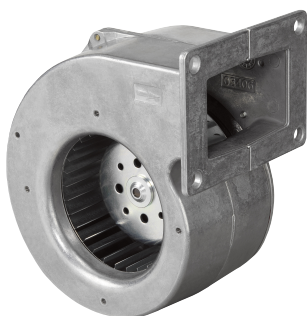


G3G108-BB01-02

EC centrifugal fan

forward curved, single inlet
with housing (flange)

**ebm-papst Mulfingen GmbH & Co. KG**

Bachmühle 2 · D-74673 Mulfingen

Phone +49 7938 81-0

Fax +49 7938 81-110

info1@de.ebmpapst.com

www.ebmpapst.com

Nominal data

Type	G3G108-BB01-02	
Motor	M3G055-BD	
Phase		1~
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
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

G3G108-BB01-02

EC centrifugal fan

forward curved, single inlet

with housing (flange)

Technical features

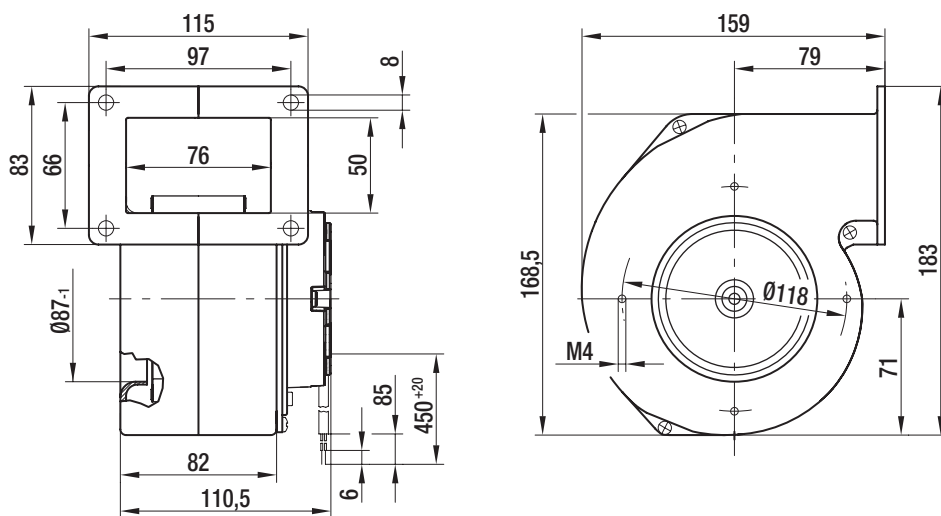
Leakage current	<= 3.5 mA
General description	Integrated electronics
Size	108 mm
Operation mode	Continuous operation (S1)
Direction of rotation	Clockwise, seen on rotor
Mounting position	Any
Humidity class	F3-1
Insulation class	"B"
Cable exit	Variable
Motor bearing	Ball bearing
Mass	1.7 kg
Material of electronics housing	Rotor: Galvanized
Material of impeller	Hot-dip galvanized sheet steel
Motor protection	Thermal overload protector (TOP) wired internally
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

G3G108-BB01-02

EC centrifugal fan

forward curved, single inlet
with housing (flange)

