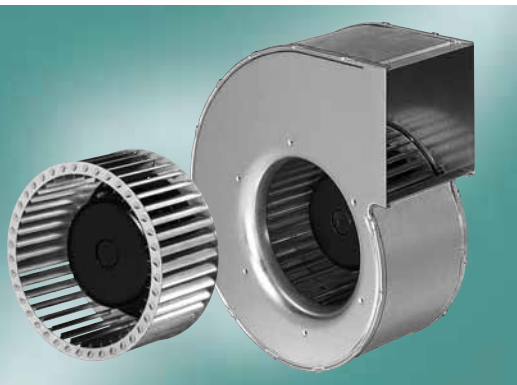


EC centrifugal fan and blowers

single inlet, Ø 180



- **Material:** Housing: Galvanised sheet steel
Impeller: 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:** 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

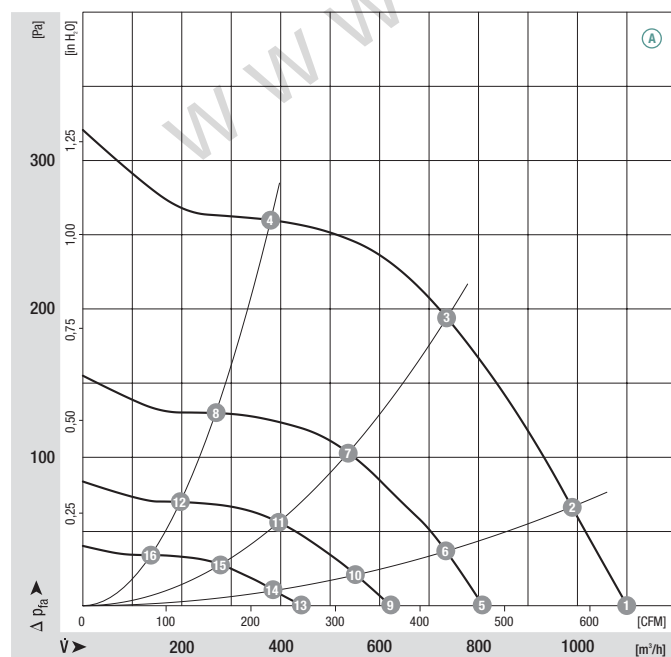
Nominal data

Type	Motor	VAC	Hz	rpm	W	A	Pa	°C	p. 603
*3G 180	M3G 074-CF	Ⓐ 1~ 100-130	50/60	1320	175	2.20	0	-25 to +60	J1)

subject to alterations

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

Curves

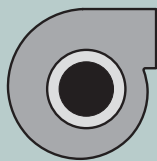


	n [rpm]	P ₁ [W]	I [A]	L _{pA} [dB(A)]	η _{IL} [%]
Ⓐ 1	1320	171	2.10	67	—
Ⓐ 2	1370	151	1.90	65	57
Ⓐ 3	1460	115	1.50	61	69
Ⓐ 4	1570	69	0.90	59	59
Ⓐ 5	990	69	0.90	59	—
Ⓐ 6	1030	65	0.90	57	54
Ⓐ 7	1080	48	0.70	54	64
Ⓐ 8	1130	29	0.40	51	57
Ⓐ 9	770	35	0.50	52	—
Ⓐ 10	790	30	0.40	50	49
Ⓐ 11	810	23	0.30	46	55
Ⓐ 12	840	15	0.20	42	40
Ⓐ 13	560	16	0.20	44	—
Ⓐ 14	560	13	0.20	40	38
Ⓐ 15	580	11	0.20	36	41
Ⓐ 16	590	8	0.10	33	24

- **Technical features:**
 - PFC (passive)
 - Control input 0-10 VDC / PWM
- **EMC:** Interference emission acc. to EN 61000-6-3
Interference immunity acc. to EN 61000-6-1
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, EN 61800-5-1, EN 60950-1, CE
- **Approvals:** UL, CSA; CCC, GOST are applied for
- Output 10 VDC max. 1.1 mA
- Tach output
- Over-temperature protected electronics / motor



