

EC centrifugal fan

backward curved, single inlet

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Nominal data

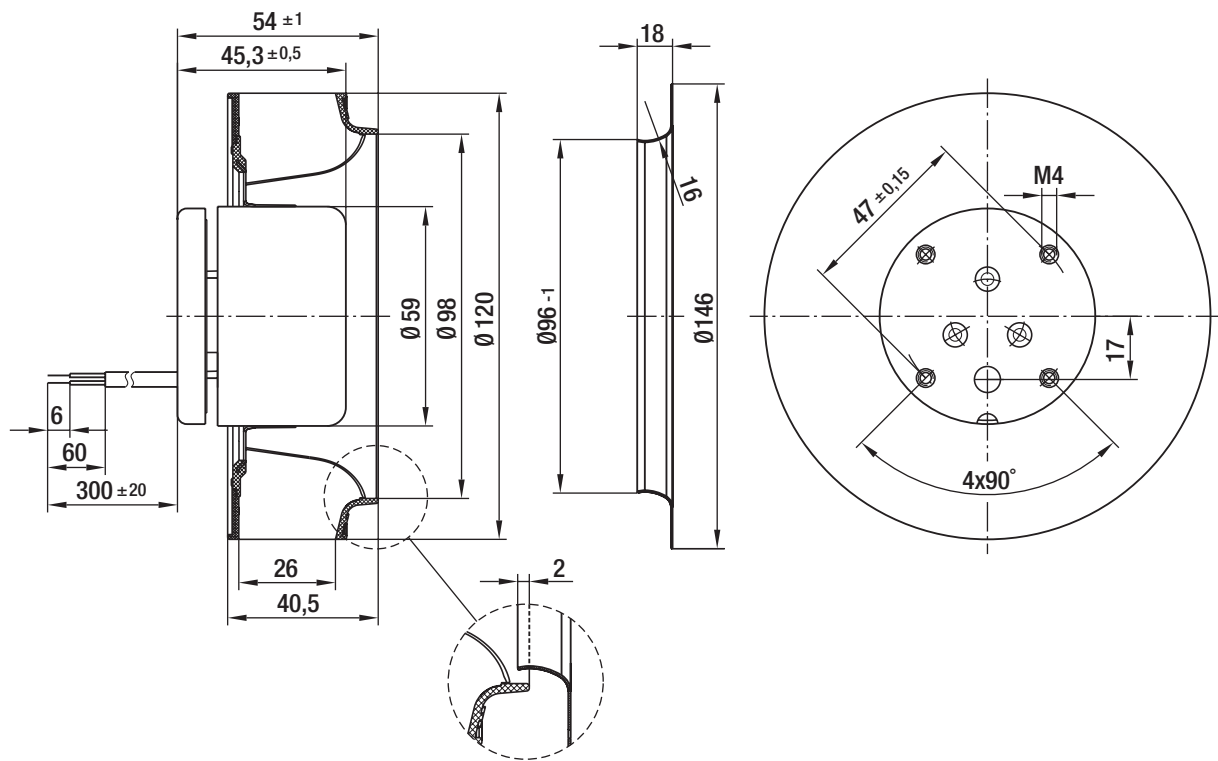
Type	R1G120-AD11-02	
Motor	M1G045-BE	
Nominal voltage	VDC	48
Nominal voltage range	VDC	36 .. 57
Type of data definition		rfa
Speed	min ⁻¹	4060
Power input	W	26
Current draw	A	0.6
Max. ambient temperature	°C	50

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

Technical features

Size	120 mm
Operation mode	Continuous operation (S1)
Direction of rotation	Clockwise, seen on rotor
Mounting position	Any
Insulation class	"B"
Cable exit	Axial
Motor bearing	Ball bearing
Mass	0.5 kg
Material of electronics housing	Rotor: Galvanized
Material of impeller	PA plastic 6.6, fiberglass-reinforced
Motor protection	Reverse polarity and locked-rotor protection
Number of blades	9
Type of protection	IP 20
Protection class	I
Technical features	Control input 0-10 VDC / PWM, tach output, polarity and locked rotor protection
Approval	CCC; CSA C22.2 Nr.113; UL 507

