

EC centrifugal fan and blowers

single inlet, Ø 200



- **Material:** Housing: Galvanised sheet steel
Impeller: Galvanised sheet steel
Rotor: Coated in black
Electronics enclosure: Die-cast aluminium
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 54
- **Insulation class:** "B"
- **Mounting position:** Shaft horizontal or rotor on top; rotor on bottom on request
- **Condensate discharges:** None
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

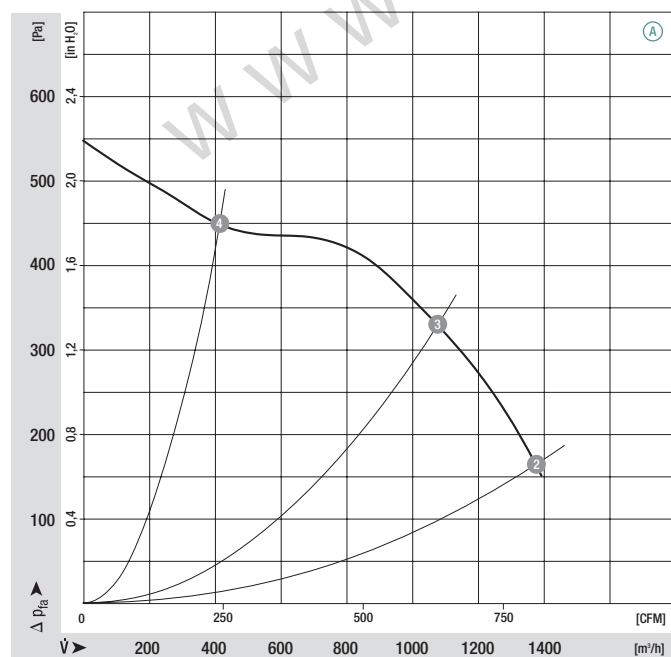
Nominal data

Type	Motor	Curve	Nominal voltage range	Frequency	Speed/rpm	Max. power input ⁽¹⁾	Max. current draw ⁽¹⁾	Min. back pressure	Perm. amb. temp.	Electr. connection
*3G 200	M3G 084-FA	Ⓐ	1~ 100-130	50/60	1720	350	4.20	150	-25 to +60	p. 605

subject to alterations

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

Curves

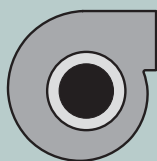


	n [rpm]	P ₁ [W]	I [A]	Lp _A [dB(A)]	η _{IL} [%]
Ⓐ 1	—	—	—	—	—
Ⓐ 2	1720	350	4.10	73	49
Ⓐ 3	1780	277	3.40	71	58
Ⓐ 4	1945	152	2.10	69	50

- **Technical features:**
 - PFC (passive)
 - Control input 0-10 VDC / PWM
 - Output 10 VDC max. 1.1 mA
 - Alarm relay
 - Over-temperature protected electronics / motor
- **EMC:** Interference emission acc. to EN 61000-6-3
Interference immunity acc. to EN 61000-6-2
Harmonics acc. to DIN EN 61000-3-2/3
- **Leakage current:** < 3.5 mA acc. to EN 61800-5-1
- **Cable exit:** Variable
- **Protection class:** I
- **Product conforming to standards:** EN 61800-5-1, CE
- **Approvals:** UL, CSA, CCC, GOST are applied for

