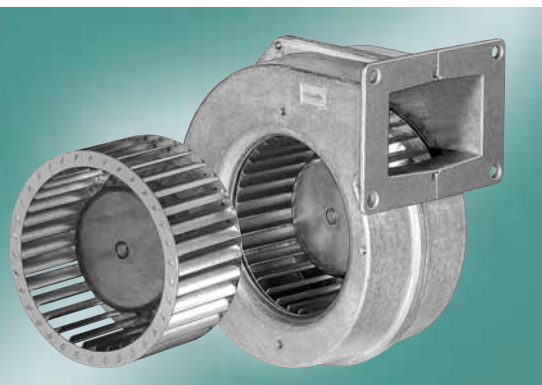


# EC centrifugal fans and blowers

single inlet, Ø 120



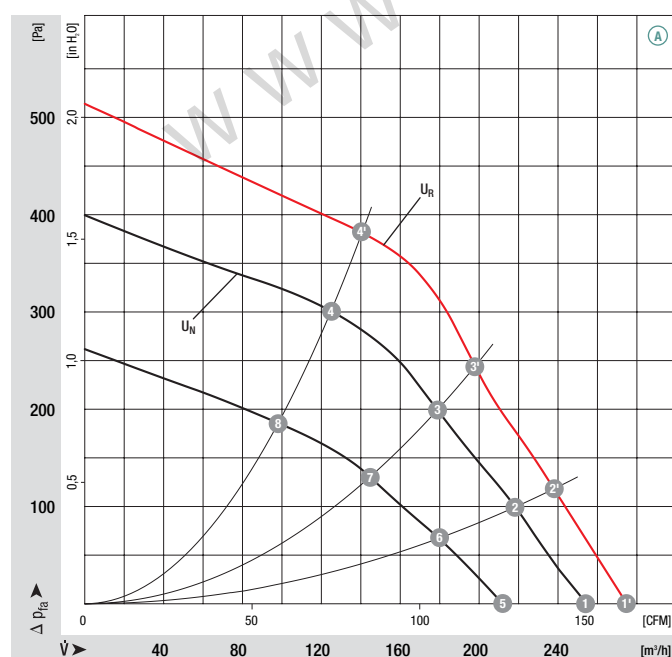
- **Material:** Housing: Die-cast aluminium  
Impeller: Hot-dip galvanised sheet steel  
Rotor: Galvanised
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 22
- **Insulation class:** "B"
- **Mounting position:** Any
- **Condensate discharges:** None
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

## Nominal data

| Type    | Motor      | Curve | Nominal voltage<br>VDC | Voltage range<br>VDC | Air flow<br>m³/h | Speed/rpm | Power input<br>W | Current draw<br>A | Sound pressure level<br>dB(A) | Min. back pressure<br>Pa | Perm. amb. temp.<br>°C | Electr. connection<br>p. 600 |
|---------|------------|-------|------------------------|----------------------|------------------|-----------|------------------|-------------------|-------------------------------|--------------------------|------------------------|------------------------------|
| *1G 120 | M1G 055-BD | Ⓐ     | 24                     | 16-28                | 255              | 2200      | 40               | 1.90              | 62                            | 0                        | -25 to +60             | G)                           |
| *1G 120 | M1G 055-BD | Ⓐ     | 48                     | 36-57                | 255              | 2200      | 40               | 0.95              | 62                            | 0                        | -25 to +60             | G)                           |

subject to alterations

## Curves

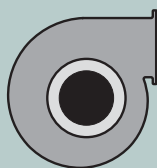


|      | n<br>[rpm] | P <sub>1</sub><br>[W] | L <sub>pA</sub><br>[dB(A)] | η <sub>HL</sub><br>[%] |
|------|------------|-----------------------|----------------------------|------------------------|
| Ⓐ 1' | 2410       | 50                    | 63                         | —                      |
| Ⓐ 2' | 2620       | 47                    | 62                         | 58                     |
| Ⓐ 3' | 2870       | 44                    | 61                         | 60                     |
| Ⓐ 4' | 3200       | 36                    | 62                         | 55                     |
| Ⓐ 1  | 2200       | 40                    | 62                         | —                      |
| Ⓐ 2  | 2410       | 36                    | 60                         | 59                     |
| Ⓐ 3  | 2600       | 32                    | 58                         | 62                     |
| Ⓐ 4  | 2880       | 25                    | 58                         | 55                     |
| Ⓐ 5  | 1870       | 24                    | 55                         | —                      |
| Ⓐ 6  | 1990       | 21                    | 54                         | 58                     |
| Ⓐ 7  | 2100       | 18                    | 53                         | 61                     |
| Ⓐ 8  | 2310       | 14                    | 54                         | 54                     |

- **Technical features:**
  - Control input 0-10 VDC / PWM
- **EMC:** Interference emission acc. to EN 61000-6-3  
Interference immunity acc. to EN 61000-6-2
- **Cable exit:** Axial
- **Protection class:** I
- **Product conforming to standard:** EN 60950-1
- **Approvals:** (A) (24 VDC) UL, CSA, (A) (48 VDC) CCC
- Tach output
- Reverse polarity and locked-rotor protection



Mass of centrifugal fan



Mass of centrifugal blower

| Centrifugal fan  | kg  | Centrifugal blower with flange | kg  |
|------------------|-----|--------------------------------|-----|
| R1G 120-AB67 -02 | 0.8 | G1G 120-AB67 -02               | 1.6 |
| R1G 120-AB71 -02 | 0.8 | G1G 120-AB71 -02               | 1.6 |

