

## KARTA KATALOGOWA

# D2E097-CH85-02

Dmuchawa promieniowa AC, łopatki zakrzywione do przodu,  
dwustronnie ssąca, w obudowie

Producent: ebm-papst

| Dane znamionowe               |                              | Budowa            |                           |
|-------------------------------|------------------------------|-------------------|---------------------------|
| Napięcie znamionowe           | 1~ 230 V                     | Wielkość          | 97 mm                     |
| Częstotliwość                 | 50/60 Hz                     | Materiał wirnika  | blacha stalowa ocynkowana |
| Wydajność                     | 180 / 170 m³/h               | Materiał obudowy  | blacha stalowa ocynkowana |
| Prędkość obrotowa             | 1550 / 1450 obr/min          | Stopień ochrony   | IP20                      |
| Pobór mocy                    | 28 / 32 W                    | Klasa izolacji    | B                         |
| Pobór prądu                   | 0,13 / 0,15 A                | Krzywa w katalogu | A                         |
| Kondensator                   | 1,0 µF / 400 V               |                   |                           |
| Poziom ciśnienia akustycznego | 46 / 44 dB(A)                |                   |                           |
| Temperatura otoczenia         | -25...+85 °C (60 Hz: +80 °C) |                   |                           |

Dane na podstawie katalogu producenta ebm-papst (strony katalogowe serii na kolejnych stronach).  
Wartości dla 50 Hz / 60 Hz; producent zastrzega możliwość zmian.

**Dobór, wycena i dostawa – zapytaj LUFTBERG**

tel. +48 600 100 371 · tel. +48 604 959 199  
biuro@luftberg.pl · www.luftberg.pl

AC centrifugal blowers  
 dual inlet, Ø 097

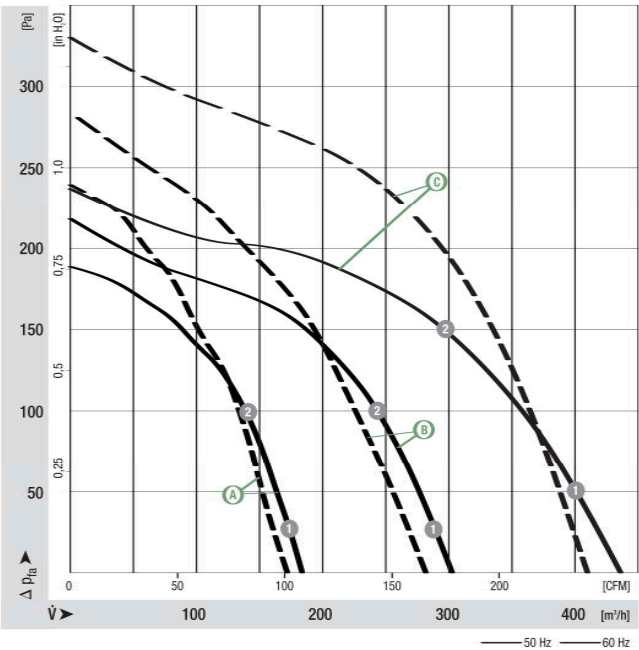


- **Material:** Housing: Galvanised sheet steel  
Impeller: Galvanised sheet steel  
Rotor: Partially cast in aluminium
- **Direction of rotation:** Counter-clockwise, seen on rotor
- **Type of protection:** IP 20
- **Insulation class:** "B"
- **Mounting position:** Any
- **Condensate discharges:** None
- **Mode of operation:** Continuous operation (S1)
- **Design:** Standard external-rotor motor mounted via brackets on one side
- **Bearings:** Maintenance-free ball bearings

| Nominal data |            | Curve | Nominal voltage | Frequency | Air flow | Speed/rpm | Power input | Current draw | Capacitor | Sound pressure level | Min. back pressure | Perm. amb. temp. | Electr. connection |
|--------------|------------|-------|-----------------|-----------|----------|-----------|-------------|--------------|-----------|----------------------|--------------------|------------------|--------------------|
| Type         | Motor      |       | VAC             | Hz        | m³/h     | rpm       | W           | A            | µF/VDB    | dB(A)                | Pa                 | °C               | p. 596 f.          |
| D2E 097      | M2E 052-BF | A     | 1~ 230          | 50        | 180      | 1550      | 28          | 0.13         | 1.0/400   | 46                   | 0                  | -25 to +85       | A1)                |
|              |            |       | 1~ 230          | 60        | 170      | 1450      | 32          | 0.15         | 1.0/400   | 44                   | 0                  | -25 to +80       |                    |
| D2E 097      | M2E 052-BF | B     | 1~ 230          | 50        | 300      | 1350      | 50          | 0.23         | 1.5/400   | 50                   | 0                  | -25 to +70       | A1)                |
|              |            |       | 1~ 230          | 60        | 280      | 1250      | 55          | 0.25         | 1.5/400   | 48                   | 0                  | -25 to +55       |                    |
| D2E 097      | M2E 052-CA | C     | 1~ 230          | 50        | 435      | 1950      | 87          | 0.39         | 2.0/400   | 58                   | 0                  | -25 to +40       | A1)                |
|              |            |       | 1~ 230          | 60        | 410      | 1850      | 100         | 0.45         | 2.0/400   | 57                   | 0                  | -25 to +35       |                    |

subject to alterations

Curves



|     | n<br>[rpm] | P <sub>1</sub><br>[W] | I<br>[A] |
|-----|------------|-----------------------|----------|
| A 1 | 1670       | 27                    | 0.13     |
| A 2 | 2080       | 25                    | 0.12     |
| B 1 | 1490       | 48                    | 0.22     |
| B 2 | 2000       | 44                    | 0.20     |
| C 1 | 2150       | 83                    | 0.37     |
| C 2 | 2475       | 73                    | 0.33     |

- **Motor protection:** TOP wired internally
- **Cable exit:** Variable
- **Protection class:** I
- **Product conforming to standards:** EN 60335-1, CE
- **Approvals:** CCC, GOST

General information

AC centrifugal, backward

AC centrifugal, forward

EC centrifugal, backward

EC centrifugal, backward for clean rooms

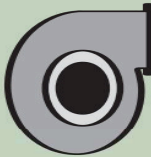
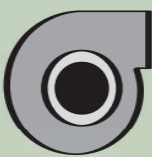
EC centrifugal, forward

EC-SYSTEMS

Accessories

Technology

Contacts



Mass of centrifugal blower

Dimensions

| Centrifugal blower without flange | Centrifugal blower with flange | kg  | A     | B     | C     | D    | E    | H    | I     | K     | L    | M     | N    | O     | P    |
|-----------------------------------|--------------------------------|-----|-------|-------|-------|------|------|------|-------|-------|------|-------|------|-------|------|
| D2E 097-CH85 -02                  | D2E 097-CH85 -48               | 1.5 | 140.0 | 128.0 | 78.0  | 66.0 | 46.0 | 80.0 | 108.0 | 144.0 | 76.0 | 137.0 | 62.0 | 96.0  | 51.0 |
| D2E 097-BK66 -02                  | D2E 097-BK66 -48               | 1.5 | 180.0 | 168.0 | 100.0 | 88.0 | 67.0 | 79.5 | 146.0 | 162.0 | 86.0 | 165.0 | 68.0 | 114.0 | 62.5 |
| D2E 097-BI56 -02                  | D2E 097-BI56 -48               | 1.5 | 180.0 | 168.0 | 100.0 | 88.0 | 67.0 | 79.5 | 146.0 | 162.0 | 86.0 | 165.0 | 68.0 | 114.0 | 62.5 |

