

R3G400-AC13-30

EC centrifugal fan

backward curved, single inlet

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Nominal data

Type	R3G400-AC13-30	
Motor	M3G084-FA	
Nominal voltage	VDC	48
Nominal voltage range	VDC	36 .. 57
Type of data definition		rfa
Speed	min ⁻¹	1160
Power input	W	192
Current draw	A	3.9
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

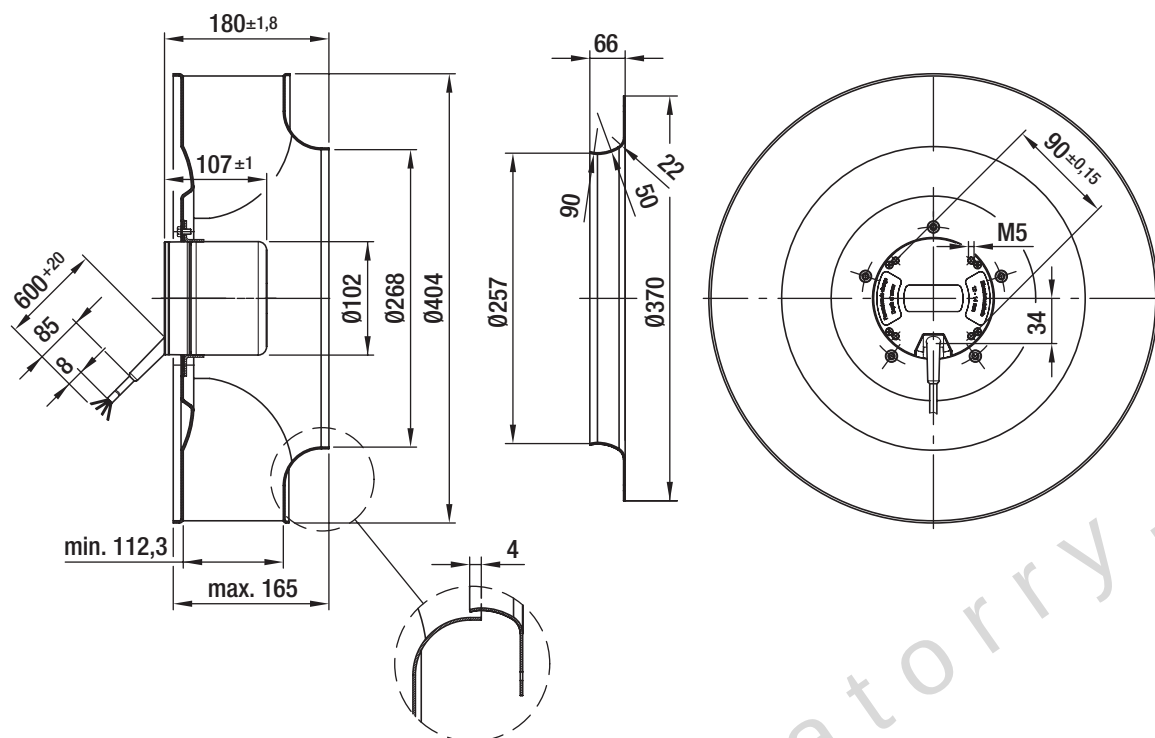
Size	400 mm
Operation mode	Continuous operation (S1)
Direction of rotation	Clockwise, seen on rotor
Mounting position	Any
Insulation class	"B"
Cable exit	Variable
Motor bearing	Ball bearing
Mass	5.3 kg
Material of electronics housing	Rotor: Coated in black
Material of impeller	Aluminum sheet, joined by tabs
Motor protection	Thermal overload protector (TOP) wired internally
Number of blades	6
Type of protection	IP 42
Protection class	I
Technical features	Control input 0-10 VDC / PWM, tach output, over-temperature protected motor, polarity and locked rotor protection
Approval	CCC; CSA C22.2 Nr.77; UL 2111

