

# AC axial fan

sickled blades (S series)

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**Nominal data**

|                               |                      |      |      |
|-------------------------------|----------------------|------|------|
| Type                          | A4E350-AP06-02       |      |      |
| Motor                         | M4E074-DF            |      |      |
| 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> ] | 1400 | 1590 |
| Power input                   | [W]                  | 130  | 190  |
| Current draw                  | [A]                  | 0.58 | 0.83 |
| Motor capacitor               | [μF]                 | 4    | 4    |
| Capacitor voltage             | [VDB]                | 400  | 400  |
| Max. back pressure            | [Pa]                 | 90   | 60   |
| Max. ambient temperature      | [°C]                 | 55   | 55   |

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

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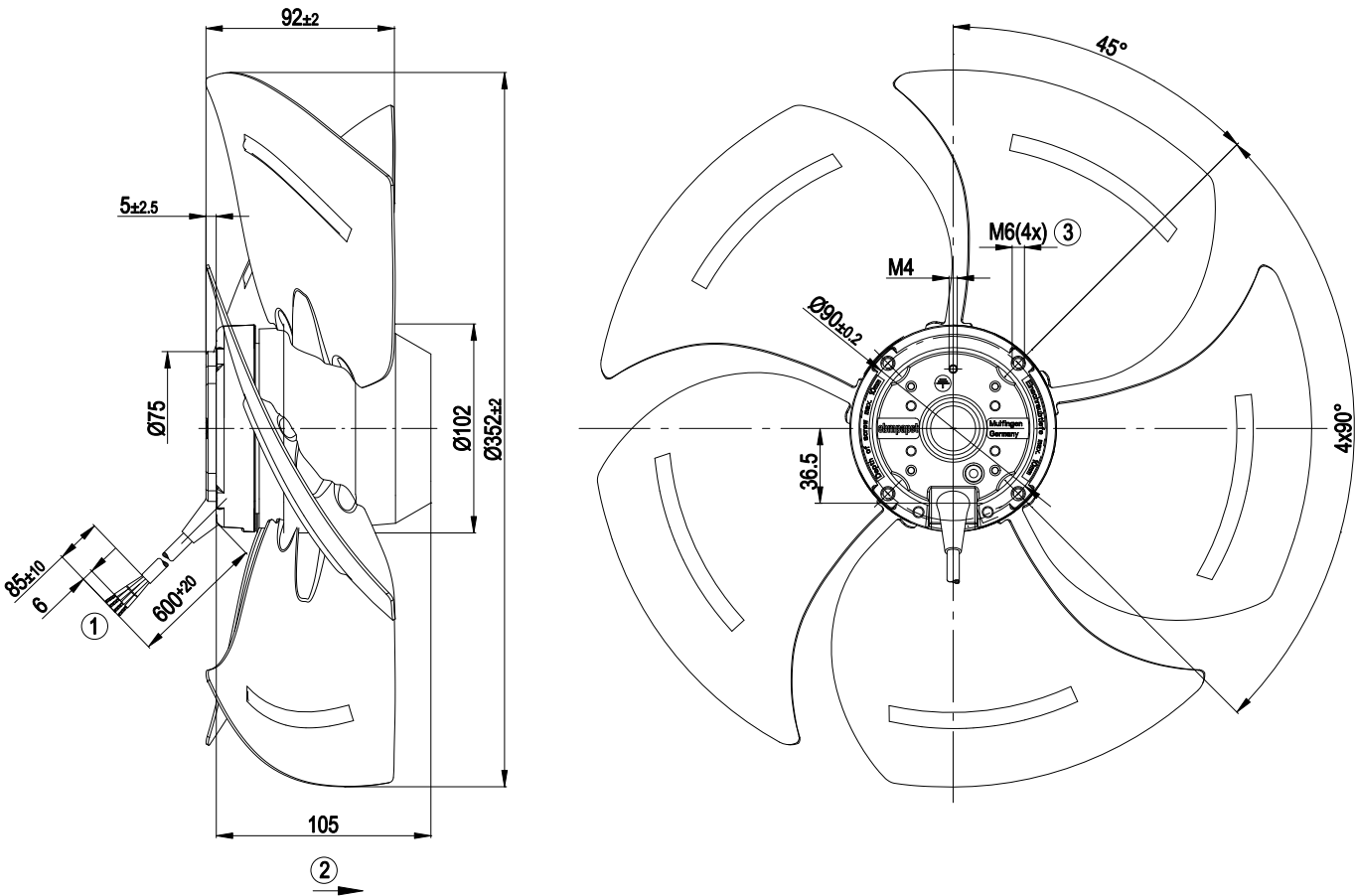
## Technical features

