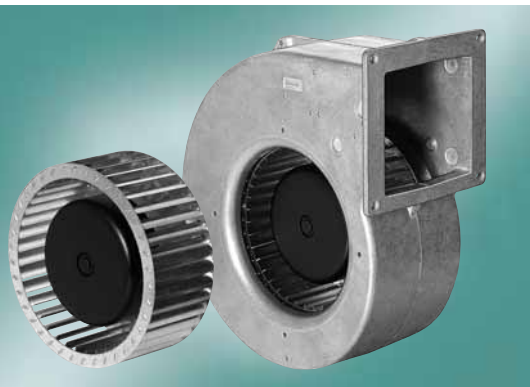


EC centrifugal fan and blowers

single inlet, Ø 146



- **Material:** Housing: Die-cast aluminium
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

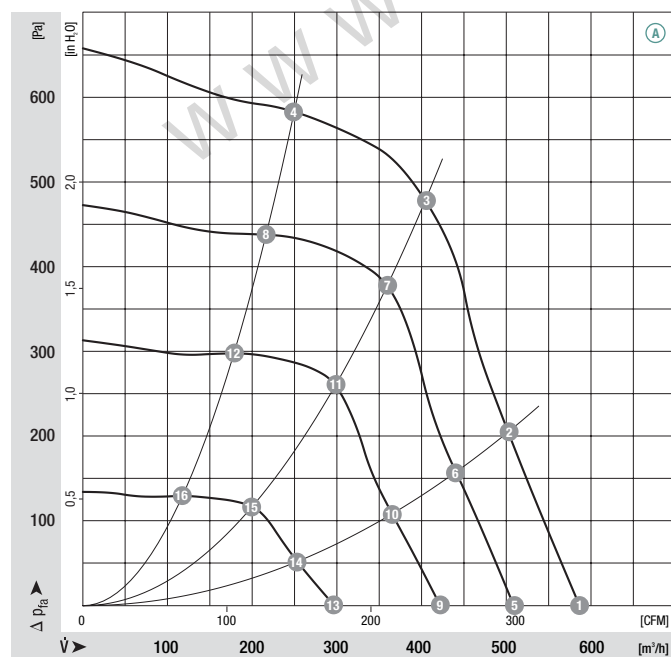
Nominal data

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
			VAC	Hz	rpm	W	A	Pa	°C	p. 603
*3G 146	M3G 074-CF	Ⓐ	1~ 100-130	50/60	2430	170	2.20	0	-25 to +60	J1)

subject to alterations

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

Curves

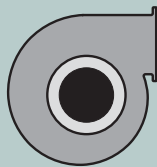


	n [rpm]	P ₁ [W]	I [A]	Lp _A [dB(A)]	η _{IL} [%]
Ⓐ 1	2430	168	2.10	71	—
Ⓐ 2	2720	167	2.10	70	40
Ⓐ 3	3040	159	2.00	68	55
Ⓐ 4	3230	119	1.50	67	50
Ⓐ 5	2120	110	1.40	67	—
Ⓐ 6	2390	109	1.40	66	40
Ⓐ 7	2700	109	1.40	65	56
Ⓐ 8	2800	77	1.00	63	49
Ⓐ 9	1770	66	0.90	63	—
Ⓐ 10	1980	66	0.90	62	39
Ⓐ 11	2230	65	0.90	60	53
Ⓐ 12	2330	48	0.70	59	44
Ⓐ 13	1250	26	0.40	54	—
Ⓐ 14	1390	26	0.40	52	32
Ⓐ 15	1520	24	0.40	51	43
Ⓐ 16	1560	19	0.30	50	32

