

# EC centrifugal blowers

dual inlet, Ø 225

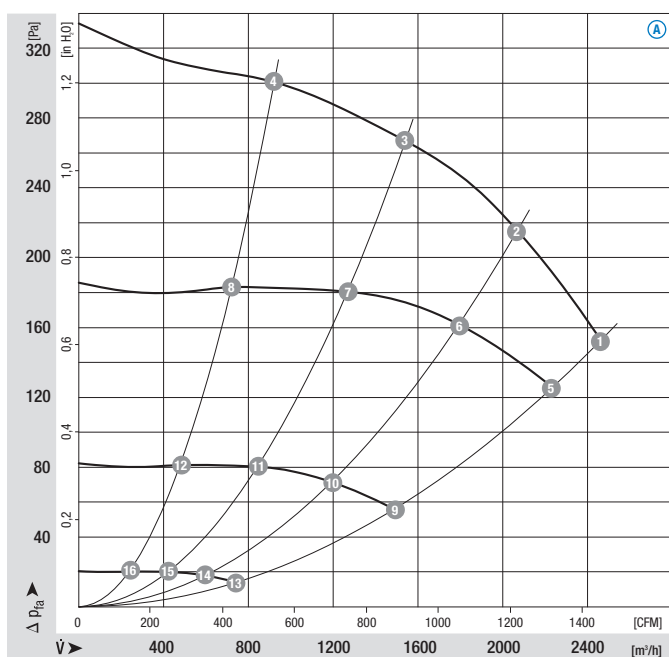


- **Material:** Housing: Galvanised sheet steel  
Impeller: Galvanised sheet steel  
Rotor: Coated in black  
Electronics enclosure: Die-cast aluminium
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 54
- **Insulation class:** "B"
- **Mounting position:** Shaft horizontal
- **Condensate discharges:** None
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

| Nominal data |            | Curve    | Nominal voltage | Frequency | Speed/rpm | Max. power input <sup>(1)</sup> | Max. current draw <sup>(1)</sup> | Min. back pressure | Perm. amb. temp. | Electr. connection |
|--------------|------------|----------|-----------------|-----------|-----------|---------------------------------|----------------------------------|--------------------|------------------|--------------------|
| Type         | Motor      | VAC      | Hz              | rpm       | W         | A                               | Pa                               | °C                 | p. 42            |                    |
| D3G 225      | M3G 084-FA | Ⓐ 1~ 230 | 50/60           | 1150      | 375       | 2,30                            | 150                              | -25..+50           | K1)              |                    |

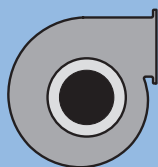
subject to alterations (1) Nominal data in operating point with maximum load

## Curves



|      | n [rpm] | P <sub>1</sub> [W] | I [A] | Lp <sub>A</sub> [dB(A)] |
|------|---------|--------------------|-------|-------------------------|
| Ⓐ 1  | 1150    | 375                | 2,30  | 67                      |
| Ⓐ 2  | 1210    | 320                | 2,07  | 66                      |
| Ⓐ 3  | 1275    | 260                | 1,69  | 64                      |
| Ⓐ 4  | 1345    | 190                | 1,26  | 62                      |
| Ⓐ 5  | 1050    | 278                | 1,69  | 65                      |
| Ⓐ 6  | 1050    | 209                | 1,35  | 62                      |
| Ⓐ 7  | 1050    | 145                | 0,94  | 59                      |
| Ⓐ 8  | 1050    | 90                 | 0,60  | 56                      |
| Ⓐ 9  | 700     | 82                 | 0,50  | 53                      |
| Ⓐ 10 | 700     | 62                 | 0,40  | 51                      |
| Ⓐ 11 | 700     | 43                 | 0,28  | 48                      |
| Ⓐ 12 | 700     | 27                 | 0,18  | 45                      |
| Ⓐ 13 | 350     | 10                 | 0,06  | 34                      |
| Ⓐ 14 | 350     | 8                  | 0,05  | 32                      |
| Ⓐ 15 | 350     | 5                  | 0,03  | 31                      |
| Ⓐ 16 | 350     | 3                  | 0,02  | 28                      |

- **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 is applied for



Mass of centrifugal blower

Centrifugal blower with flange

kg

D3G 225-CC14 -71

10,8