|                                                         |                                                                 |
|---------------------------------------------------------|-----------------------------------------------------------------|
| Leakage current                                         | < 0,75 mA                                                       |
| Size                                                    | 350 mm                                                          |
| Operation mode                                          | S1                                                              |
| Direction of rotation                                   | Clockwise, seen on rotor                                        |
| Mounting position                                       | Shaft horizontal or rotor on bottom; rotor on top on request    |
| Humidity class                                          | F1-2                                                            |
| Direction of air flow                                   | "A"                                                             |
| Insulation class                                        | "F"                                                             |
| Cable exit                                              | Variable                                                        |
| Condensate discharge holes                              | Rotor-side                                                      |
| Bearing motor                                           | Ball bearing                                                    |
| Mass                                                    | 3.53 kg                                                         |
| Material of blades                                      | Sheet steel, coated in black                                    |
| Motor protection                                        | Thermal overload protector (TOP) wired internally               |
| Product conforming to standard                          | CE; EN 60335-1                                                  |
| Surface of rotor                                        | Coated in black                                                 |
| Number of blades                                        | 5                                                               |
| Type of protection                                      | IP 44; Depending on installation and position as per EN 60034-5 |
| Protection class                                        | I                                                               |
| Max. permissible ambient motor temp. (transp./ storage) | + 80 °C                                                         |
| Min. permissible ambient motor temp. (transp./storage)  | - 40 °C                                                         |
| Approval                                                | CCC                                                             |

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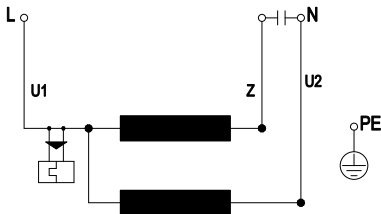
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## Product drawing



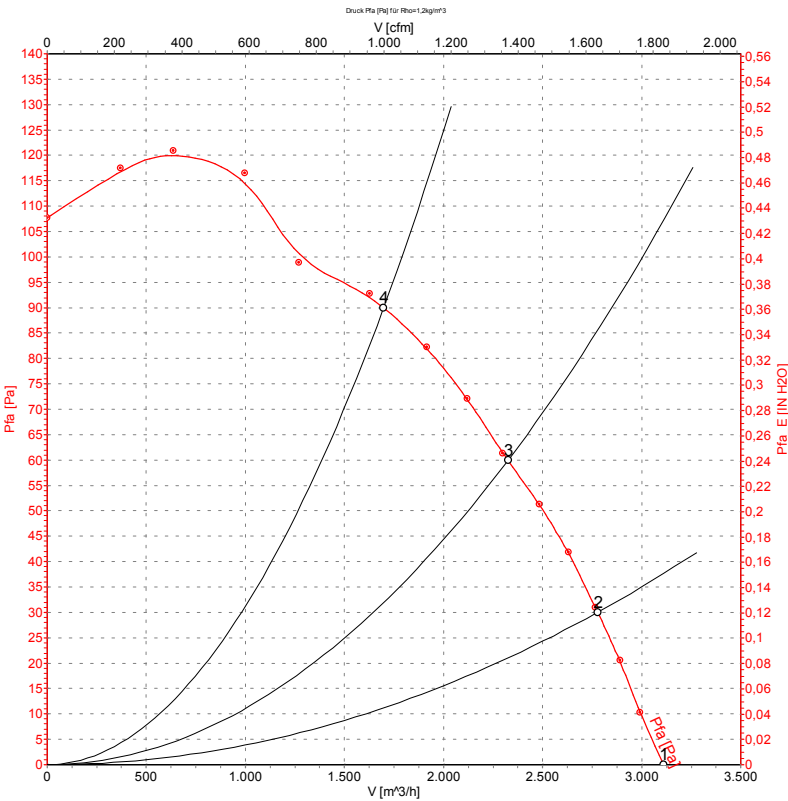
- |   |                                                                            |
|---|----------------------------------------------------------------------------|
| 1 | Connection line silicone 0.5 mm <sup>2</sup> , 4 x brass lead tips crimped |
| 2 | Direction of air flow "A"                                                  |
| 3 | Depth of screw max. 10 mm                                                  |

