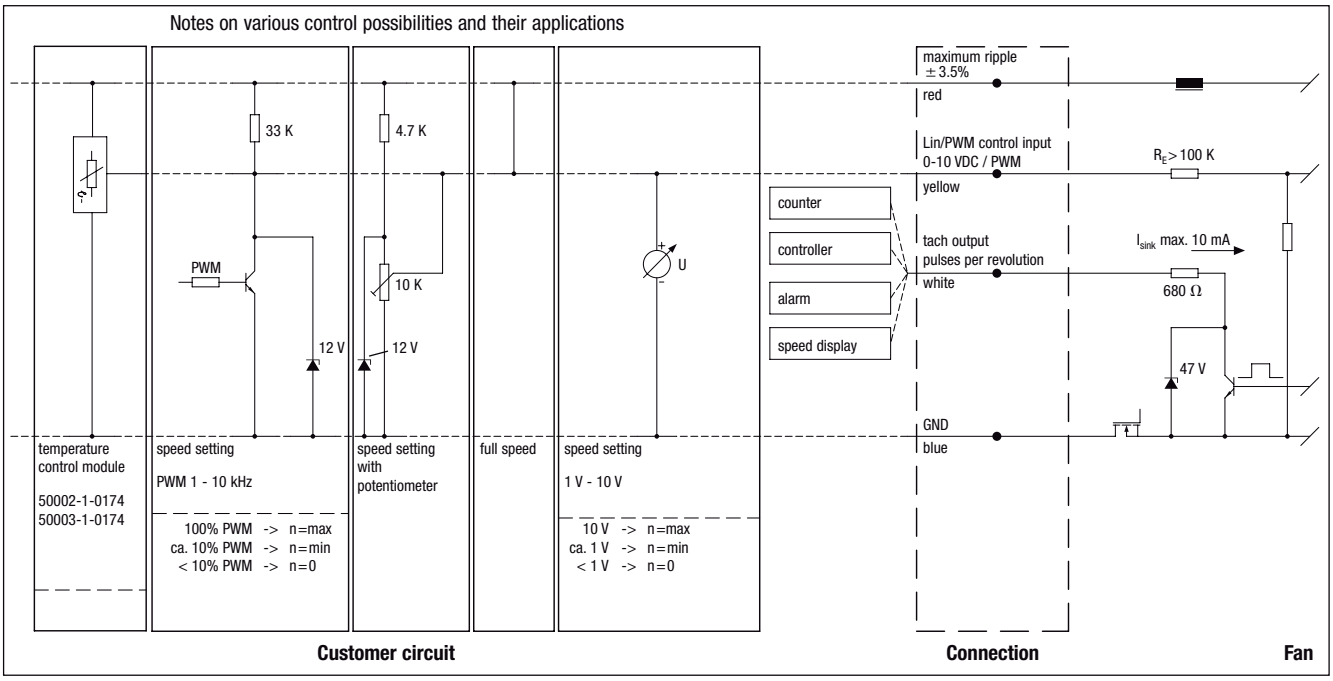
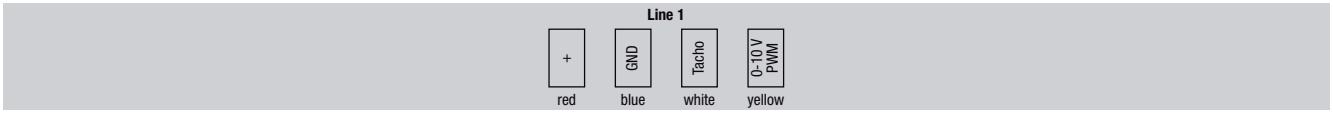
Connection screen





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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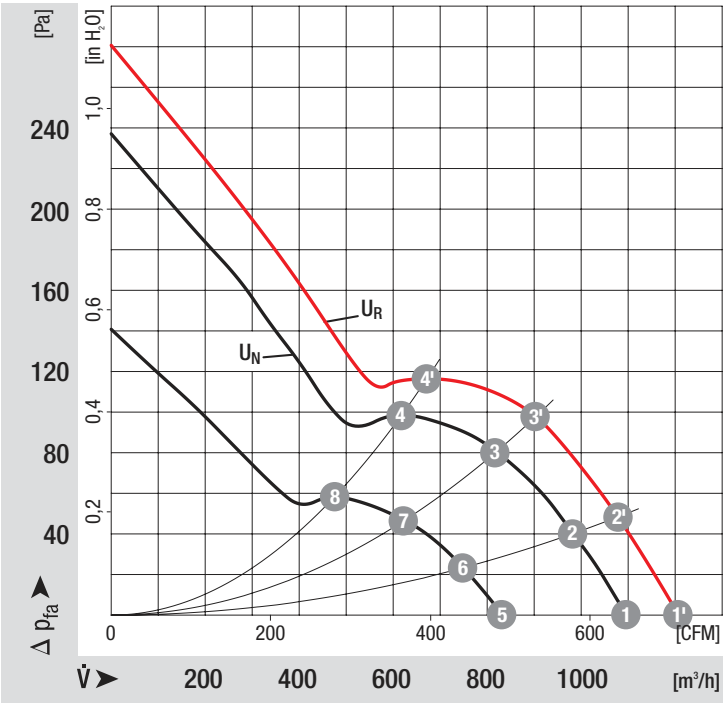
Charts: Air flow



Measured values

	n	P_1	η_{TL}
	[min-1]	[W]	[%]
1'	2300	73	
2'	2970	77	67
3'	3100	80	64
4'	2970	80	54
1	2950	55	
2	2890	58	67
3	2800	61	64
4	2780	63	54
5	2270	27	
6	2230	28	67
7	2170	29	64
8	2130	30	54

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