Mass of centrifugal fan



Mass of centrifugal blower

Centrifugal fan

kg

Centrifugal blower without flange

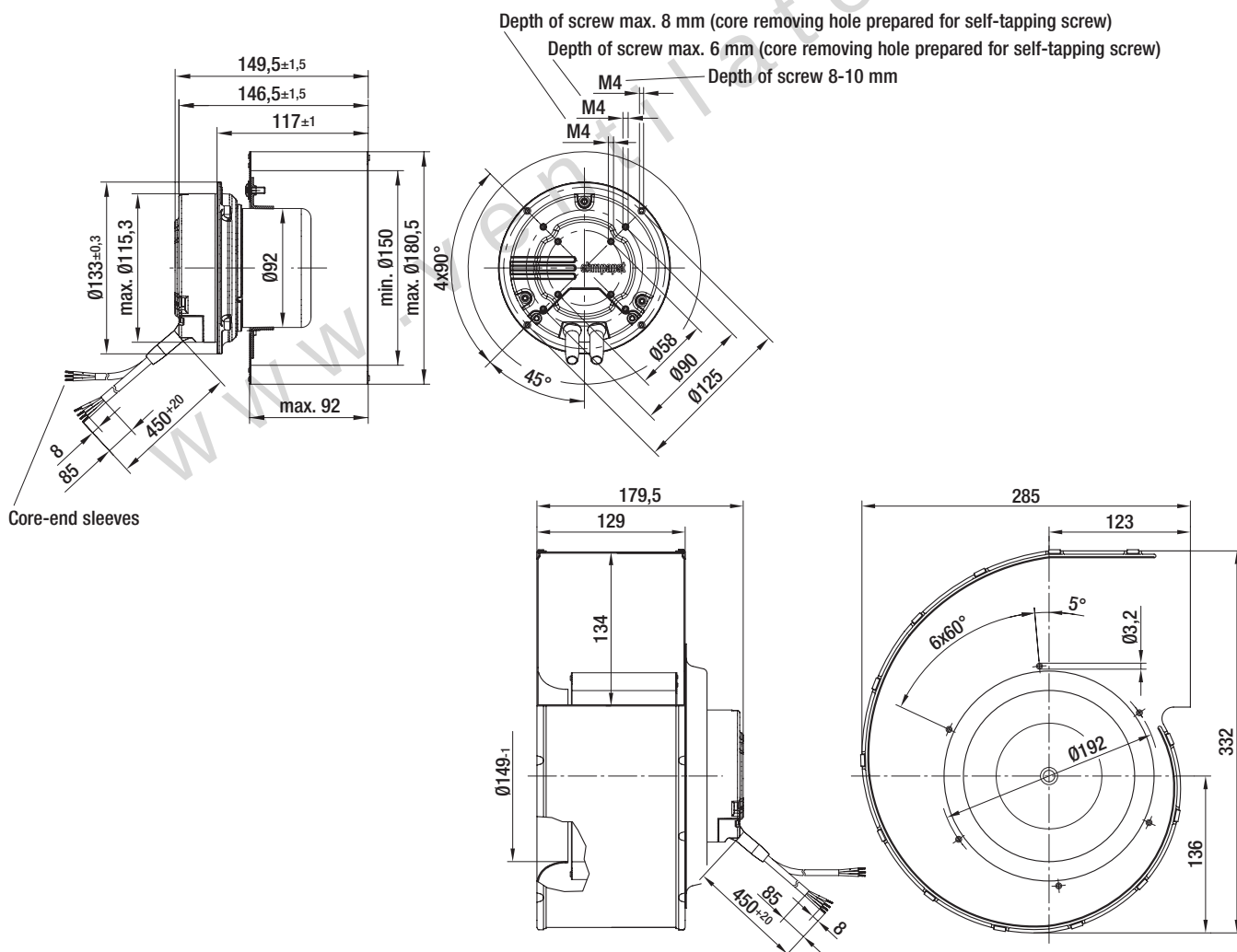
kg

R3G 180-AU73 -01

2.0

G3G 180-EU73 -01

4.0



EC centrifugal fan and blowers

single inlet, Ø 180



- **Material:** Housing: Galvanised sheet steel
Impeller: 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:** 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 180

