

EC centrifugal fan

backward curved, single inlet

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Nominal data

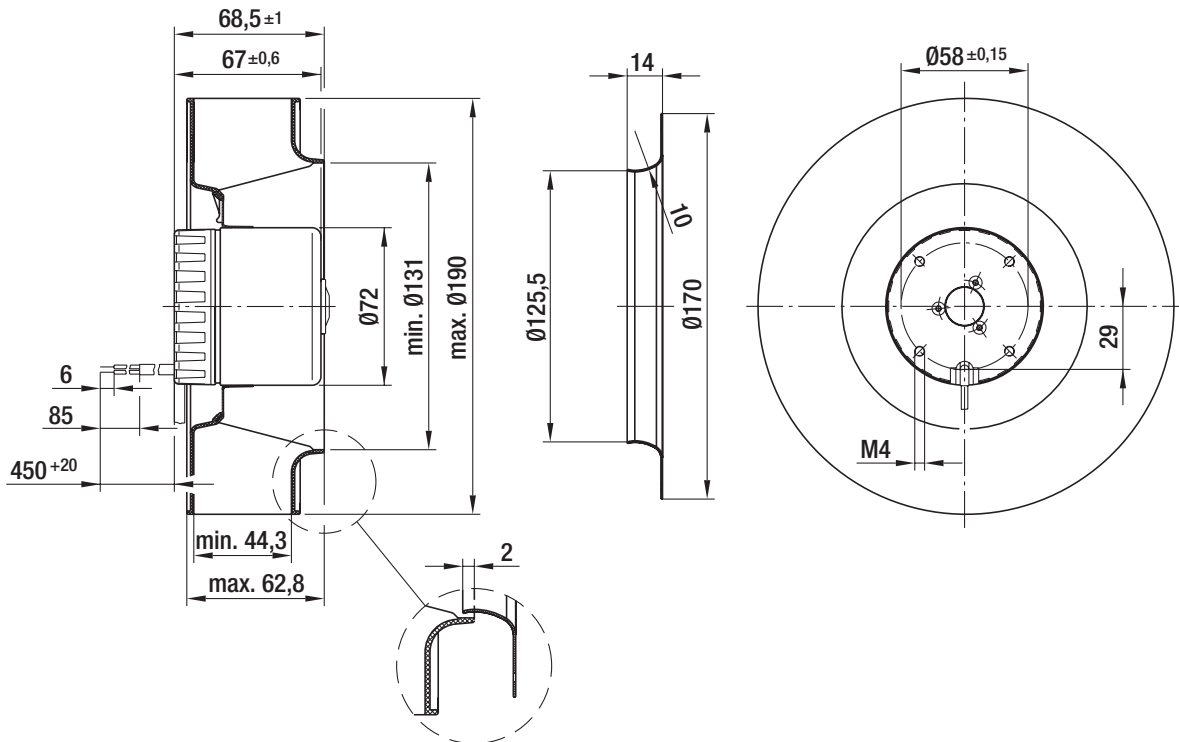
Type	R1G190-AB25-02	
Motor	M1G055-CF	
Nominal voltage	VDC	48
Nominal voltage range	VDC	36 .. 57
Type of data definition		rfa
Speed	min ⁻¹	2950
Power input	W	51
Current draw	A	1.2
Max. ambient temperature	°C	40

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

Technical features

Size	190 mm
Operation mode	Continuous operation (S1)
Direction of rotation	Clockwise, seen on rotor
Mounting position	Any
Humidity class	F0
Insulation class	"B"
Cable exit	Variable
Motor bearing	Ball bearing
Mass	1.0 kg
Material of electronics housing	Rotor: Coated in black
Material of impeller	PA plastic 6.6, fiberglass-reinforced
Motor protection	Reverse polarity and locked-rotor protection
Number of blades	7
Type of protection	IP 22
Protection class	I
Technical features	Control input 0-10 VDC / PWM, tach output, polarity and locked rotor protection
Approval	CCC

