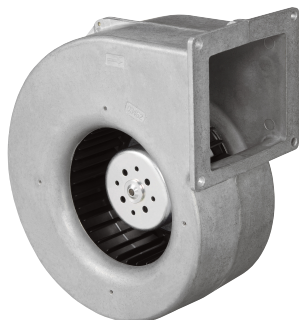


G3G140-AW21-12

EC centrifugal fan

forward curved, single inlet
with housing (flange)



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Nominal data

Type	G3G140-AW21-12	
Motor	M3G055-CF	
Nominal voltage	[VAC]	115
Frequency	[Hz]	50/60
Type of data definition		ml
Speed	[min ⁻¹]	2370
Power input	[W]	70
Current draw	[A]	1
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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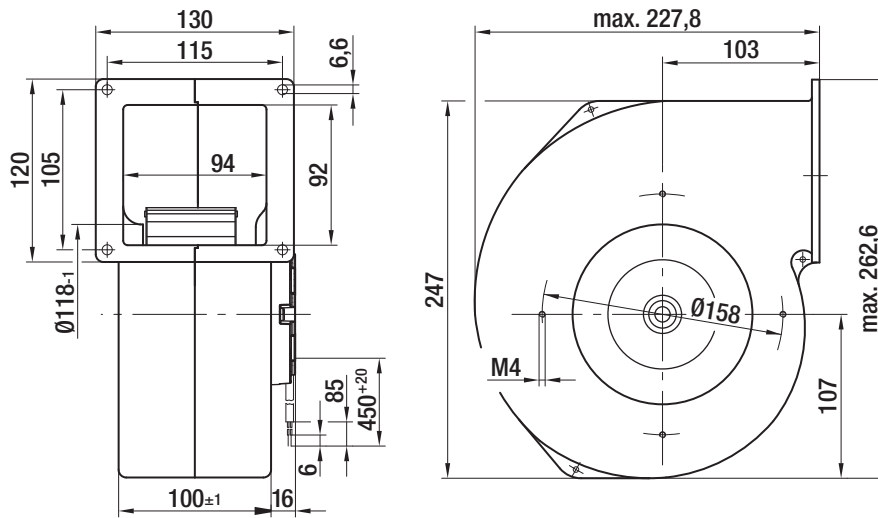
Technical features

Leackage current	<= 3,5 mA
General description	Integrated electronics
Size	140 mm
Operation mode	Continuous operation (S1)
Direction of rotation	Clockwise, seen on rotor
Mounting position	Any
Insulation class	"B"
Cable exit	Variable
Bearing motor	Ball bearing
Mass	2.6 kg
Material of electronics housing	Rotor: Galvanized
Material of impeller	PP plastic
Motor protection	Thermal overload protector (TOP) wired internally
Type of protection	IP 44
Protection class	I
Technical features	Input for set value for line 0-10 VDC / PWM (1.7 V = 50 m ³ /h, 10V = 300 m ³ /h), output 10 VDC max. 1.1 mA, tach output, locked rotor protection
Approval	GOST

EC centrifugal fan

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with housing (flange)