Product drawing



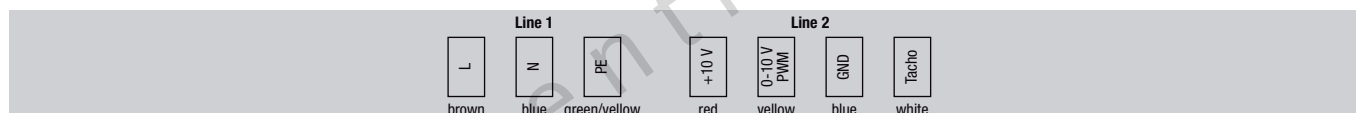
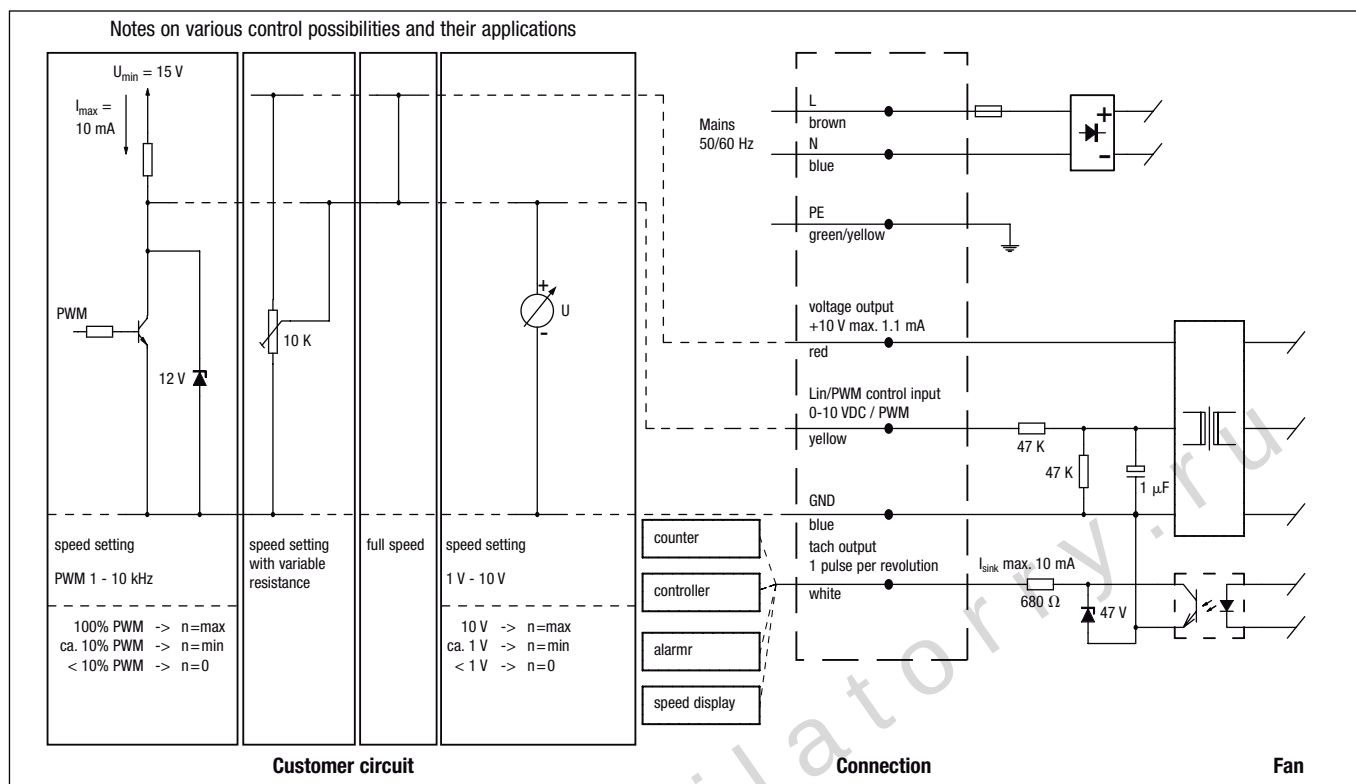
G3G108-BB01-02

EC centrifugal fan

forward curved, single inlet

with housing (flange)

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

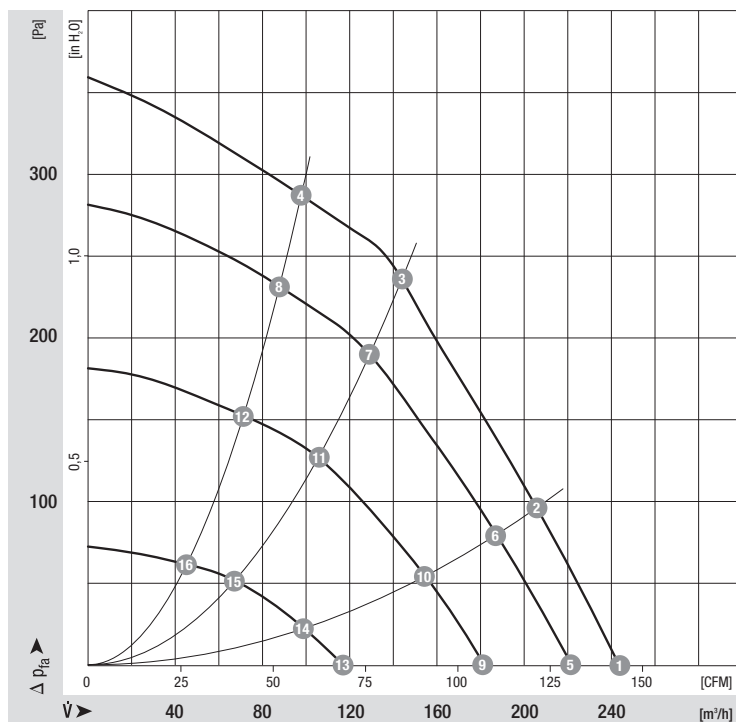
G3G108-BB01-02

EC centrifugal fan

forward curved, single inlet

with housing (flange)

Charts: Air flow



Measured values

	n	P _e	I
	min ⁻¹	W	A
1	2800	50	0.38
2	2950	44	0.35
3	3120	33	0.25
4	3260	25	0.20
5	2570	38	0.30
6	2660	34	0.25
7	2820	25	0.20
8	2920	19	0.15
9	2150	23	0.20
10	2200	20	0.15
11	2320	16	0.15
12	2390	12	0.10
13	1400	9.0	0.10
14	1425	8.0	0.10
15	1490	7.0	0.10
16	1530	6.0	0.10