

EC centrifugal fans and modules

backward curved, Ø 250



- **Material:** Support bracket: Steel, coated in black
Support plate: Sheet aluminium, spacer profiles: Aluminium
Impeller: Sheet aluminium, laser-welded
Rotor: Coated in black
Electronics enclosure: Die-cast aluminium
- **Number of blades:** 7
- **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

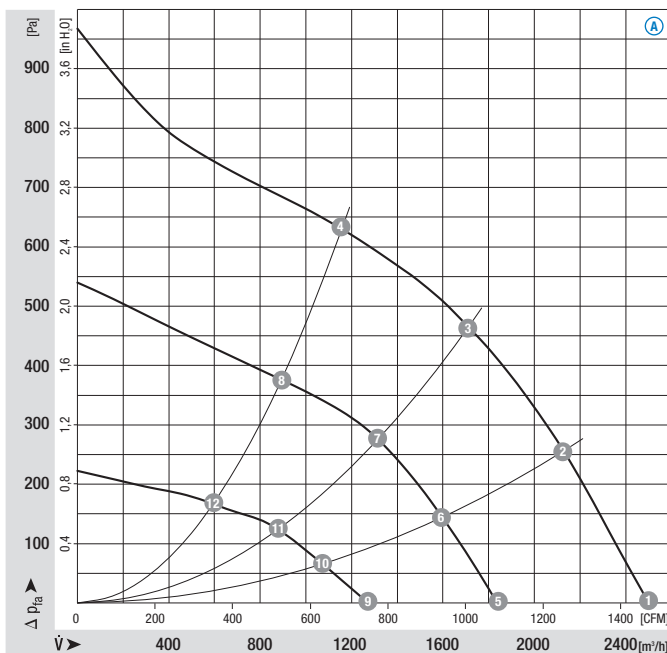
Nominal data

Type	Motor	Curve	Nominal voltage range VAC	Frequency Hz	Speed/rpm	Max. power input ⁽¹⁾ W	Max. current draw ⁽¹⁾ A	Perm. amb. temp. °C	Electr. connection
*3G 250	M3G 084-DF	A	1~ 200-277	50/60	2920	420	2,50	-25..+40	p. 26 K1)

subject to alterations

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

Curves

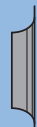


	n [rpm]	P ₁ [W]	I [A]	Lw _A [dB(A)]	η _{tl} [%]
A 1	3095	360	2,15	86	—
A 2	2965	396	2,35	81	55
A 3	2920	420	2,50	73	70
A 4	2935	404	2,40	73	63
A 5	2270	137	0,88	80	—
A 6	2220	163	1,03	78	53
A 7	2180	180	1,14	70	66
A 8	2220	169	1,07	70	60
A 9	1565	56	0,40	74	—
A 10	1525	62	0,43	72	50
A 11	1510	68	0,47	67	63
A 12	1520	64	0,44	60	58

- **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; VDE, CCC, GOST are applied for



Mass of centrifugal fan



Inlet nozzle with one pressure tap



Mass of centrifugal module with support bracket



Mass of centrifugal module with support plate

Centrifugal fan	kg	Inlet nozzle with one pressure tap	Centrifugal module w. support bracket	kg	Centrifugal module with support plate	kg
R3G 250-AT39 -71	4,5	25075-2-4013	K3G 250-AT39 -72	9,4	K3G 250-AT39 -71	10,4