- **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 with flange

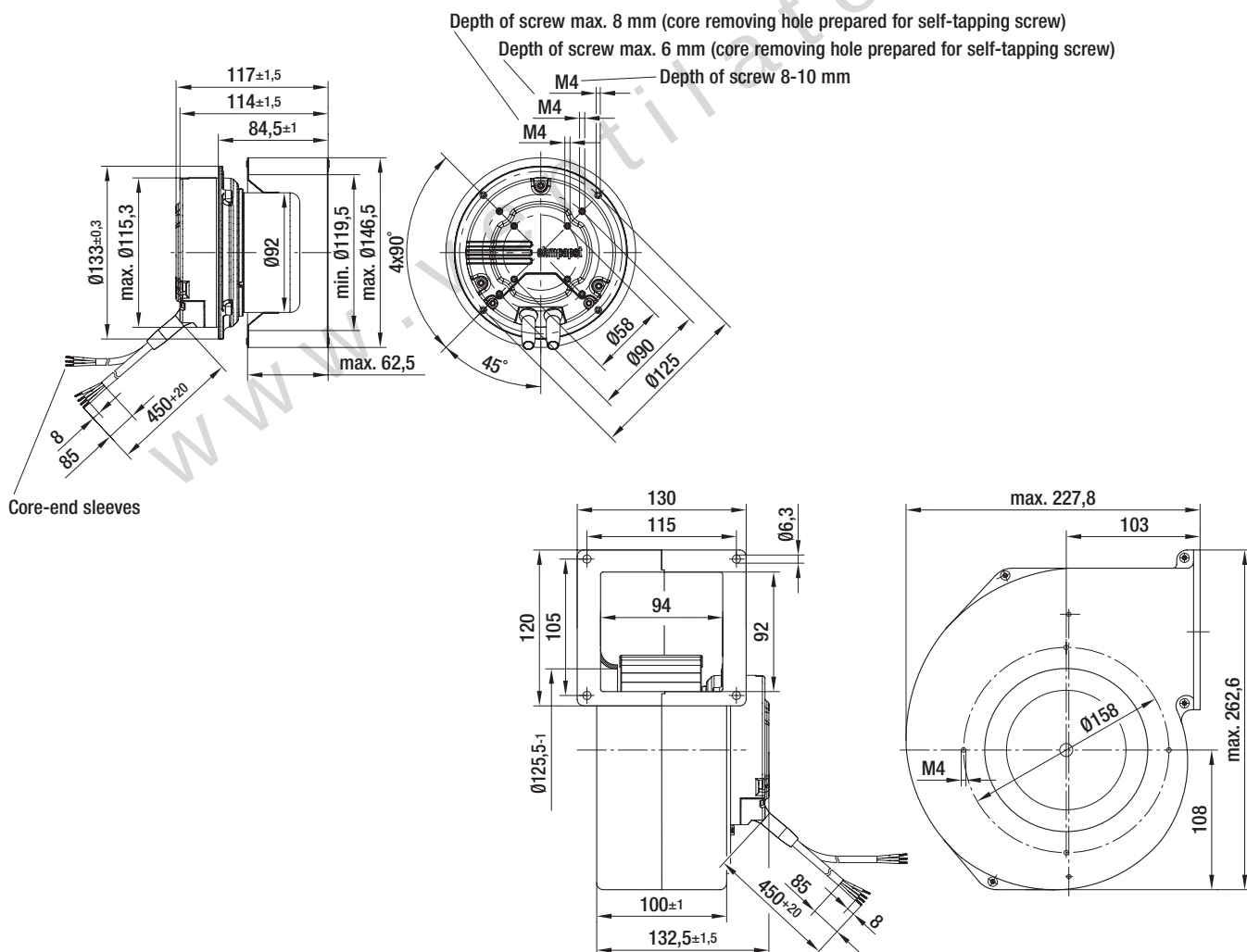
kg

R3G 146-AB72 -01

2.0

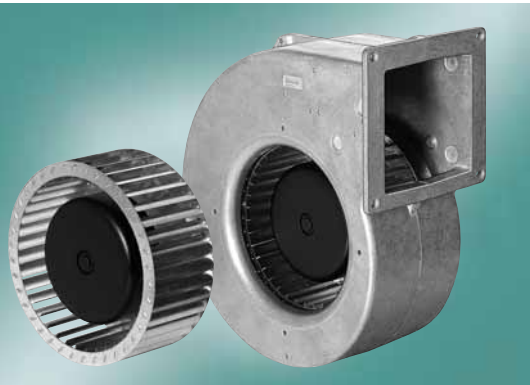
G3G 146-AB72 -01

3.5



EC centrifugal fan and blowers

single inlet, Ø 146



- **Material:** Housing: Die-cast aluminium
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

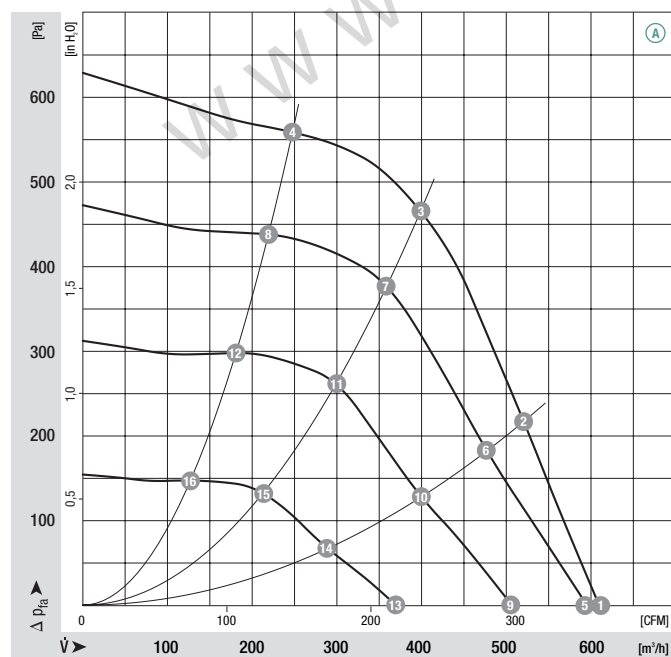
Nominal data

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
			VAC	Hz	rpm	W	A	Pa	°C	p. 603
*3G 146	M3G 074-CF	Ⓐ	1~ 200-277	50/60	2520	175	1.30	0	-25 to +60	J1)

subject to alterations

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

Curves

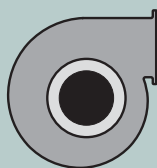


	n [rpm]	P ₁ [W]	I [A]	L _{pA} [dB(A)]	η _{IL} [%]
Ⓐ 1	2520	175	1.30	71	—
Ⓐ 2	2840	172	1.20	70	43
Ⓐ 3	3030	144	1.10	68	60
Ⓐ 4	3210	105	0.80	67	51
Ⓐ 5	2430	172	1.30	71	—
Ⓐ 6	2545	138	1.10	68	42
Ⓐ 7	2655	105	0.80	65	60
Ⓐ 8	2770	78	0.60	63	50
Ⓐ 9	2080	108	0.80	67	—
Ⓐ 10	2160	84	0.70	64	41
Ⓐ 11	2240	70	0.60	66	52
Ⓐ 12	2310	50	0.40	59	51
Ⓐ 13	1540	48	0.40	59	—
Ⓐ 14	1580	39	0.30	56	34
Ⓐ 15	1610	29	0.25	52	41
Ⓐ 16	1640	22	0.20	51	40

- **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 with flange

kg

R3G 146-AB54 -01

2.0

G3G 146-AB54 -01

3.5

