EC centrifugal fan and blowers

single inlet, Ø 120

- **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

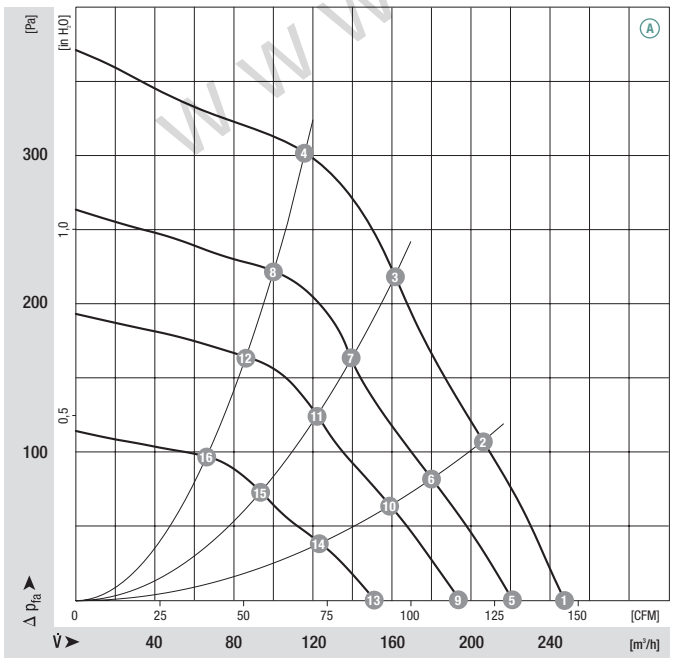
Nominal data

Type	Motor	Curve	Nominal voltage	Frequency	Speed/rpm	Max. power input (1)	Max. current draw (1)	Min. back pressure	Perm. amb. temp.	Electr. connection
			VAC	Hz	rpm	W	A	Pa	°C	p. 601
*3G 120	M3G 055-BD	Ⓐ	1~ 115	50/60	2320	46	0.70	0	-25 to +60	H1)

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_{tL} [%]
Ⓐ 1	2320	46	0.70	61	—
Ⓐ 2	2490	40	0.60	59	52
Ⓐ 3	2640	33	0.50	58	58
Ⓐ 4	2880	24	0.40	57	51
Ⓐ 5	2060	34	0.50	59	—
Ⓐ 6	2190	29	0.45	57	50
Ⓐ 7	2295	24	0.40	55	54
Ⓐ 8	2445	18	0.30	54	52
Ⓐ 9	1830	24	0.40	54	—
Ⓐ 10	1920	20	0.30	52	50
Ⓐ 11	2010	17	0.30	51	54
Ⓐ 12	2115	13	0.20	51	52
Ⓐ 13	1430	13	0.20	48	—
Ⓐ 14	1500	12	0.20	45	50
Ⓐ 15	1580	10	0.20	44	54
Ⓐ 16	1640	8	0.20	44	52

