

# AC centrifugal fan with housing (without flange)

forward curved, dual inlet



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### Nominal data

|                               |                      |      |      |
|-------------------------------|----------------------|------|------|
| Type                          | D2E097-BI56-02       |      |      |
| Motor                         | M2E052-CA            |      |      |
| Phase                         |                      | 1~   | 1~   |
| Nominal voltage               | [V]                  | 230  | 230  |
| Frequency                     | [Hz]                 | 50   | 60   |
| Type of data definition       |                      | rfa  | rfa  |
| Valid for approval / standard |                      | CE   | CE   |
| Speed                         | [min <sup>-1</sup> ] | 1950 | 1850 |
| Power input                   | [W]                  | 87   | 100  |
| Current draw                  | [A]                  | 0.39 | 0.45 |
| Motor capacitor               | [μF]                 | 2    | 2    |
| Capacitor voltage             | [VDB]                | 400  | 400  |
| Min. back pressure            | [Pa]                 | 0    | 0    |
| Max. ambient temperature      | [°C]                 | 40   | 35   |
| Air flow                      | [m <sup>3</sup> /h]  | 435  | 410  |
| Back pressure                 | [Pa]                 | 0    | 0    |
| Sound pressure level          | [dB(A)]              | 58   | 57   |

ml = max. load · me = max. efficiency · rfa = running at free air · cs = customer specs · cu = customer unit  
Subject to alterations

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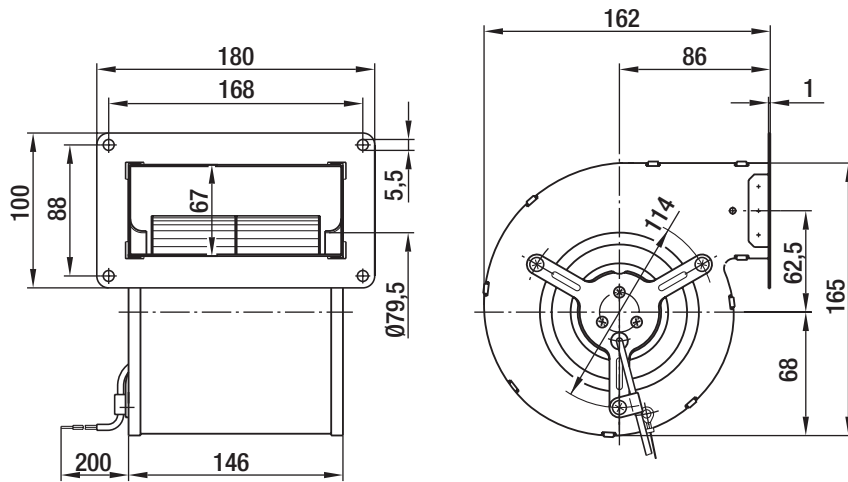
## Technical features

|                                |                                                   |
|--------------------------------|---------------------------------------------------|
| Leakage current                | < 0,75 mA                                         |
| General description            | Without flange                                    |
| Size                           | 97 mm                                             |
| Operation mode                 | Continuous operation (S1)                         |
| Direction of rotation          | Counter-clockwise, seen on rotor                  |
| Insulation class               | "B"                                               |
| Bearing-motor                  | Ball bearing                                      |
| Mass                           | 1.5 kg                                            |
| Housing material               | Senzimir galvanized sheet steel                   |
| Material of impeller           | Senzimir galvanized sheet steel                   |
| Motor protection               | Thermal overload protector (TOP) wired internally |
| Product conforming to standard | CE                                                |
| Type of protection             | IP 20                                             |
| Protection class               | I                                                 |
| Approval                       | CCC; GOST                                         |

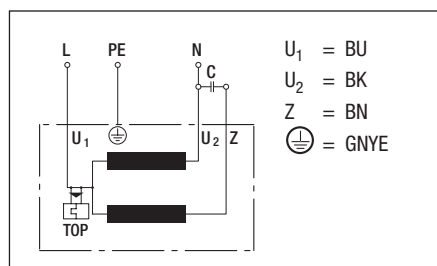
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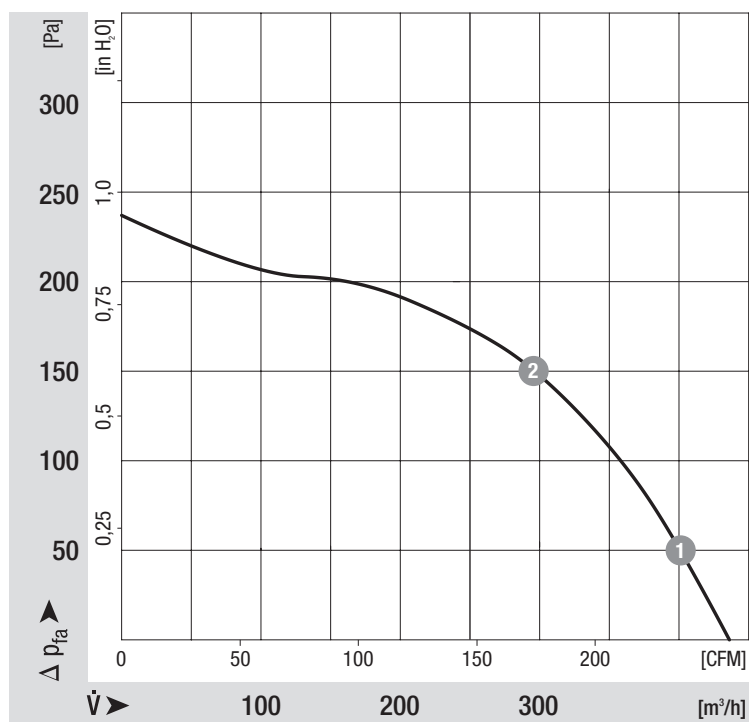
## Product drawing



## Connection screen



## Charts: Air flow 50 Hz



|   | n                    | P <sub>1</sub> | I    |
|---|----------------------|----------------|------|
|   | [min <sup>-1</sup> ] | [W]            | [A]  |
| 1 | 2150                 | 83             | 0.37 |
| 2 | 2475                 | 73             | 0.33 |

## Charts: Air flow 60 Hz

