

EC centrifugal fan and blowers

single inlet, Ø 225



- **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

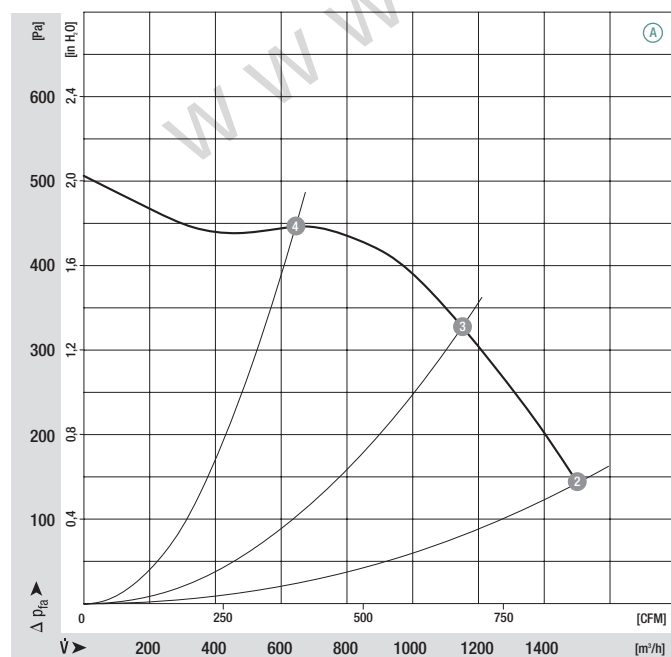
Nominal data

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
			VAC	Hz	rpm	W	A	Pa	°C	p. 605
*3G 225	M3G 084-FA	Ⓐ	1~ 100-130	50/60	1500	350	4.30	150	-25 to +60	K1)

subject to alterations

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

Curves

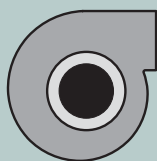


	n [rpm]	P ₁ [W]	I [A]	Lp _A [dB(A)]	η _{IL} [%]
Ⓐ 1	—	—	—	—	—
Ⓐ 2	1500	350	4.30	72	48
Ⓐ 3	1620	300	3.60	69	60
Ⓐ 4	1775	205	2.70	68	56

- **Technical features:**
 - PFC (passive)
 - Control input 0-10 VDC / PWM
- **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
- Output 10 VDC max. 1.1 mA
- Alarm relay
- Over-temperature protected electronics / motor



Mass of centrifugal fan



Mass of centrifugal blower

Centrifugal fan

kg

Centrifugal blower without flange

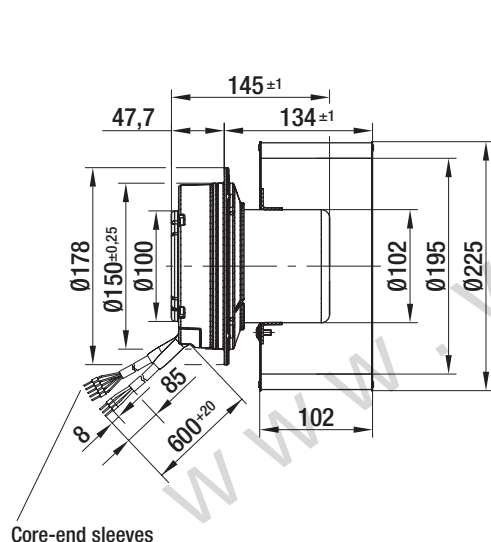
kg

R3G 225-AL36 -81

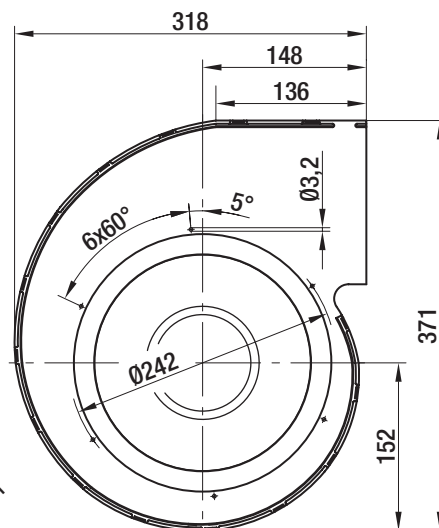
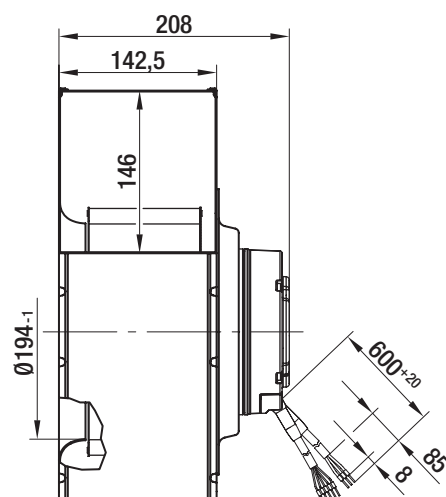
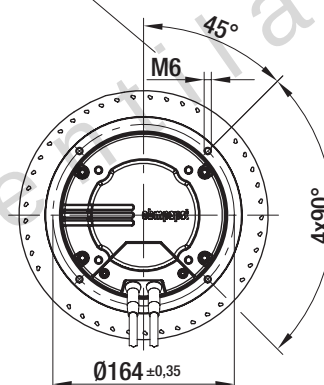
5.3