## Connection screen



|    |              |   |       |    |       |
|----|--------------|---|-------|----|-------|
| U1 | blue         | Z | brown | U2 | black |
| PE | green/yellow |   |       |    |       |

Charts: Air flow 50 Hz



Measurement: LU-28525

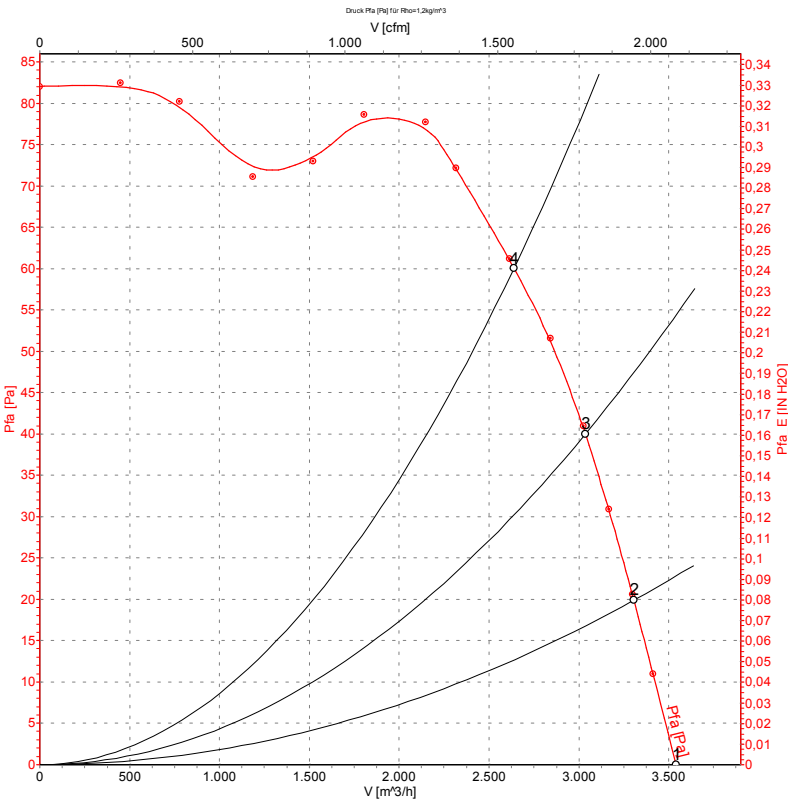
Measured values

|   | U   | f    | n                   | $P_1$ | I    | $\hat{V}$               | $P_{fa}$ |
|---|-----|------|---------------------|-------|------|-------------------------|----------|
|   | [V] | [Hz] | $[\text{min}^{-1}]$ | [W]   | [A]  | $[\text{m}^3/\text{h}]$ | [Pa]     |
| 1 | 230 | 50   | 1400                | 130   | 0.58 | 3110                    | 0        |
| 2 | 230 | 50   | 1380                | 140   | 0.61 | 2780                    | 30       |
| 3 | 230 | 50   | 1355                | 151   | 0.66 | 2325                    | 60       |
| 4 | 230 | 50   | 1290                | 174   | 0.76 | 1700                    | 90       |

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## Charts: Air flow 60 Hz



Measurement: LU-28527

## Measured values

|   | U   | f    | n                    | P <sub>1</sub> | I    | $\hat{V}$ | P <sub>fa</sub> |
|---|-----|------|----------------------|----------------|------|-----------|-----------------|
|   | [V] | [Hz] | [min <sup>-1</sup> ] | [W]            | [A]  | [m³/h]    | [Pa]            |
| 1 | 230 | 60   | 1590                 | 190            | 0.83 | 3540      | 0               |
| 2 | 230 | 60   | 1565                 | 196            | 0.85 | 3305      | 20              |
| 3 | 230 | 60   | 1520                 | 203            | 0.88 | 3035      | 40              |
| 4 | 230 | 60   | 1455                 | 208            | 0.90 | 2640      | 60              |