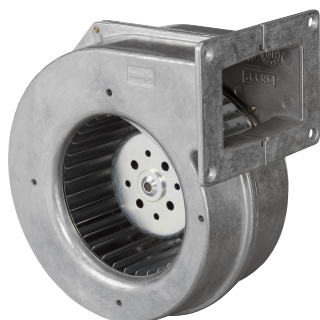


G3G120-BB03-02

EC centrifugal fan

forward curved, single inlet

with housing (flange)



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Nominal data

Type	G3G120-BB03-02	
Motor	M3G055-BD	
Nominal voltage	[VAC]	230
Frequency	[Hz]	50/60
Type of data definition		rfa
Speed	[min ⁻¹]	2200
Power input	[W]	41
Current draw	[A]	0.3
Min. ambient temperature	[°C]	-25
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

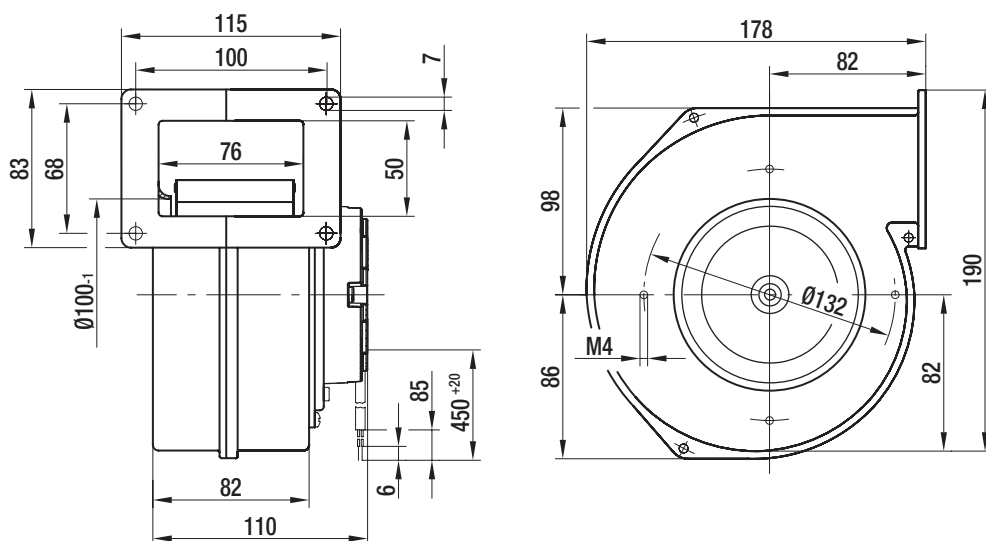
Leakage current	<= 3.5 mA
Size	120 mm
Operation mode	S1
Direction of rotation	Clockwise, seen on rotor
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
EMC harmonics	Acc. to EN 61000-3-2/3
EMC interference emission	Acc. to EN 61000-6-3 (household environment)
EMC interference immunity	Acc. to EN 61000-6-2
Insulation class	"B"
Cable exit	Variable
Condensate discharge holes	Rotor-side
Motor bearing	Ball bearing
Mass	1.8 kg
Material of electronics housing	Die-cast aluminium
Housing material	Die-cast aluminium
Material of impeller	Hot-galvanised sheet steel
Motor protection	Thermal overload protector (TOP) wired internally
Product conforming to standard	EN 60335-1
Surface of rotor	Galvanised
Type of protection	IP 44
Protection class	I
Technical features	- Output 10 VDC, max. 1.1 mA - Tach output - Motor current limit - Soft start - Control input 0-10 VDC / PWM - Over-temperature protected electronics - Over-temperature protected electronics / motor - Over-temperature protected motor
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Approval	GOST