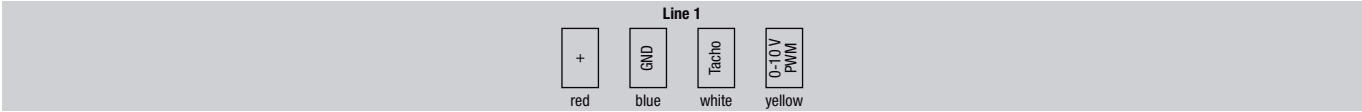
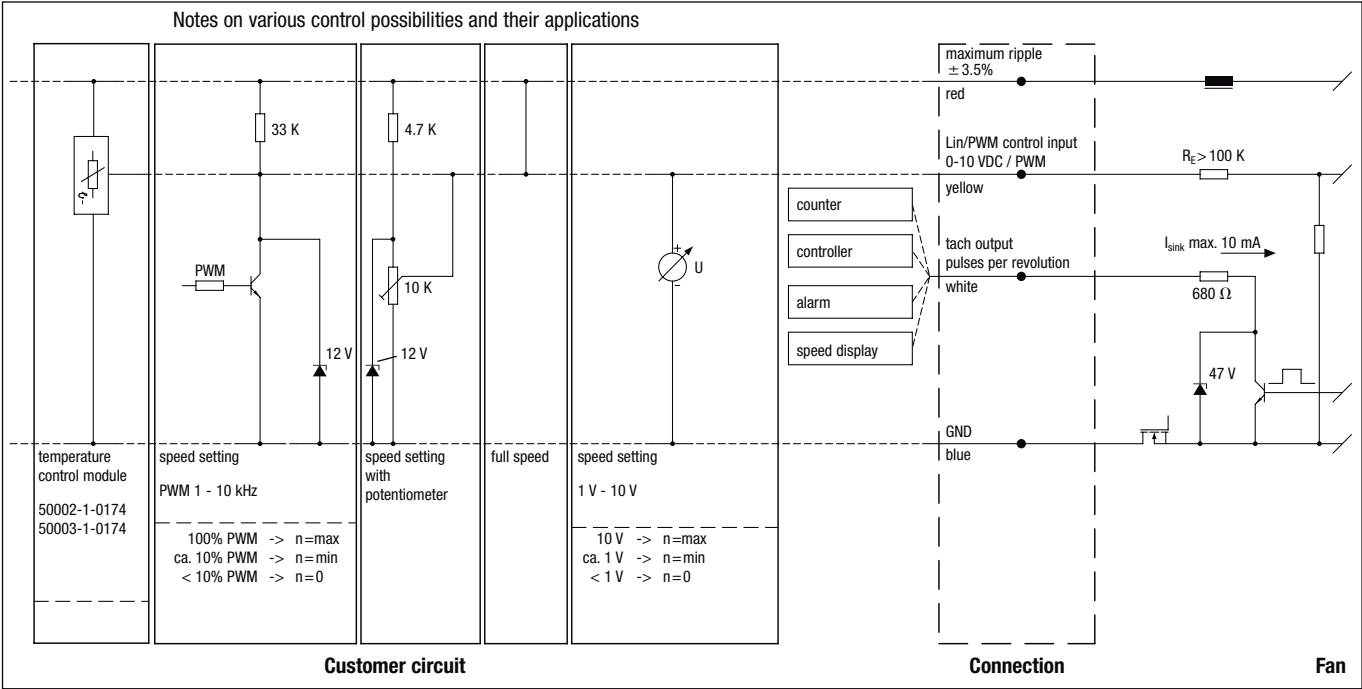
Product drawing



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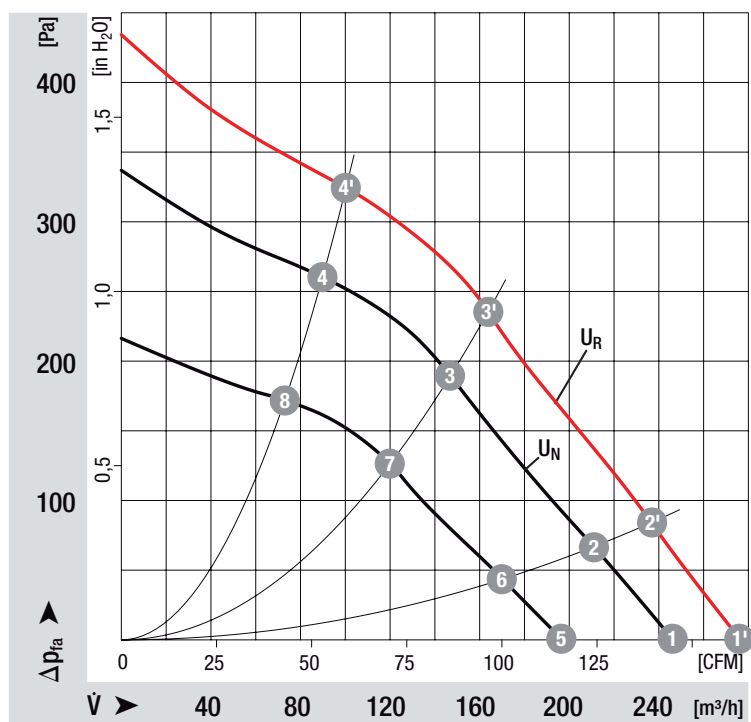
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Connection screen



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'	4520	36
2'	4500	36
3'	4540	36
4'	4750	32
1	4060	26
2	4000	26
3	4050	26
4	4200	23
5	3270	14
6	3250	14
7	3280	14
8	3400	13