M3G 074-CF

Ⓐ

1~ 200-277

50/60

1320

162

1.20

150

-25 to +60

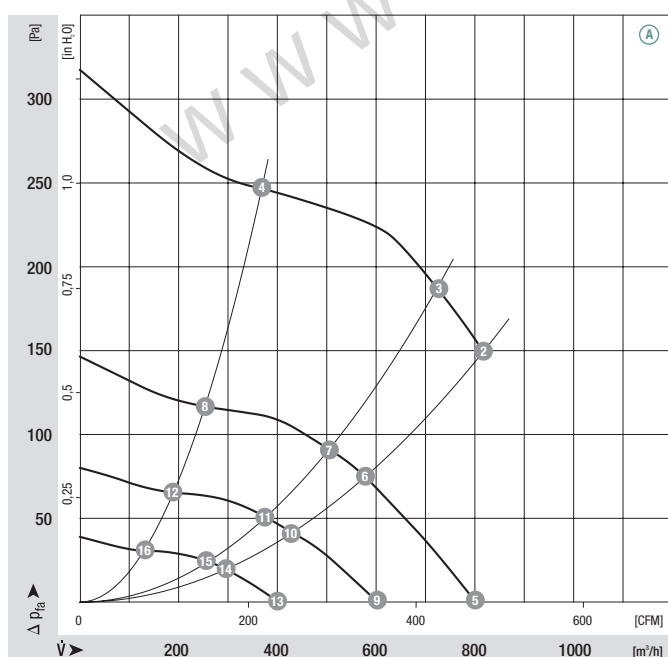
p. 603

J1)

subject to alterations

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

Curves

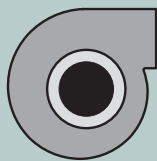


	n [rpm]	P ₁ [W]	I [A]	L _{pA} [dB(A)]	η _{IL} [%]
Ⓐ 1	—	—	—	—	—
Ⓐ 2	1420	118	1.90	62	59
Ⓐ 3	1445	106	1.50	61	69
Ⓐ 4	1530	65	1.00	59	56
Ⓐ 5	975	65	1.00	58	—
Ⓐ 6	995	56	0.90	56	54
Ⓐ 7	1025	42	0.70	53	60
Ⓐ 8	1065	26	0.45	49	45
Ⓐ 9	745	31	0.50	52	—
Ⓐ 10	755	28	0.45	49	47
Ⓐ 11	775	21	0.35	45	49
Ⓐ 12	805	15	0.25	42	34
Ⓐ 13	515	33	0.25	41	—
Ⓐ 14	520	12	0.20	39	33
Ⓐ 15	535	10	0.20	35	34
Ⓐ 16	560	8	0.15	32	20

- **Technical features:**
 - PFC (passive)
 - Control input 0-10 VDC / PWM
- **EMC:** Interference emission acc. to EN 61000-6-3
Interference immunity acc. to EN 61000-6-1
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, EN 61800-5-1, EN 60950-1, CE
- **Approvals:** UL, CSA; CCC, GOST are applied for
- Output 10 VDC max. 1.1 mA
- Tach output
- Over-temperature protected electronics / motor