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Product drawing



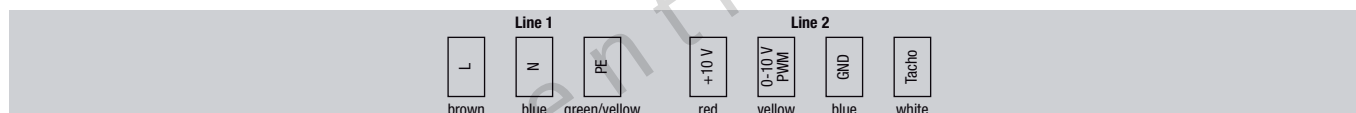
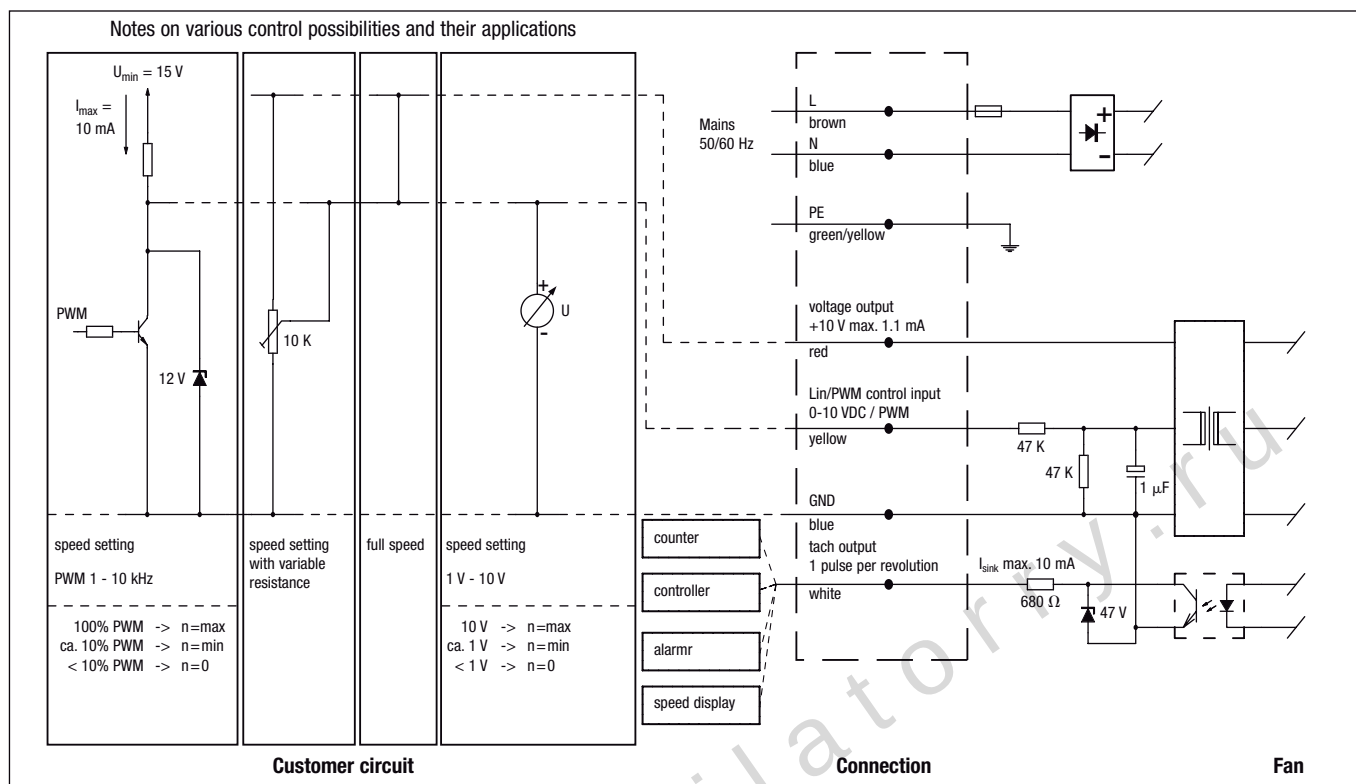
G3G120-BB03-02

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Connection screen



Line	Signal	Colour	Assignment / function
1	L	brown	Mains 50/60 Hz, phase
	N	blue	Mains 50/60 Hz, neutral
	PE	green/yellow	Protective earth

Line	Signal	Colour	Assignment / function
2	+10 V	red	Voltage output +10 V max. 1.1 mA
	0-10 V / PWM	yellow	Control input
	GND	blue	GND
	Tacho	white	Tach output: pulses per revolution

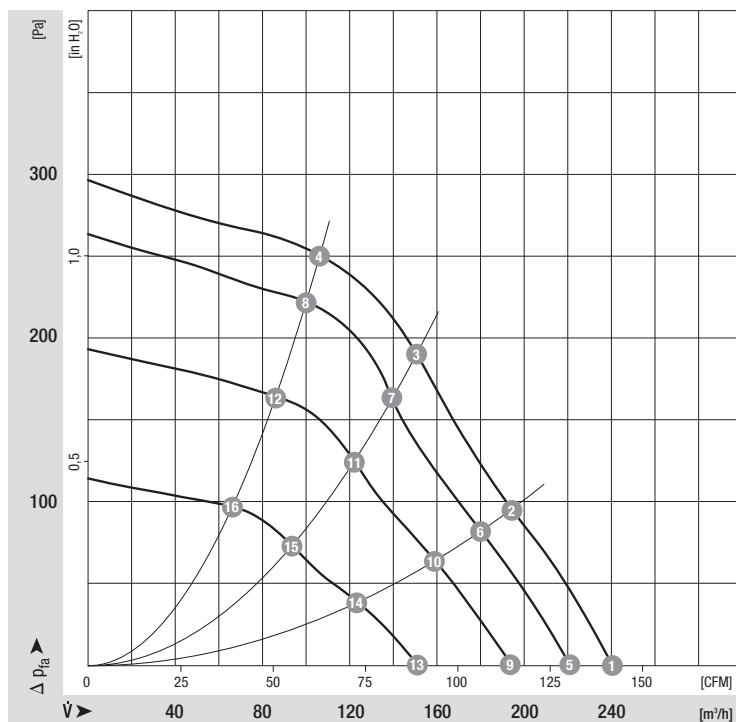
G3G120-BB03-02

EC centrifugal fan

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Charts: Air flow



Measured values

	n	P ₁	I	η _{TL}
	[min ⁻¹]	[W]	[A]	[%]
1	2200	41	0.30	
2	2320	34	0.25	51
3	2440	28	0.20	55
4	2600	20	0.15	49
5	2060	34	0.25	
6	2190	29	0.20	50
7	2295	24	0.20	54
8	2445	18	0.15	52
9	1830	24	0.20	
10	1920	20	0.15	50
11	2010	17	0.15	54
12	2115	13	0.10	52
13	1430	13	0.10	
14	1500	12	0.10	50
15	1580	10	0.10	54
16	1640	8	0.10	52