

A1G175-H63

SOUTHERFLY DC CENTRIFUGAL FAN

Diameter 175mm



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Nominal data

Type	A1G175-H63	
Motor	AN72DC-N	
Voltage	[VDC]	48
Voltage range	[VDC]	36 .. 57
Speed	[min ⁻¹]	3100±5%
Power input	[W]	34±5%
Current draw	[A]	0.7±5%
Airflow	[CFM]	358
Static Pressure	[Pa]	398
Perm. amb. Temp.	[°C]	-25~80
Max Perm. Oper. Temp.	[°C]	-20~60

Parameter

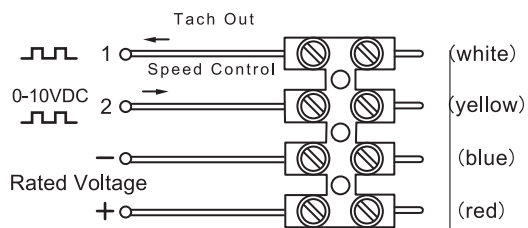
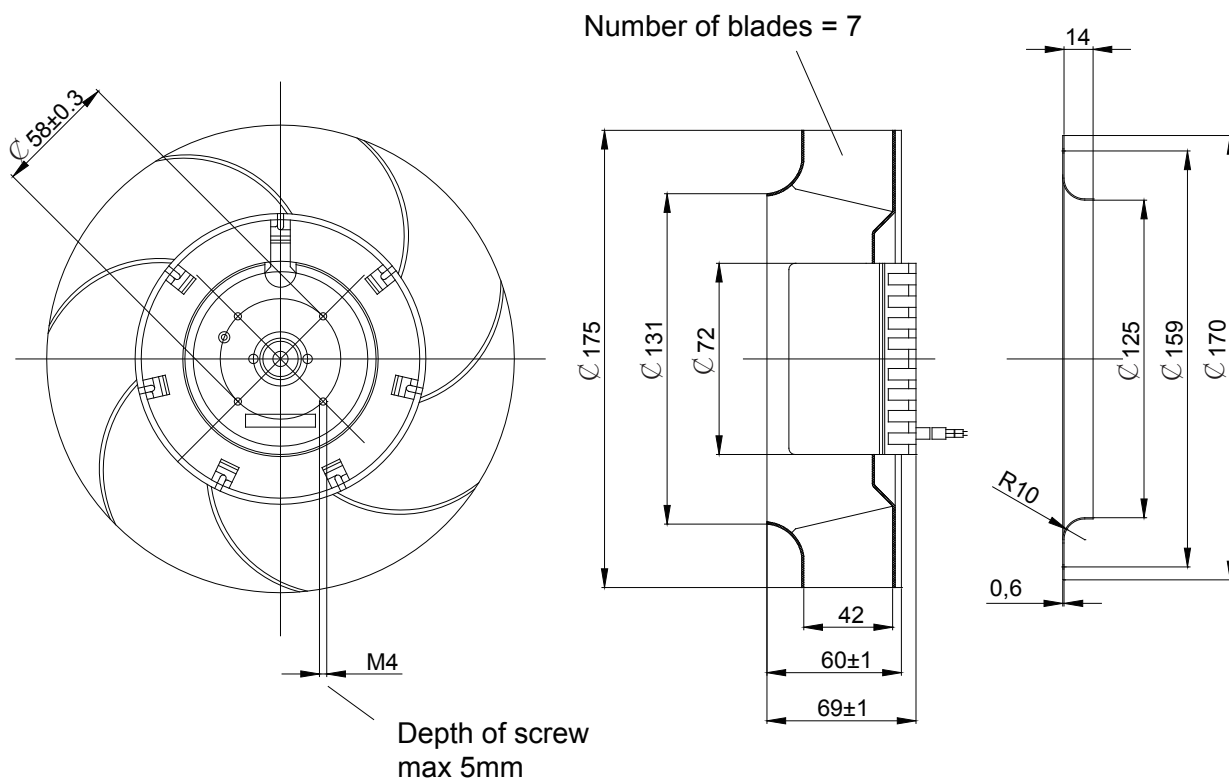
current leakage	<= 0,25 mA
Specification	175mm*42mm
Operation mode	continuous operation S1
Direction of rotation	clockwise, seen on rotor
Mounting position	at will
Insulation class	"B"
Cable exit	any
Bearing	ball bearing (NMB)
Net weight	1.0 kg
Surface of rotor	electrophoresis
Operation life	>=50,000 hours
Motor protection	locked-rotor protection, over-current protection
Number of blades	7
Type of protection	IP 44
Protection class	I
Speed control	0-10 VDC / PWM, tach output
Approval	CE

