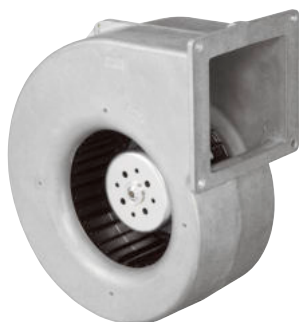


G3G140-AW21-12

EC centrifugal fan

forward curved, single inlet
with housing (flange)



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Nominal data

Type	G3G140-AW21-12	
Motor	M3G055-CF	
Phase		1~
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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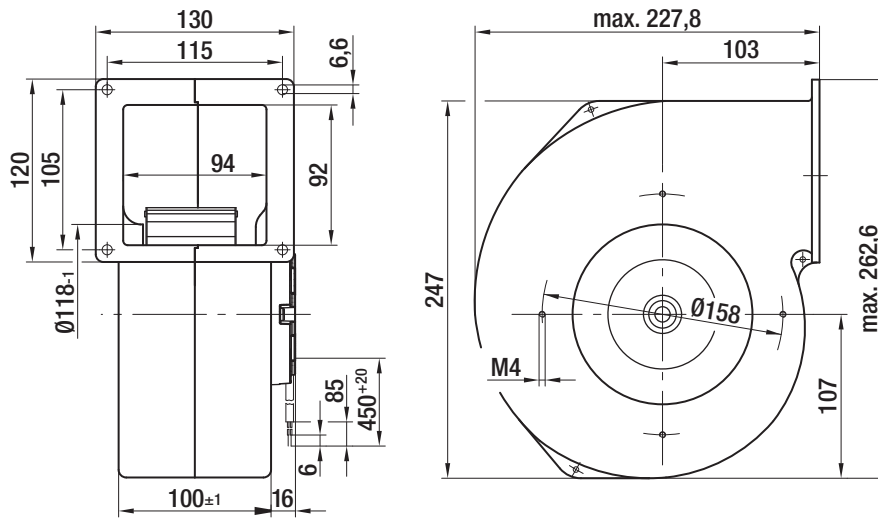
Technical features

Leakage 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
Humidity class	F3-1
Insulation class	"B"
Cable exit	Variable
Motor bearing	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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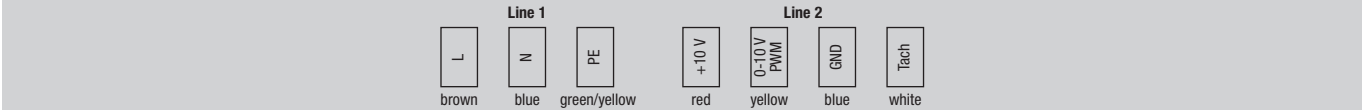
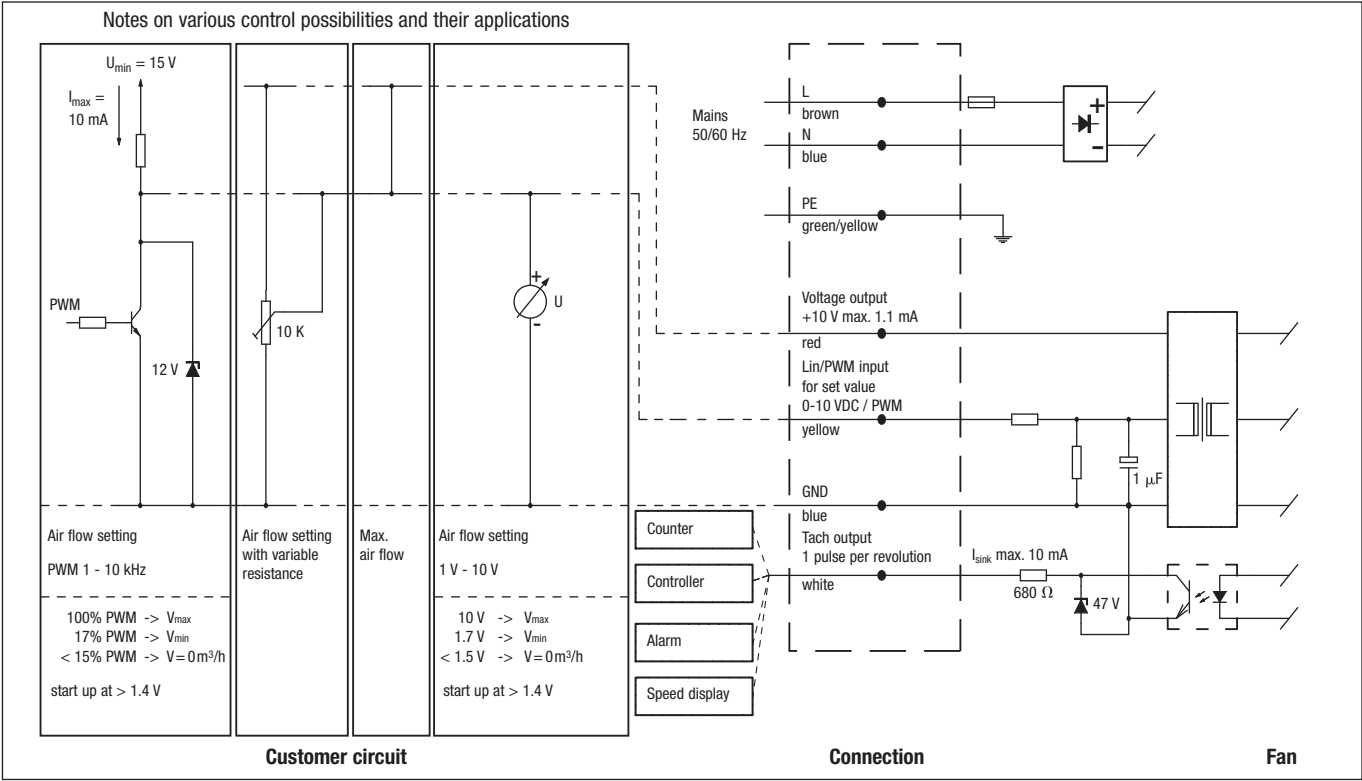
Product drawing