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Product drawing

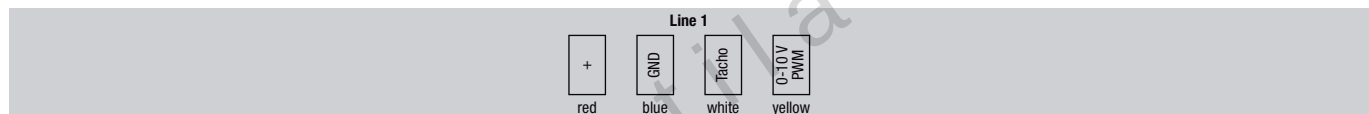
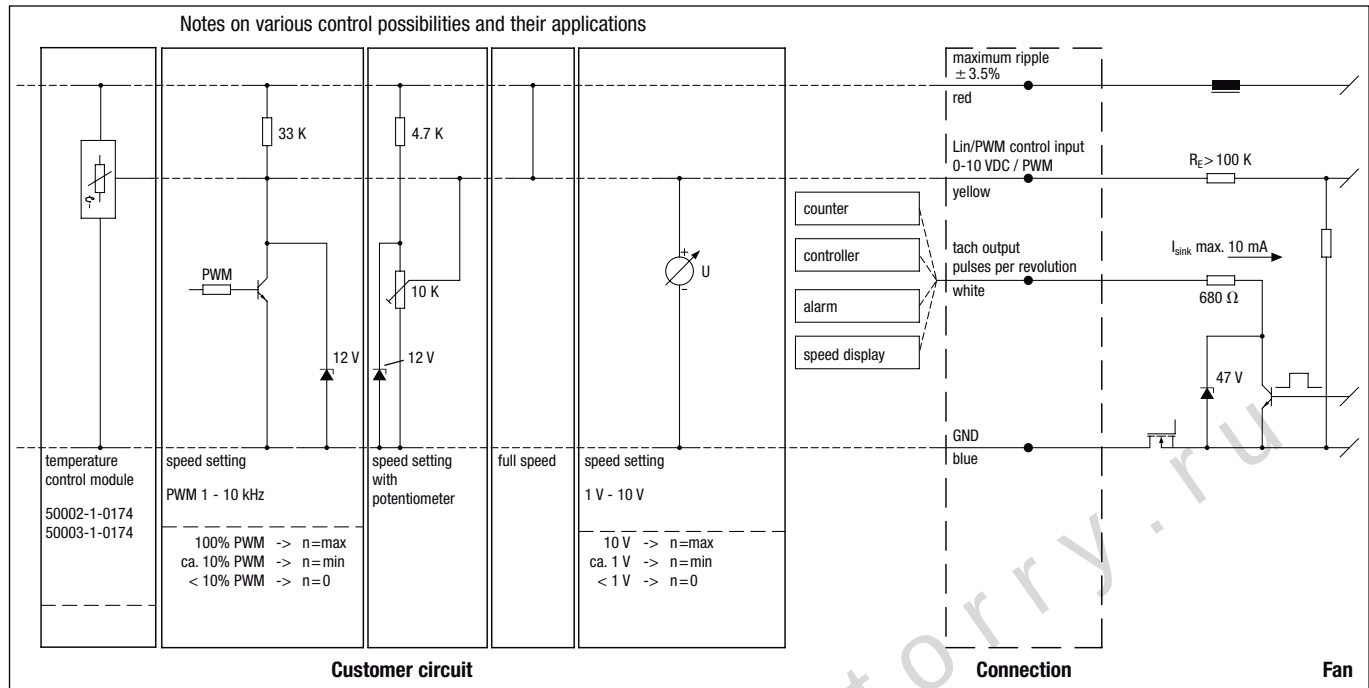


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Connection screen



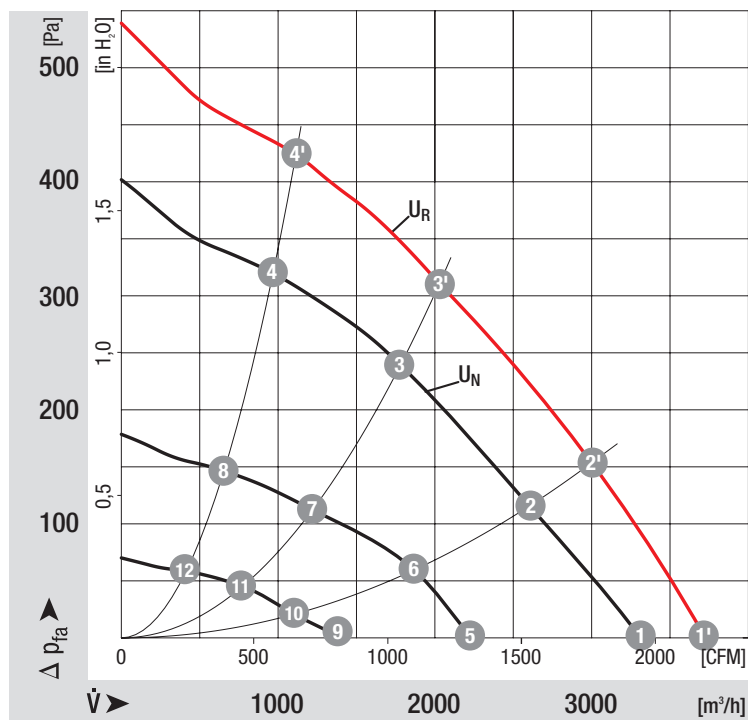
Line	Signal	Colour	Assignment / function	Line	Signal	Colour	Assignment / function
1	+	red	maximum ripple $\pm 3.5\%$	1	Tacho	white	Tach output: pulses per revolution
	GND	blue	GND		0-10 V / PWM	yellow	Control input

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Charts: Air flow



Measured values

	n	P _e
	min ⁻¹	W
1'	1325	287
2'	1300	340
3'	1300	335
4'	1345	268
1	1160	192
2	1140	227
3	1140	210
4	1170	177
5	795	62
6	785	74
7	780	69
8	795	59
9	500	15
10	500	19
11	500	21
12	505	18