

EC centrifugal fan and blowers

single inlet, Ø 108



- **Material:** Housing: Die-cast aluminium
Impeller: Hot-dip galvanised sheet steel
Rotor: Galvanised
Electronics enclosure: Die-cast aluminium
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 44
- **Insulation class:** "B"
- **Mounting position:** Any
- **Condensate discharges:** None
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

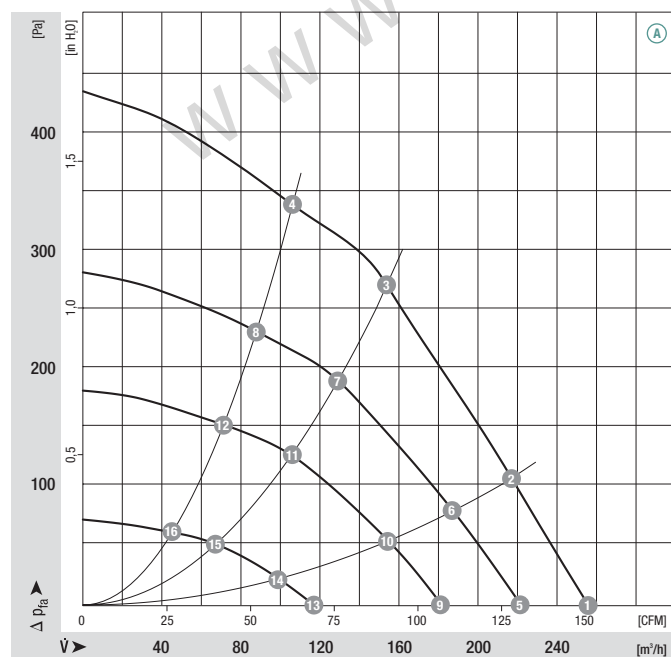
Nominal data

Type	Motor	Curve	Nominal voltage VAC	Frequency Hz	Speed/rpm	Max. power input (1)	Max. current draw (1)	Min. back pressure Pa	Perm. amb. temp. °C	Electr. connection
*3G 108	M3G 055-BD	Ⓐ	1~ 115	50/60	2960	60	0.90	0	-25 to +60	p. 601

subject to alterations

(1) Nominal data in operating point with maximum load and 115 VAC

Curves

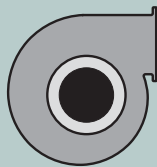


	n [rpm]	P ₁ [W]	I [A]	Lp _A [dB(A)]	η _{IL} [%]
Ⓐ 1	2960	60	0.90	64	—
Ⓐ 2	3100	53	0.80	62	42
Ⓐ 3	3370	42	0.60	60	44
Ⓐ 4	3560	34	0.50	59	32
Ⓐ 5	2570	38	0.55	61	—
Ⓐ 6	2660	34	0.50	60	42
Ⓐ 7	2820	25	0.40	57	44
Ⓐ 8	2920	19	0.30	55	32
Ⓐ 9	2150	23	0.35	56	—
Ⓐ 10	2200	20	0.30	55	42
Ⓐ 11	2320	16	0.25	52	44
Ⓐ 12	2390	12	0.20	50	32
Ⓐ 13	1400	9	0.20	46	—
Ⓐ 14	1425	8	0.20	44	42
Ⓐ 15	1490	7	0.20	40	44
Ⓐ 16	1530	6	0.20	40	32

- **Technical features:**
 - Control input 0-10 VDC / PWM
 - Output 10 VDC max. 1.1 mA
- **EMC:** Interference emission acc. to EN 61000-6-3
Interference immunity acc. to EN 61000-6-1
Harmonics acc. to DIN EN 61000-3-2/3
- **Leakage current:** < 3.5 mA acc. to EN 60950-1
- **Cable exit:** Variable
- **Protection class:** I
- **Product conforming to standards:** EN 60335-1, CE
- **Approvals:** GOST; VDE, UL, CSA, CCC are applied for
- Tach output
- Locked-rotor protection