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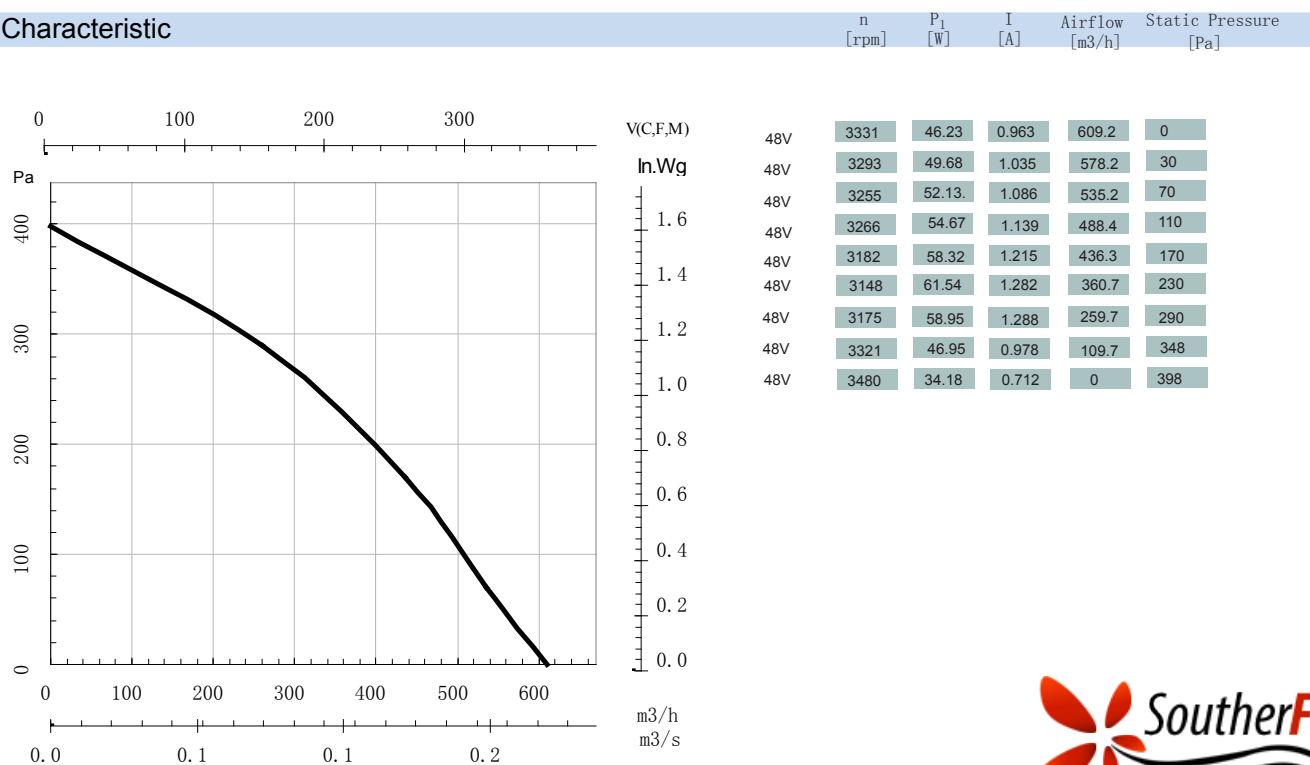
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Drawing



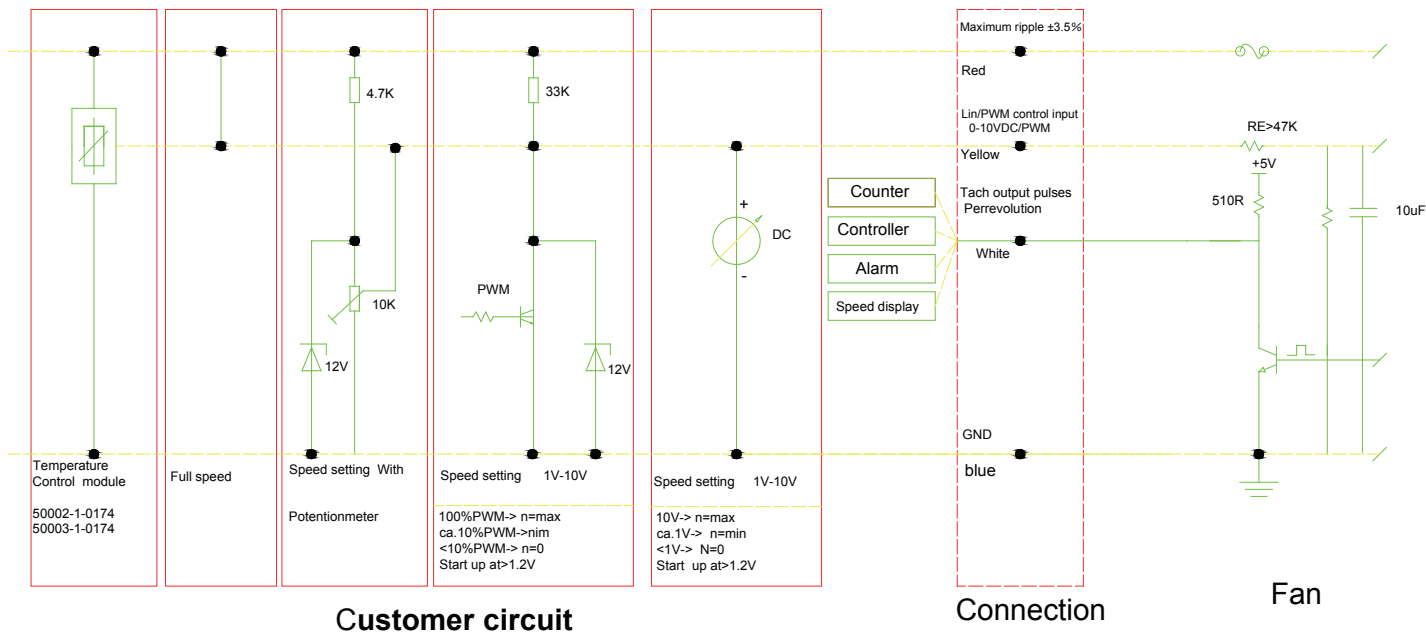
Characteristic



EC motors

Electrical connections EC

Ec motors(nominal 24/48 VDC)



Line	signal	colour	Assignment/function
-	+	red	Maximum ripple $\pm 3.5\%$
	GND	BLUE	GND

Line	Signal	Colour	Assignment/function
1	Tacho	White	Tach output: 2 pulses/revolution for 72mm motor 4 pulses/revolution for 92mm motor
	0-10V/PWM	yellow	Control input (Lmpedance)

Line1