Mass of centrifugal fan



Mass of centrifugal blower

Centrifugal fan

kg

Centrifugal blower without flange

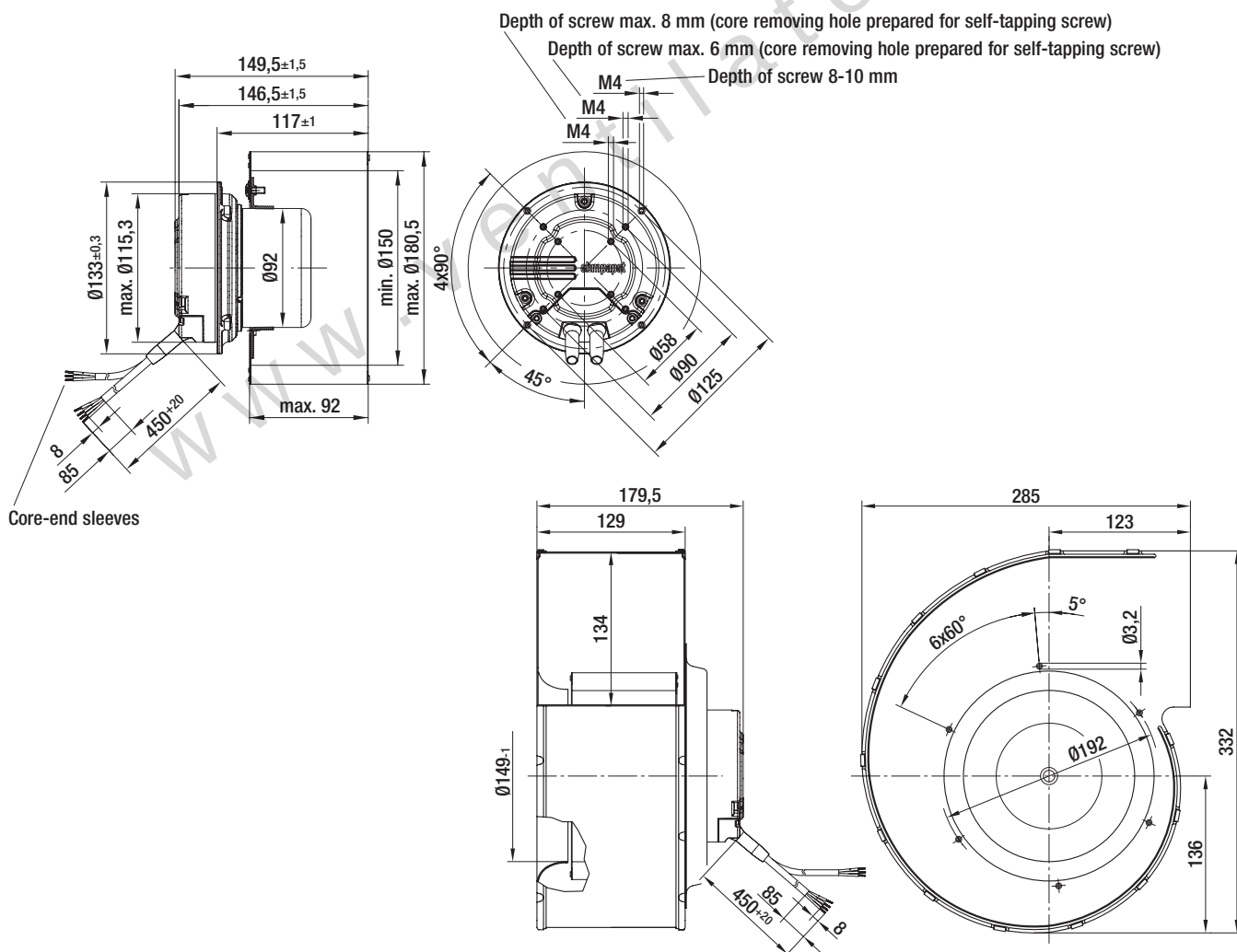
kg

R3G 180-AU60 -01

2.0

G3G 180-EU60 -01

4.0



EC centrifugal fan and blowers

single inlet, Ø 180



- **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

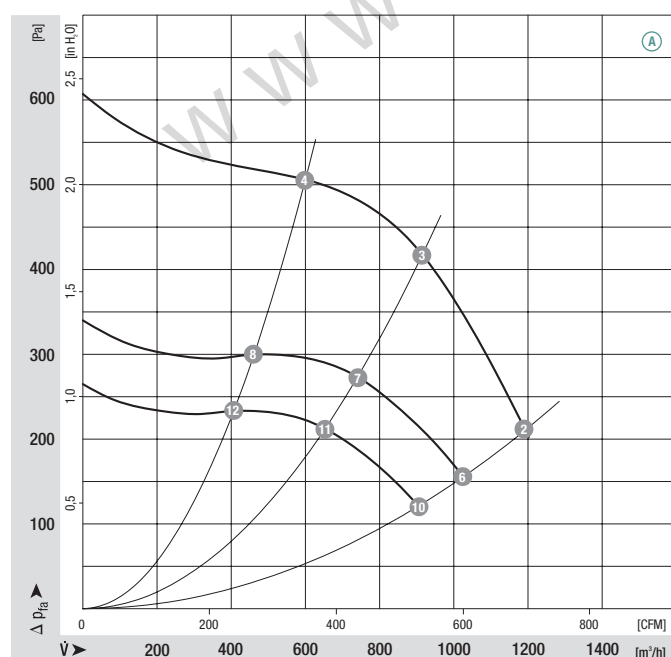
Nominal data

Type	Motor	VAC	Hz	rpm	W	A	Pa	°C	p. 605
*3G 180	M3G 084-DF	Ⓐ 1~ 100-130	50/60	1970	335	3.90	200	-25 to +60	K1)

subject to alterations

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

Curves

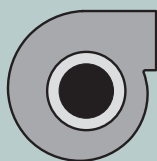


	n [rpm]	P ₁ [W]	I [A]	Lp _A [dB(A)]	η _{IL} [%]
Ⓐ 1	—	—	—	—	—
Ⓐ 2	1970	335	3.90	76	52
Ⓐ 3	2100	265	3.15	72	62
Ⓐ 4	2205	195	2.35	70	56
Ⓐ 5	—	—	—	—	—
Ⓐ 6	1700	213	2.45	71	52
Ⓐ 7	1700	140	1.65	65	62
Ⓐ 8	1700	90	1.10	63	56
Ⓐ 9	—	—	—	—	—
Ⓐ 10	1500	147	1.70	68	52
Ⓐ 11	1500	96	1.15	62	62
Ⓐ 12	1500	61	0.75	59	46