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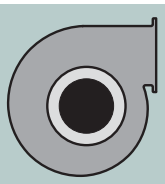
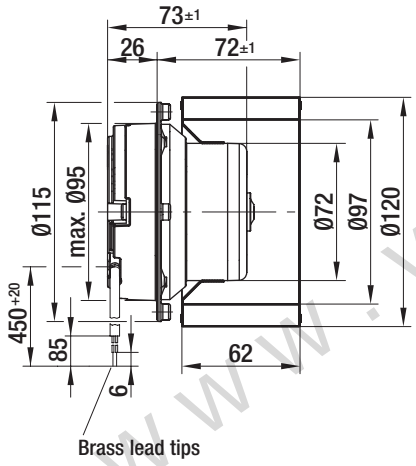
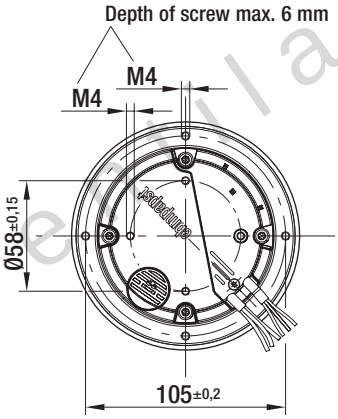
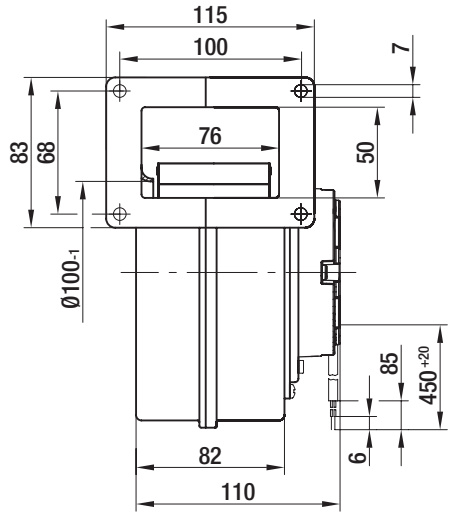
- **Technical features:**
  - Control input 0-10 VDC / PWM
  - Output 10 VDC max. 1.1 mA
  - Tach output
  - Locked-rotor protection
- **EMC:** Interference emission acc. to EN 61000-6-3
  Interference immunity acc. to EN 61000-6-1
  Harmonics acc. to DIN EN 61000-3-2/3
- **Leakage current:** < 3.5 mA 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

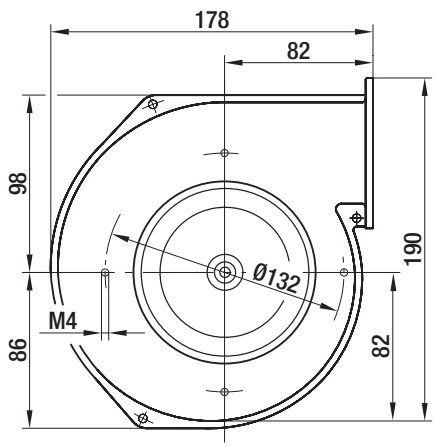


Centrifugal fan	Mass of centrifugal fan kg	Centrifugal blower with flange	Mass of centrifugal blower kg
R3G 120-AB13 -02	1.1	G3G 120-BB13 -02	1.8









Inlet nozzle p. 552
Guard grille p. 554
Air filter p. 563
Electr. connection p. 601

EC centrifugal fan and blowers

single inlet, Ø 120

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  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

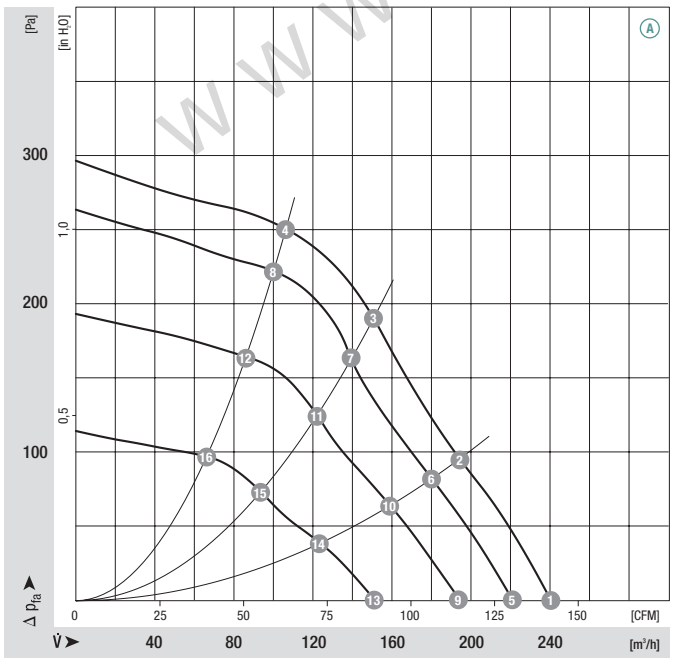
Nominal data

Type	Motor	Curve	Nominal voltage	Frequency	Speed/rpm	Max. power input (1)	Max. current draw (1)	Min. back pressure	Perm. amb. temp.	Electr. connection
			VAC	Hz	rpm	W	A	Pa	°C	p. 601
*3G 120	M3G 055-BD	Ⓐ	1~ 230	50/60	2200	41	0.30	0	-25 to +60	H1)