Mass of centrifugal fan



Mass of centrifugal blower

Centrifugal fan

kg

Centrifugal blower with flange

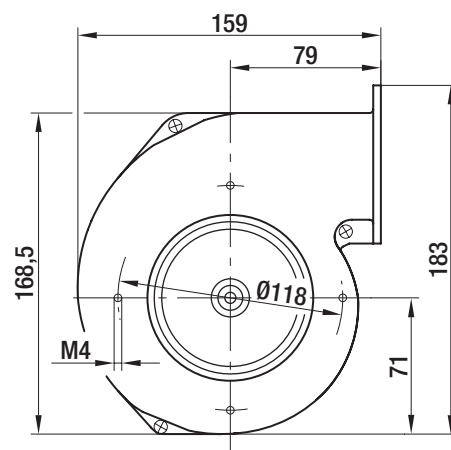
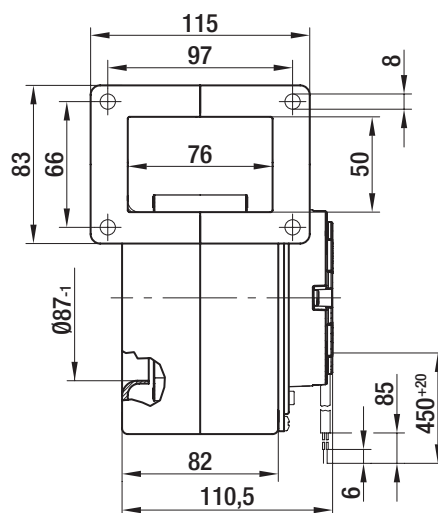
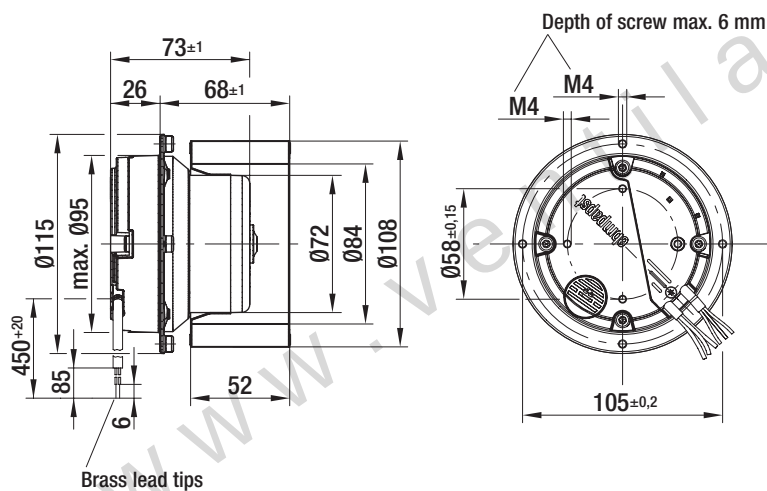
kg

R3G 108-AB15 -02

1.0

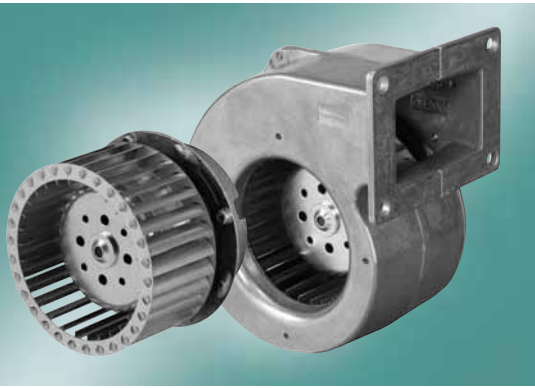
G3G 108-BB15 -02

1.7



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- **Bearings:** Maintenance-free ball bearings

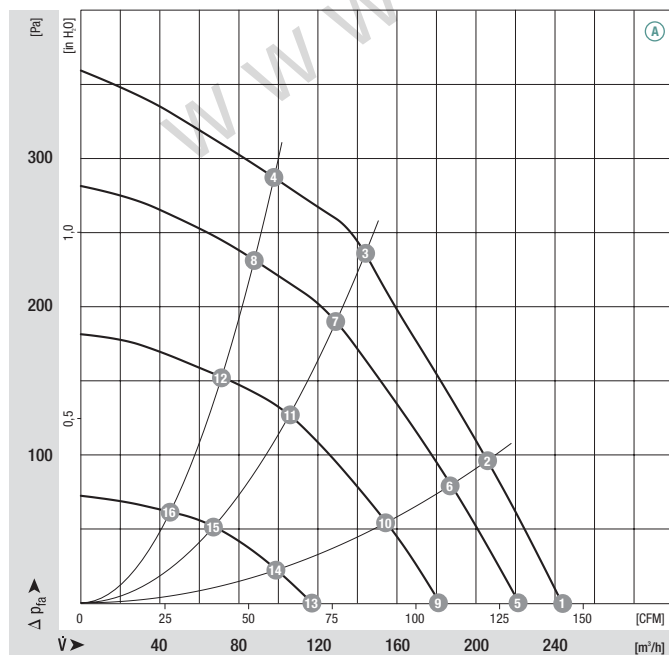
Nominal data

Type	Motor	Curve	Nominal voltage VAC	Frequency Hz	Speed/rpm	Max. power input (1)	Max. current draw (1)	Min. back pressure Pa	Perm. amb. temp. °C	Electr. connection
*3G 108	M3G 055-BD	Ⓐ	1~ 230	50/60	2800	50	0.38	0	-25 to +60	p. 601 H1)

subject to alterations

(1) Nominal data in operating point with maximum load and 230 VAC

Curves

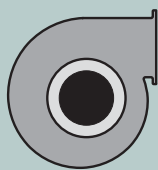


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Ⓐ 9	2150	23	0.20	56	—
Ⓐ 10	2200	20	0.15	55	42
Ⓐ 11	2320	16	0.15	52	44
Ⓐ 12	2390	12	0.10	50	32
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Ⓐ 14	1425	8	0.10	44	42
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- Locked-rotor protection



Mass of centrifugal fan



Mass of centrifugal blower

Centrifugal fan

kg

Centrifugal blower with flange

kg

R3G 108-AB01 -02

1.0

G3G 108-BB01 -02

1.7

