

G3G108-BB01-02

EC centrifugal fan with housing (small flange)

forward curved, single inlet



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Nominal data

Type	G3G108-BB01-02	
Motor	M3G055-BD	
Nominal voltage	[VAC]	230
Frequency	[Hz]	50/60
Type of data definition		rfa
Speed	[min ⁻¹]	2800
Power input	[W]	50
Current draw	[A]	0.38
Max. ambient temperature	[°C]	60
Air flow	[m ³ /h]	245
Back pressure	[Pa]	0
Sound pressure level	[dB(A)]	64.8

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

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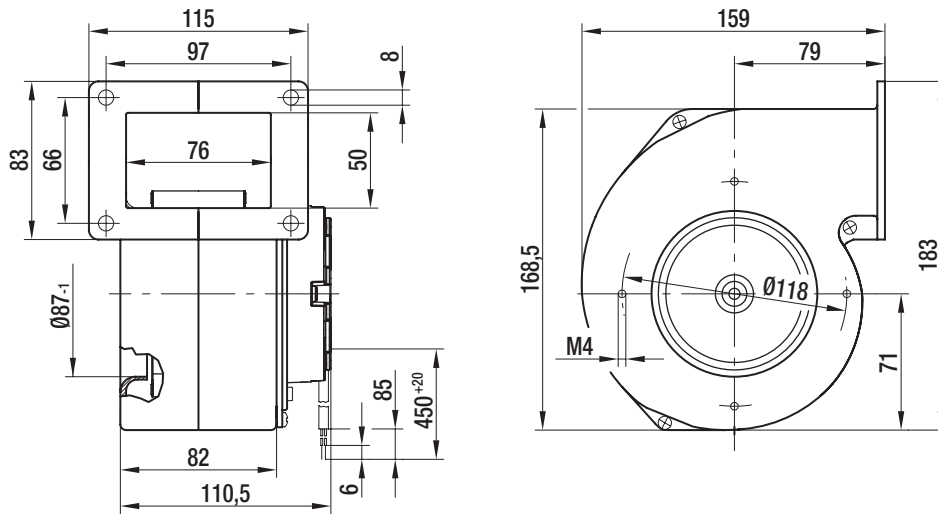
Technical features

Leakage current	<= 3,5 mA
General description	Integrated electronics
Size	108 mm
Operation mode	Continuous operation (S1)
Mounting position	Mounting position: Any; condensate discharge holes: none
Direction of rotation	Clockwise, seen on rotor
Insulation class	"B"
Cable exit	Variable
Bearing-motor	Ball bearing
Mass	1.7 kg
Material of electronics housing	Rotor: Galvanized
Material of impeller	Hot-dip galvanized sheet steel
Motor protection	Locked-rotor protection
Type of protection	IP 44
Protection class	I
Technical features	Control input 0-10 VDC / PWM, output 10 VDC max. 1.1 mA, tach output, locked rotor protection
Approval	GOST