- **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

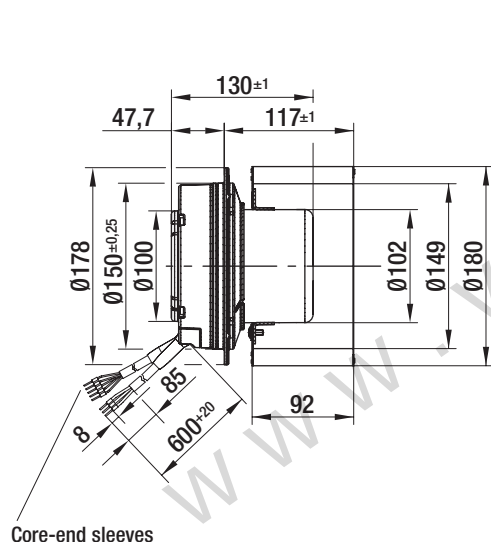
kg

R3G 180-AA01 -81

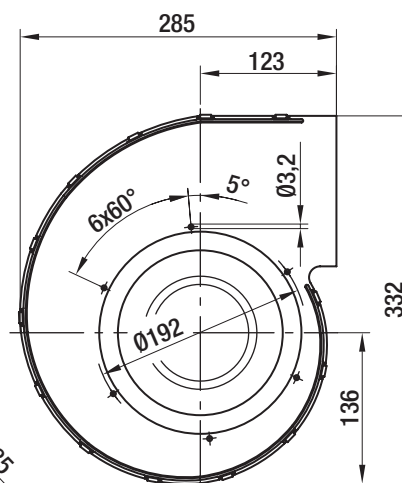
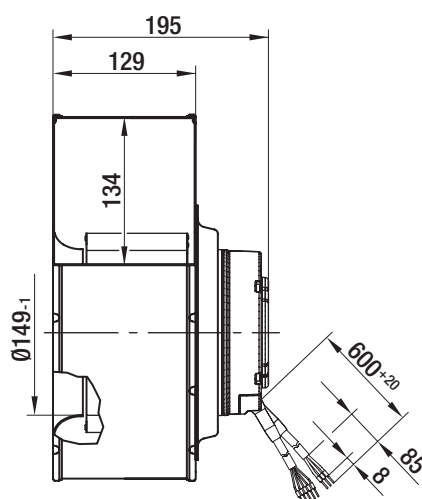
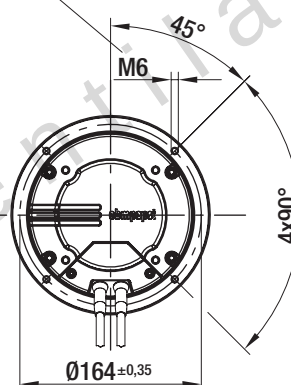
3.9

G3G 180-AA01 -81

6.0



Depth of screw 8-10 mm



EC centrifugal fan and blowers

single inlet, Ø 180



- **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

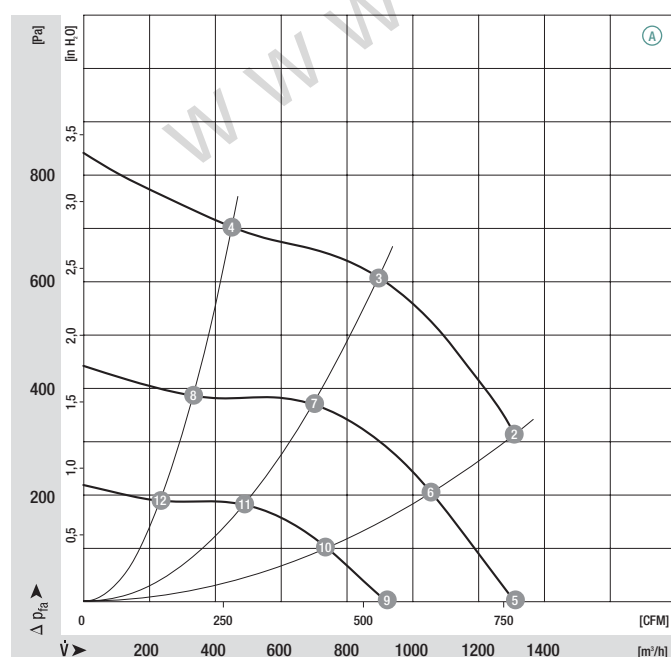
Nominal data

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 180	M3G 084-FA	Ⓐ	1~ 200-277	50/60	2450	510	3.15	300	-25 to +60	K1)

subject to alterations

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

Curves

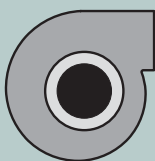


	n [rpm]	P ₁ [W]	I [A]	Lp _A [dB(A)]	η _{IL} [%]
Ⓐ 1	—	—	—	—	—
Ⓐ 2	2450	510	3.15	79	47
Ⓐ 3	2570	361	2.25	75	58
Ⓐ 4	2690	223	1.45	73	45
Ⓐ 5	2000	395	2.50	77	—
Ⓐ 6	2000	295	1.90	73	47
Ⓐ 7	2000	185	1.20	68	58
Ⓐ 8	2000	100	0.60	64	45
Ⓐ 9	1400	135	0.90	67	—
Ⓐ 10	1400	100	0.60	64	47
Ⓐ 11	1400	65	0.40	59	58
Ⓐ 12	1400	35	0.20	55	45

- **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 180-AD43 -71	4.7	G3G 180-AD43 -71	6.8