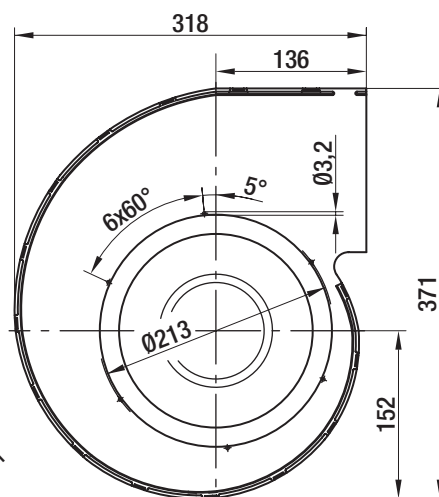
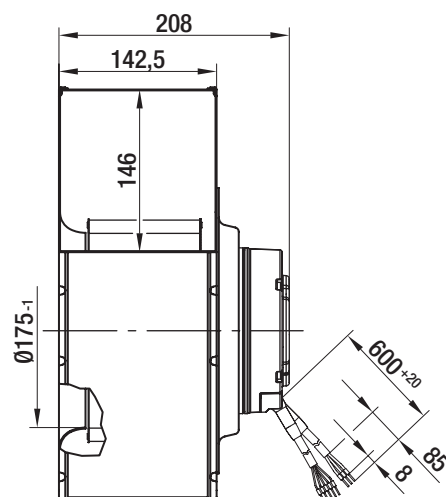
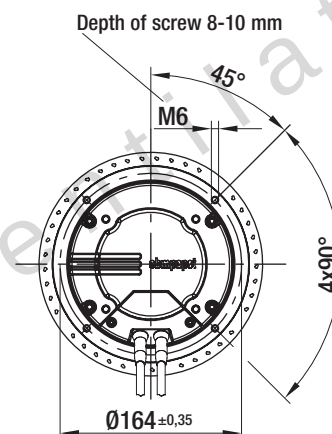
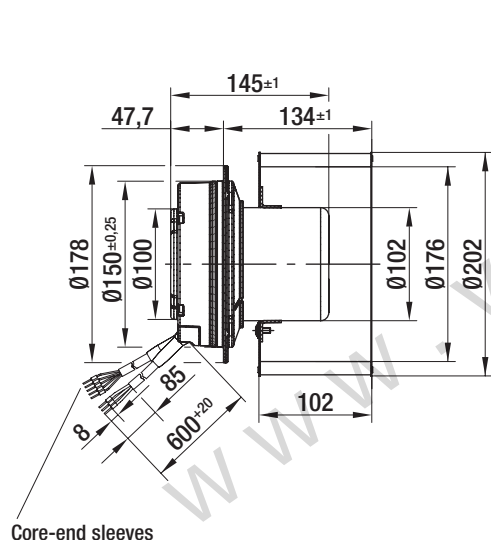


Mass of centrifugal fan



Mass of centrifugal blower

Centrifugal fan	kg	Centrifugal blower without flange	kg
R3G 200-AL36 -81	5.2	G3G 200-AL36 -81	7.4



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- **Condensate discharges:** None
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

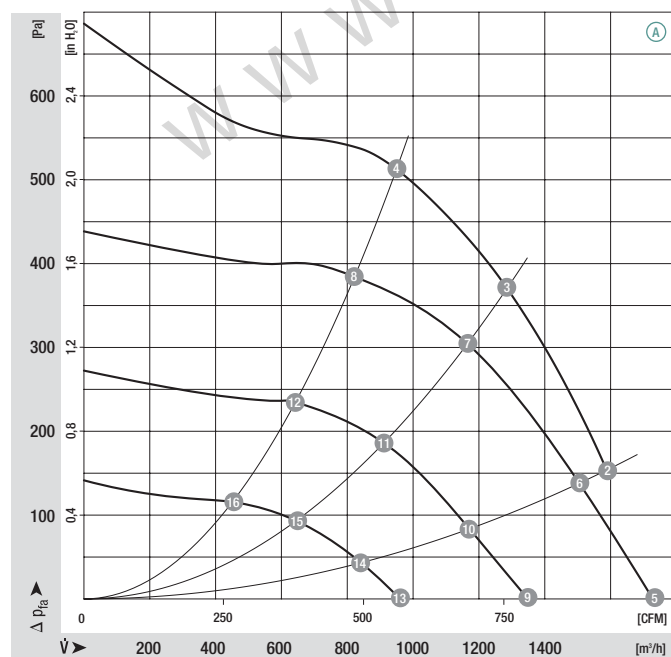
Nominal data

Type	Motor	Curve	Nominal voltage range	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. 605
*3G 200	M3G 084-FA	Ⓐ	1~ 200-277	50/60	1890	510	3.10	150	-25 to +60	K1)

subject to alterations

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

Curves

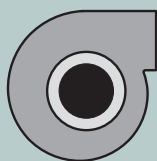


	n [rpm]	P ₁ [W]	I [A]	Lp _A [dB(A)]	η _{IL} [%]
Ⓐ 1	—	—	—	—	—
Ⓐ 2	1890	490	3.00	76	46
Ⓐ 3	1960	403	2.40	74	57
Ⓐ 4	2050	322	2.00	73	58
Ⓐ 5	1800	510	3.10	77	—
Ⓐ 6	1800	420	2.50	75	46
Ⓐ 7	1800	320	1.90	71	57
Ⓐ 8	1800	220	1.30	69	58
Ⓐ 9	1400	240	1.50	71	—
Ⓐ 10	1400	200	1.20	68	46
Ⓐ 11	1400	145	0.90	65	57
Ⓐ 12	1400	103	0.70	63	58
Ⓐ 13	1000	87	0.60	63	—
Ⓐ 14	1000	72	0.50	60	46
Ⓐ 15	1000	55	0.40	57	57
Ⓐ 16	1000	38	0.30	53	58

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 - Alarm relay
 - Over-temperature protected electronics / motor



Mass of centrifugal fan



Mass of centrifugal blower

Centrifugal fan	kg	Centrifugal blower without flange	kg
R3G 200-AL29 -71	5.2	G3G 200-AL29 -71	7.4