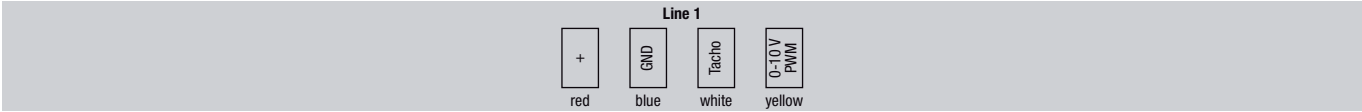
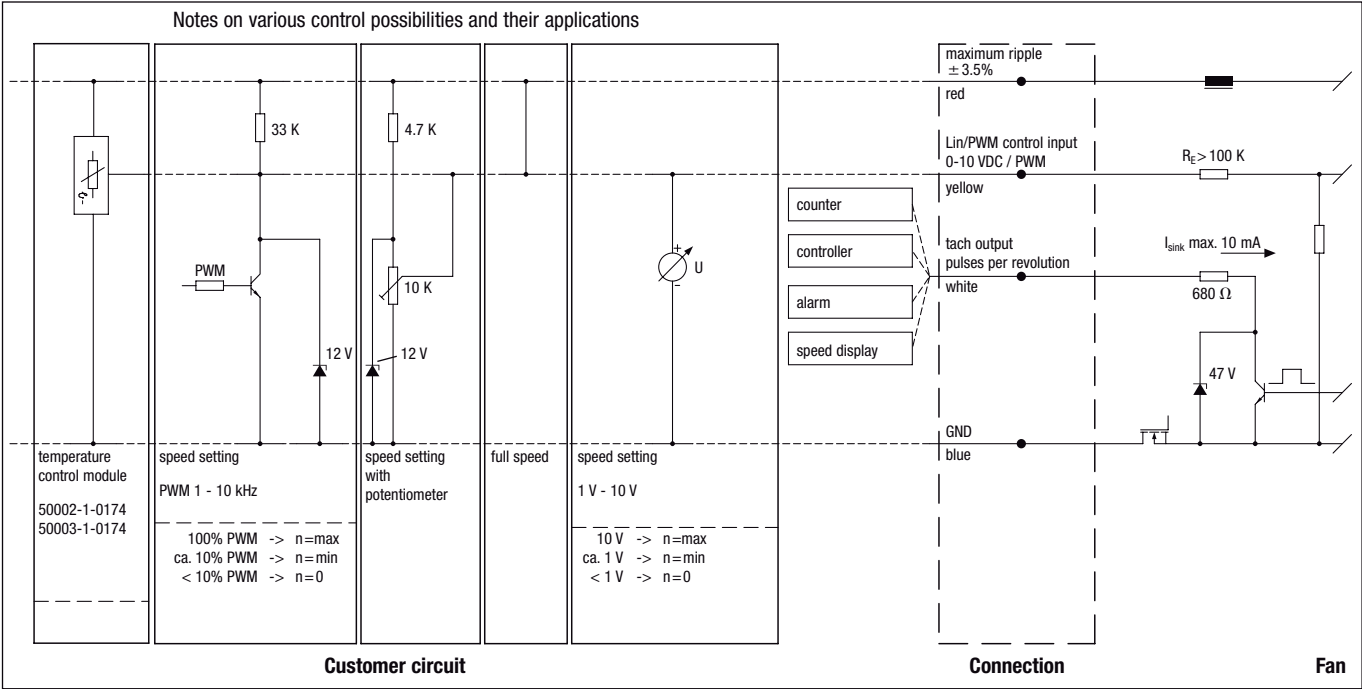
Product drawing



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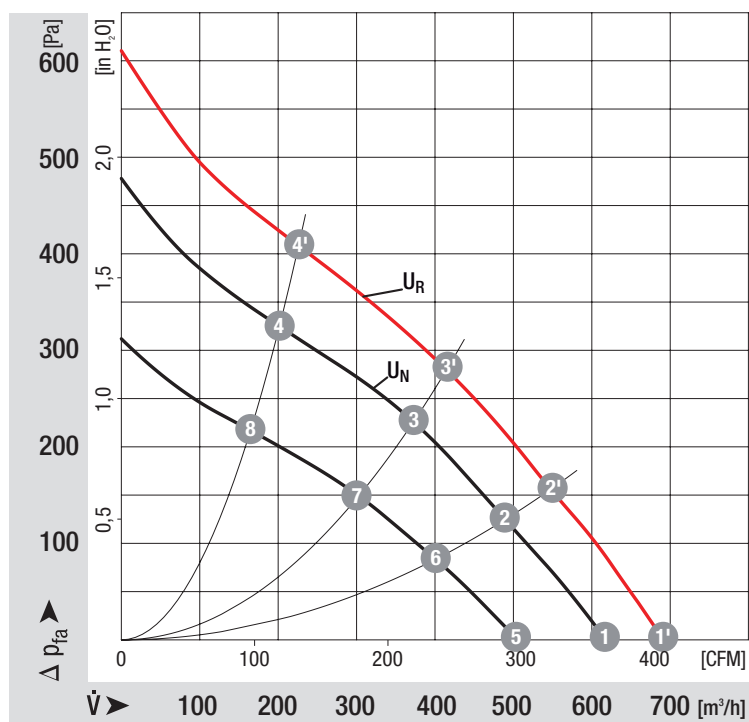
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Connection screen



Line	Signal	Colour	Assignment / function	Line	Signal	Colour	Assignment / function
1	+	red	maximum ripple $\pm 3.5\%$	1	Tacho	white	Tach output: pulses per revolution
	GND	blue	GND		0-10 V / PWM	yellow	Control input

Charts: Air flow



Measured values

	n	P _e
	min ⁻¹	W
1'	3300	71
2'	3200	75
3'	3160	77
4'	3290	72
1	2950	51
2	2870	54
3	2830	56
4	2940	51
5	2390	28
6	2340	30
7	2320	31
8	2390	28