subject to alterations

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

Curves



	n [rpm]	P_1 [W]	I [A]	Lp_A [dB(A)]	η_{tL} [%]
Ⓐ 1	2200	41	0.30	62	—
Ⓐ 2	2320	34	0.25	59	51
Ⓐ 3	2440	28	0.20	57	55
Ⓐ 4	2600	20	0.15	57	49
Ⓐ 5	2060	34	0.25	59	—
Ⓐ 6	2190	29	0.20	57	50
Ⓐ 7	2295	24	0.20	55	54
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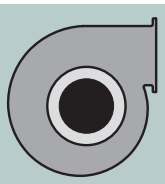

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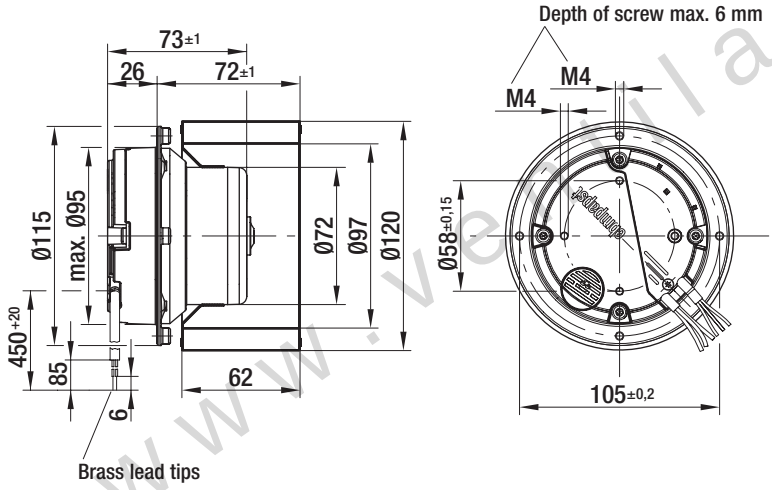

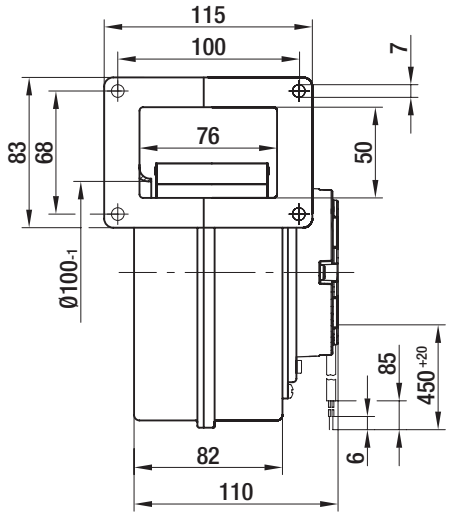

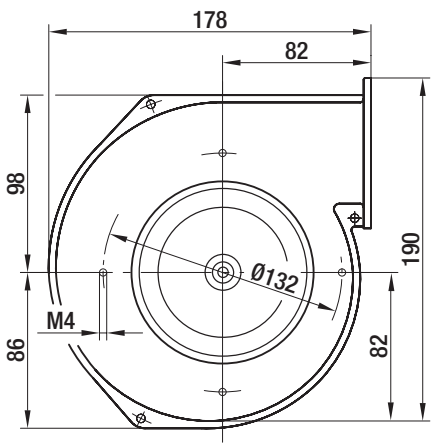

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