

with guard grille

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**Nominal data**

| Type                        | S6E350-Z004-01    |         |         |
|-----------------------------|-------------------|---------|---------|
| Motor                       | M6E068-DF         |         |         |
| Phase                       |                   | 1~      | 1~      |
| Nominal voltage             | VAC               | 230     | 230     |
| Frequency                   | Hz                | 50      | 60      |
| Method of obtaining data    |                   | ml      | ml      |
| Valid for approval/standard |                   | CE      | CE      |
| Speed (rpm)                 | min <sup>-1</sup> | 830     | 890     |
| Power consumption           | W                 | 57      | 67      |
| Current draw                | A                 | 0.27    | 0.3     |
| Capacitor                   | µF                | 1.5     | 1.5     |
| Capacitor voltage           | VDB               | 400     | 400     |
| Capacitor standard          |                   | S0 (CE) | S0 (CE) |
| Max. back pressure          | Pa                | 47      | 55      |
| Max. back pressure          | in. wg            | 0.19    | 0.22    |
| Min. ambient temperature    | °C                | -25     | -25     |
| Max. ambient temperature    | °C                | 60      | 60      |
| Starting current            | A                 | 0.38    | 0.36    |

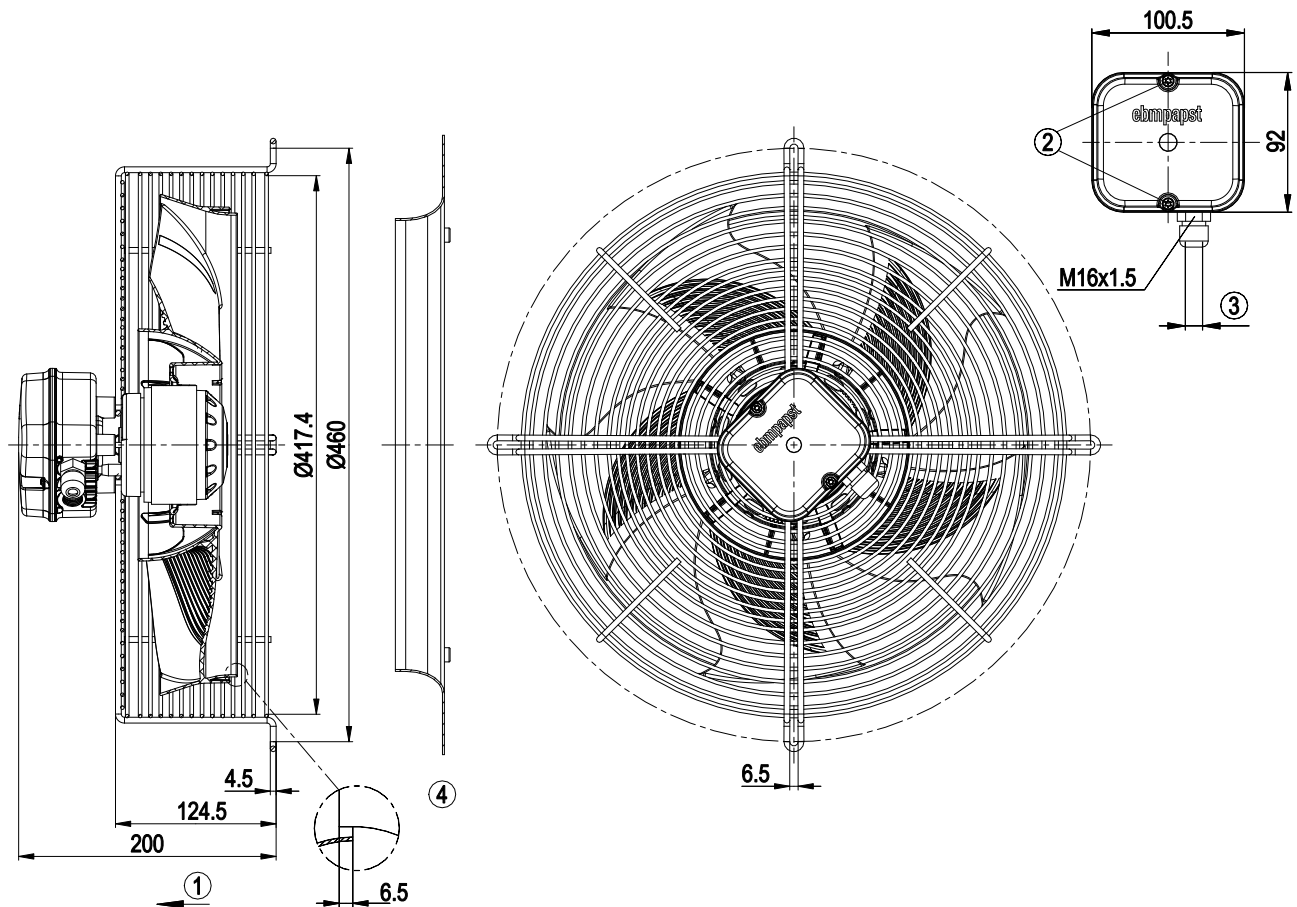
ml = Max. load · me = Max. efficiency · fa = Free air · cs = Customer specification · ce = Customer equipment  
Subject to change