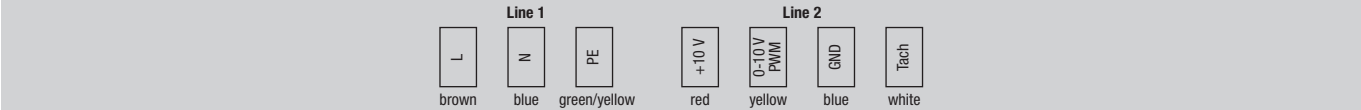
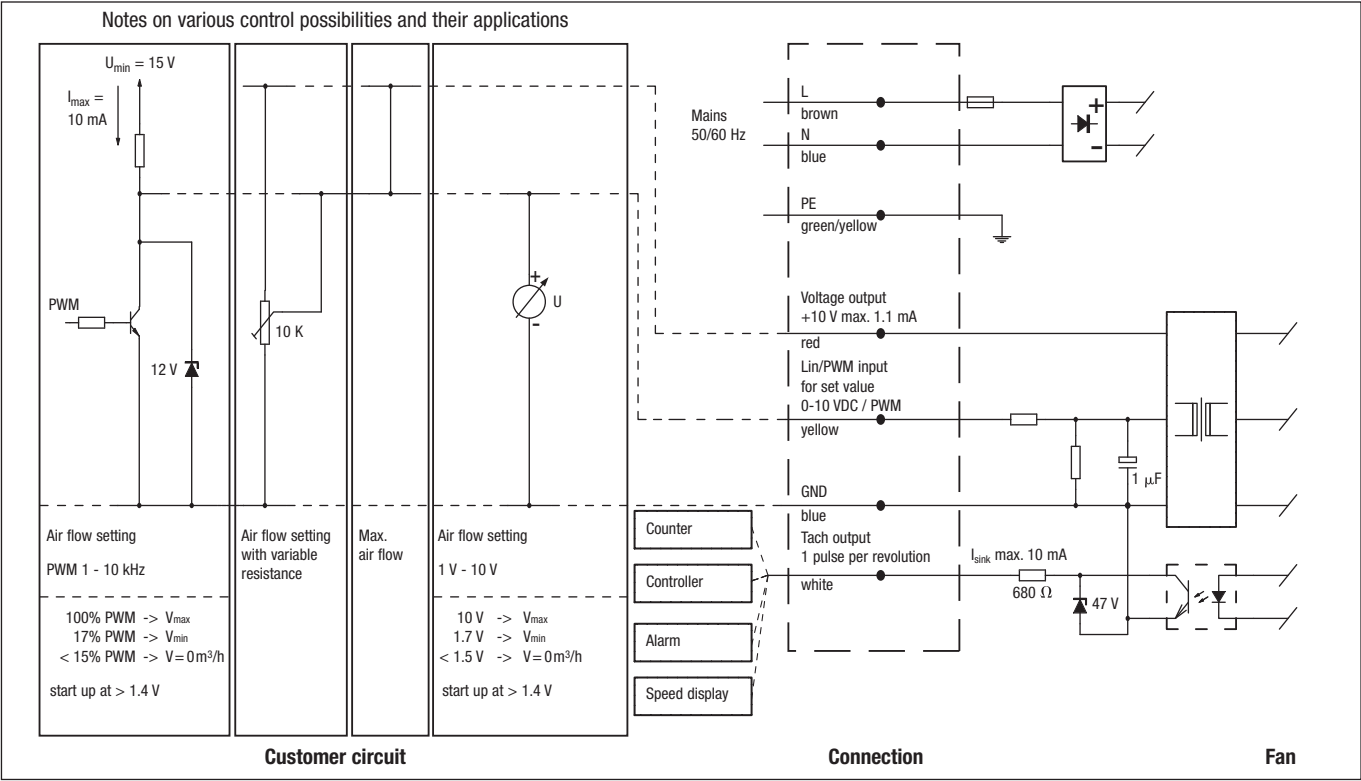
Product drawing



EC centrifugal fan

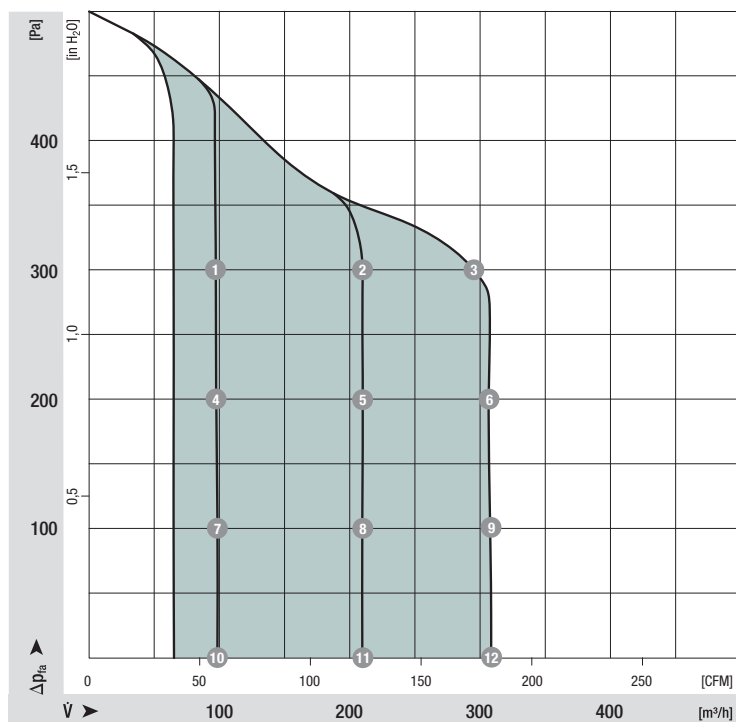
forward curved, single inlet
with housing (flange)

Connection screen



Line	Connection	Colour	Assignment / function	Line	Connection	Colour	Assignment / function
1	L	brown	Mains 50/60 Hz, phase	2	+10 V	red	Voltage output +10 V max. 1.1 mA
	N	blue	Mains 50/60 Hz, neutral		0-10 V / PWM	yellow	Input for set value (impedance 100 kΩ)
	PE	green/yel	Protective earth		GND	blue	GND
					Tach	white	Tach output: 1 pulse per revolution

Charts: Air flow



Measured values

	n	P ₁	I	η _{TL}
	[min ⁻¹]	[W]	[A]	[%]
1	2390	29	0.40	37
2	2450	55	0.80	50
3	2460	67	1.00	57
4	1920	17	0.30	38
5	1960	30	0.70	54
6	2130	55	0.80	55
7	1300	9	0.20	36
8	1550	22	0.30	48
9	1760	40	0.60	48
10	440	3	0.10	
11	880	9	0.15	
12	1340	25	0.40	