G3G 225-AL36 -81

7.5

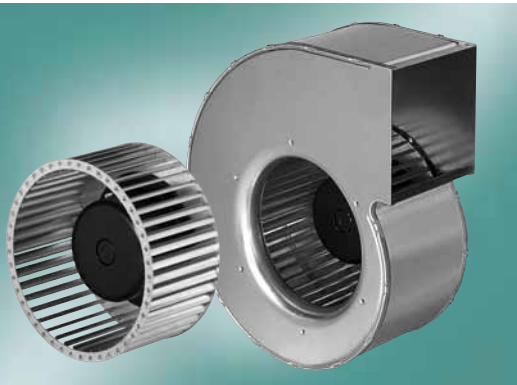


Depth of screw 8-10 mm



EC centrifugal fan and blowers

single inlet, Ø 225



- **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

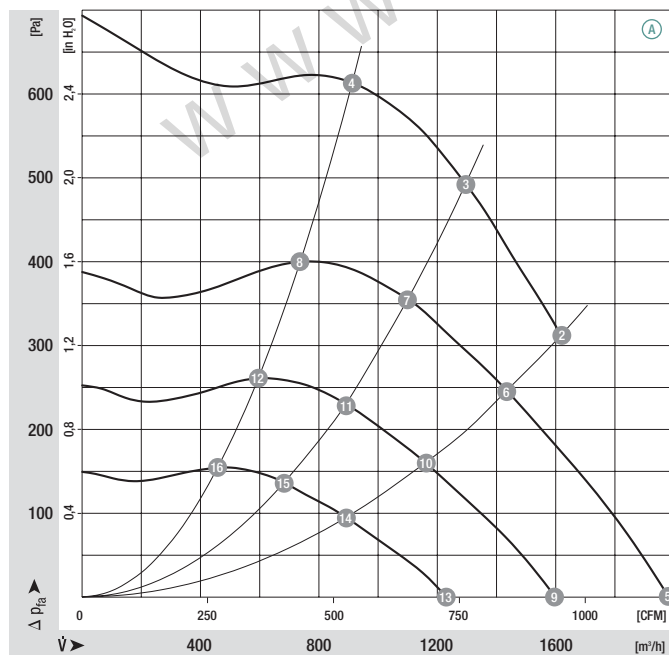
Nominal data

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 225	M3G 084-FA	Ⓐ	1~ 200-277	50/60	1815	545	3.50	300	-25 to +60	p. 605

subject to alterations

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

Curves

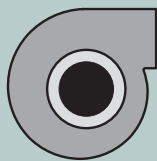


	n [rpm]	P ₁ [W]	I [A]	Lp _A [dB(A)]	η _{IL} [%]
Ⓐ 1	—	—	—	—	—
Ⓐ 2	1815	545	3.50	75	53
Ⓐ 3	1900	456	2.90	74	60
Ⓐ 4	1995	363	2.35	73	59
Ⓐ 5	1610	592	3.85	76	—
Ⓐ 6	1610	381	2.45	71	53
Ⓐ 7	1610	278	1.80	69	60
Ⓐ 8	1610	191	1.25	66	59
Ⓐ 9	1300	312	2.05	72	—
Ⓐ 10	1300	200	1.30	66	53
Ⓐ 11	1300	146	0.95	63	60
Ⓐ 12	1300	101	0.65	61	59
Ⓐ 13	1000	142	0.95	65	—
Ⓐ 14	1000	91	0.60	59	53
Ⓐ 15	1000	67	0.45	56	60
Ⓐ 16	1000	46	0.30	54	59

- **Technical features:**
 - PFC (passive)
 - Control input 0-10 VDC / PWM
- **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
- Output 10 VDC max. 1.1 mA
- Alarm relay
- Over-temperature protected electronics / motor



Mass of centrifugal fan



Mass of centrifugal blower

Centrifugal fan

kg

Centrifugal blower without flange

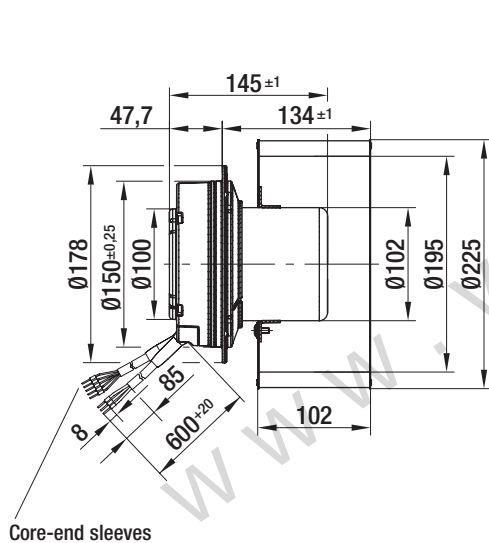
kg

R3G 225-AD29 -71

5.3

G3G 225-AD29 -71

7.5



Depth of screw 8-10 mm