## Technical description

|                                                                            |                                                                                                                                                                                            |
|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Weight                                                                     | 5.66 kg                                                                                                                                                                                    |
| Size                                                                       | 350 mm                                                                                                                                                                                     |
| Motor size                                                                 | 68                                                                                                                                                                                         |
| Rotor surface                                                              | Painted black                                                                                                                                                                              |
| Terminal box material                                                      | PP plastic                                                                                                                                                                                 |
| Impeller material                                                          | PP plastic, galvanized sheet-metal plate                                                                                                                                                   |
| Guard grille material                                                      | Steel, coated with black plastic (RAL 9005)                                                                                                                                                |
| Number of blades                                                           | 5                                                                                                                                                                                          |
| Airflow direction                                                          | V                                                                                                                                                                                          |
| Direction of rotation                                                      | Clockwise, viewed toward rotor                                                                                                                                                             |
| Degree of protection                                                       | IP44; installation- and position-dependent as per EN 60034-5                                                                                                                               |
| Insulation class                                                           | "F"                                                                                                                                                                                        |
| Moisture (F) / Environmental (H) protection class                          | H1                                                                                                                                                                                         |
| Max. permitted ambient temp. for motor (transport/storage)                 | + 80 °C                                                                                                                                                                                    |
| Min. permitted ambient temp. for motor (transport/storage)                 | - 40 °C                                                                                                                                                                                    |
| Installation position                                                      | Shaft horizontal or rotor on bottom; rotor on top on request                                                                                                                               |
| Condensation drainage holes                                                | On rotor side                                                                                                                                                                              |
| Mode                                                                       | S1                                                                                                                                                                                         |
| Motor bearing                                                              | Ball bearing                                                                                                                                                                               |
| Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system) | < 0.75 mA                                                                                                                                                                                  |
| Electrical hookup                                                          | Terminal box; Capacitor integrated and connected                                                                                                                                           |
| Motor protection                                                           | Thermal switch auto reset, internally connected                                                                                                                                            |
| With cable                                                                 | Axial                                                                                                                                                                                      |
| Protection class assignment                                                | I; If a protective earth is connected.<br>The built-in component has several local protection class assignments.<br>The final protection class is determined by the intended installation. |
| Motor capacitor according to EN 60252-1 in safety protection class         | S0                                                                                                                                                                                         |
| Conformity with standards                                                  | EN 60034-1; EN 60204-1; EN 60335-1; CE                                                                                                                                                     |
| Comment on CE                                                              | Ecodesign Directive 2009/125/EC + Fan Directive (EC) No. 327/2011 does not apply, as power consumption <125W.                                                                              |
| Approval                                                                   | EAC; CCC; CSA C22.2 No. 100; UL 1004-1                                                                                                                                                     |