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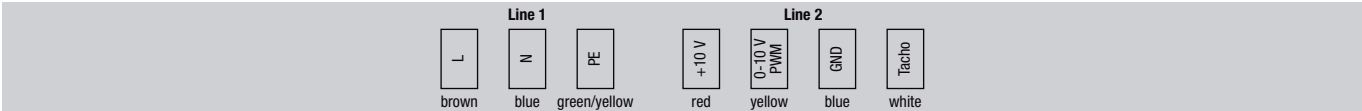
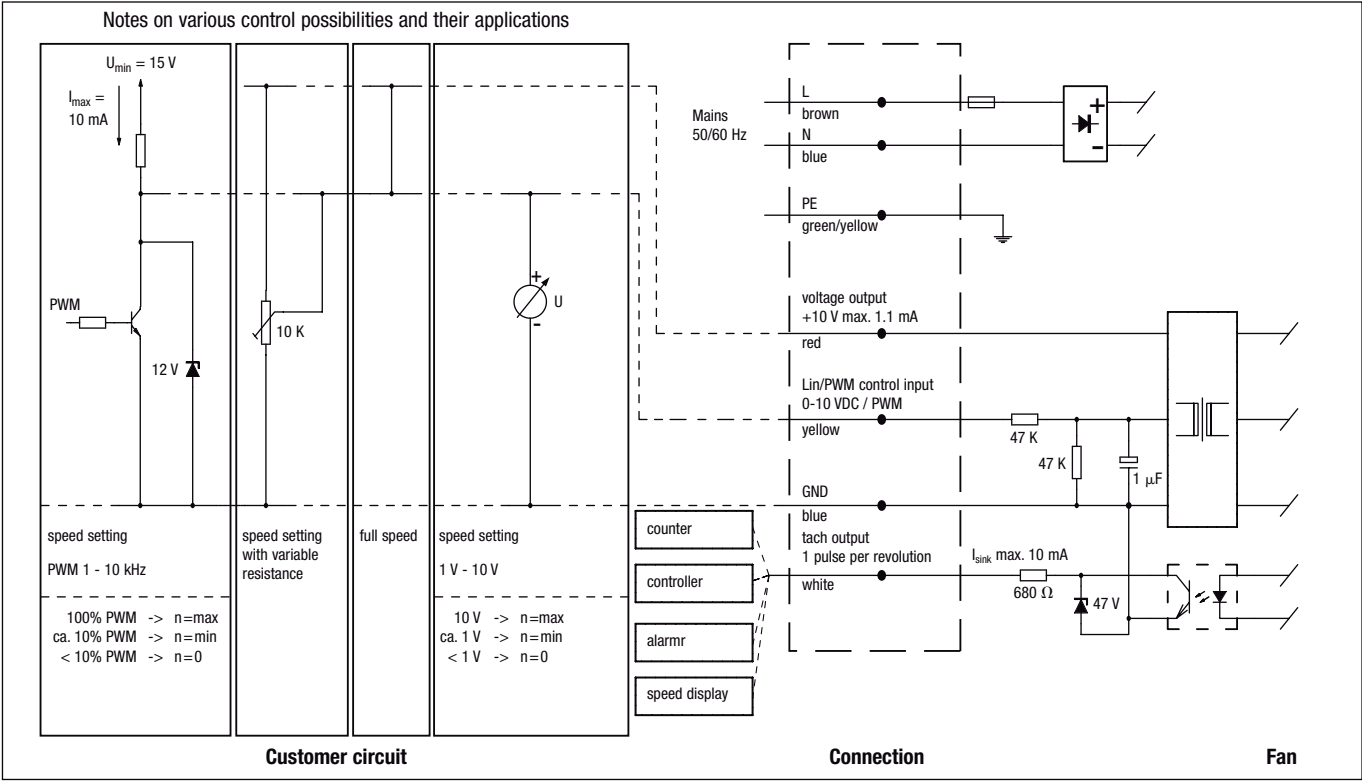
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Product drawing



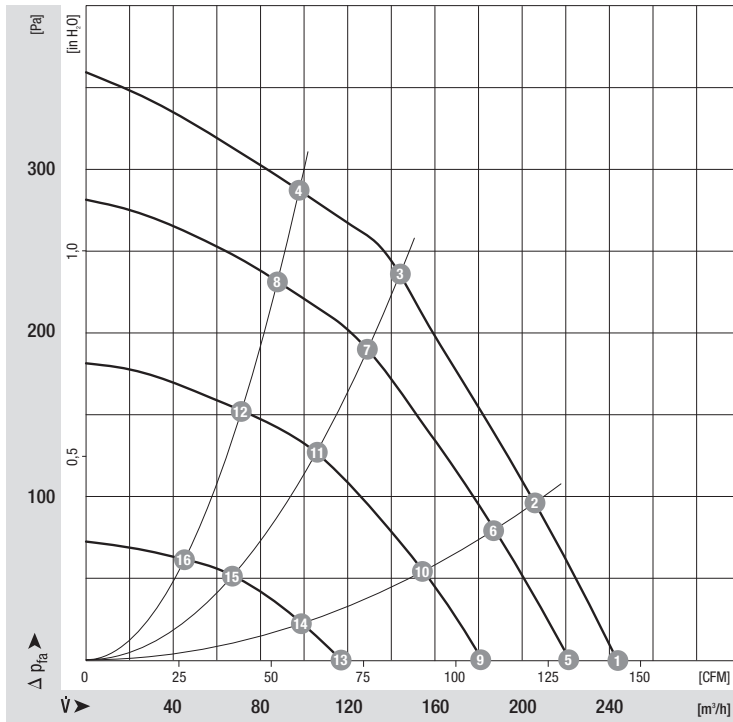
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Connection screen



Line	Signal	Colour	Assignment / function	Line	Signal	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	Control input
	PE	green/yellow	Protective earth		GND	blue	GND
					Tacho	white	Tach output: pulses per revolution

Charts: Air flow



	n	P ₁	I	η _{TL}
	[min ⁻¹]	[W]	[A]	[%]
1	2800	50	0.38	
2	2950	44	0.35	42
3	3120	33	0.25	44
4	3260	25	0.20	32
5	2570	38	0.30	
6	2660	34	0.25	42
7	2820	25	0.20	44
8	2920	19	0.15	32
9	2150	23	0.20	
10	2200	20	0.15	42
11	2320	16	0.15	44
12	2390	12	0.10	32
13	1400	9	0.10	
14	1425	8	0.10	42
15	1490	7	0.10	44
16	1530	6	0.10	32