EC centrifugal fan

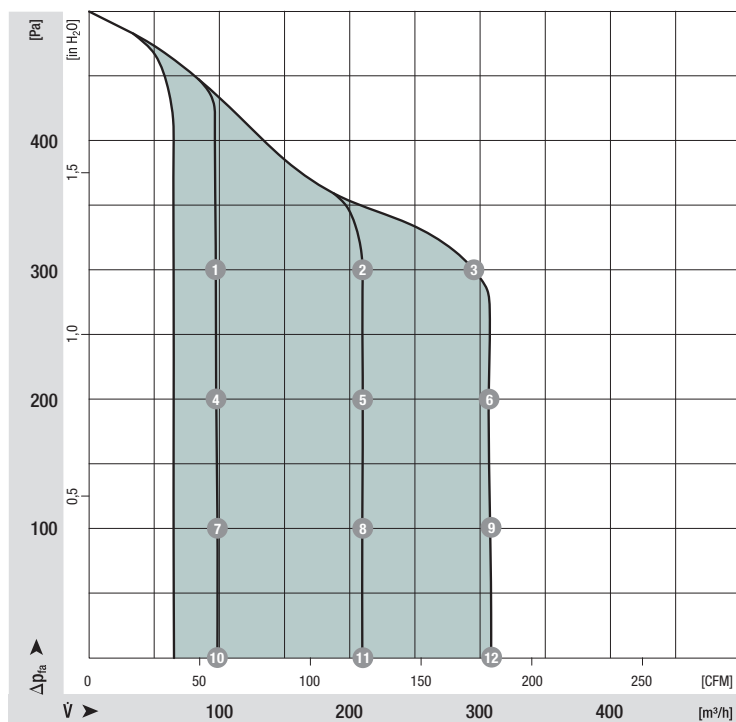
forward curved, single inlet
with housing (flange)

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_e	I
	min ⁻¹	W	A
1	2390	29	0.40
2	2450	55	0.80
3	2460	67	1.00
4	1920	17	0.30
5	1960	30	0.70
6	2130	55	0.80
7	1300	9.0	0.20
8	1550	22	0.30
9	1760	40	0.60
10	440	3.00	0.10
11	880	9.0	0.15
12	1340	25	0.40