

EC centrifugal blowers

dual inlet, Ø 146



- **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; rotor on top or rotor on bottom on request
- **Condensate discharges:** None
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

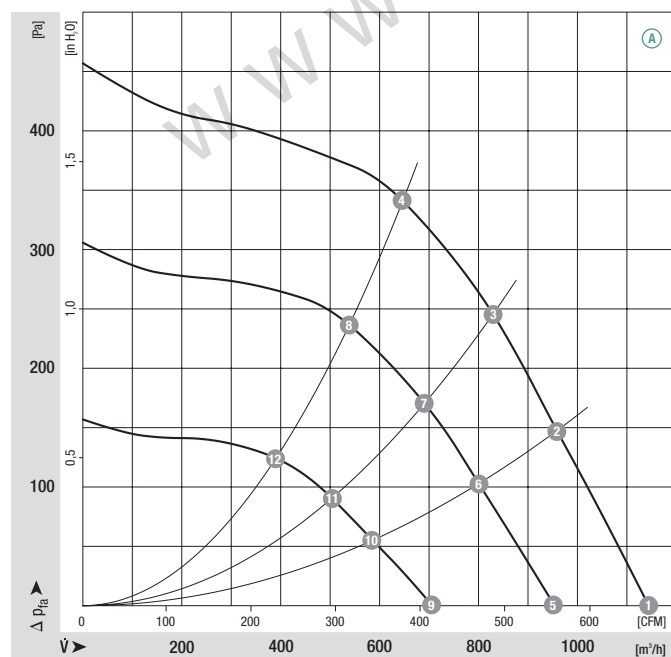
Nominal data

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
D3G 146	M3G 074-CF	Ⓐ	1~ 200-277	50/60	1740	171	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]	Lp _A [dB(A)]	η _{IL} [%]
Ⓐ 1	1740	171	1.30	67	—
Ⓐ 2	1960	169	1.20	65	49
Ⓐ 3	2150	165	1.20	65	56
Ⓐ 4	2410	166	1.20	66	55
Ⓐ 5	1460	103	0.70	62	—
Ⓐ 6	1650	102	0.80	60	46
Ⓐ 7	1820	104	0.80	60	53
Ⓐ 8	2020	102	0.70	61	52
Ⓐ 9	1090	47	0.40	55	—
Ⓐ 10	1220	46	0.40	56	41
Ⓐ 11	1330	46	0.40	52	47
Ⓐ 12	1480	46	0.40	53	44

- **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



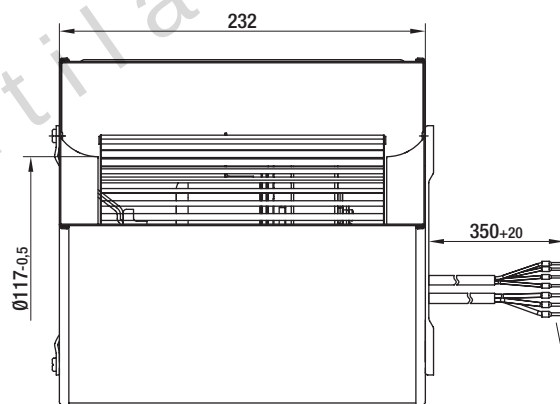
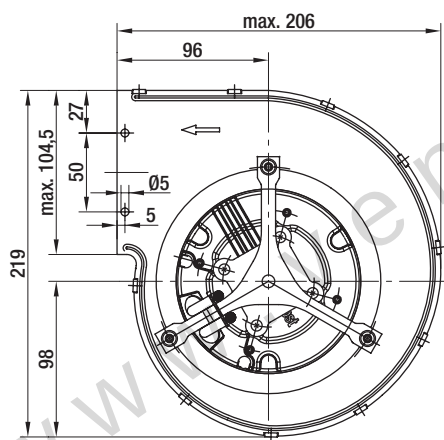
Mass of
centrifugal blower

Centrifugal blower
without flange

kg

D3G 146-AH50 -01

4.0



Core-end sleeves