with guard grille

## Product drawing

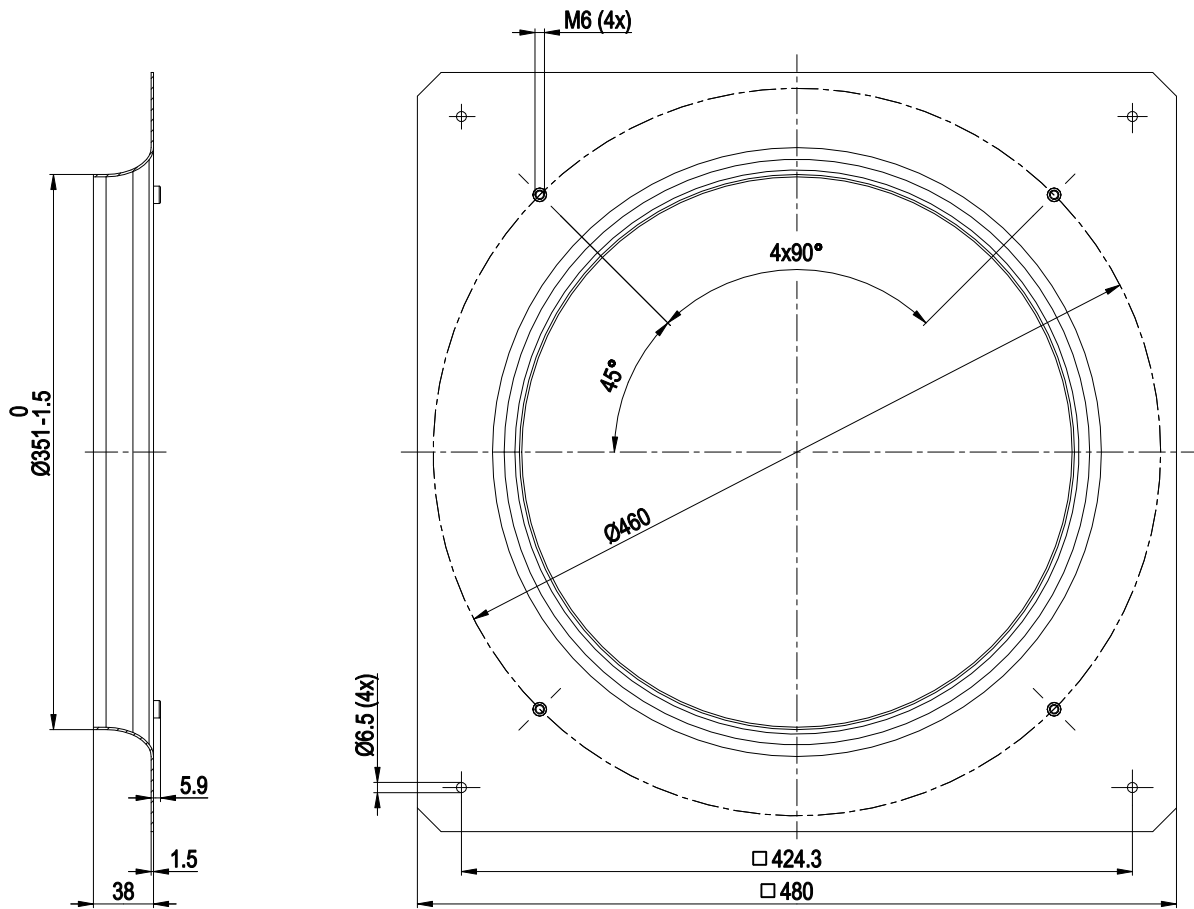


|   |                                                                           |
|---|---------------------------------------------------------------------------|
| 1 | Airflow direction "V"                                                     |
| 2 | Tightening torque $1.5 \pm 0.2$ Nm                                        |
| 3 | Cable diameter max. 7.5 mm, tightening torque $1.3 \pm 0.2$ Nm            |
| 4 | Accessory part: Inlet ring 35100-2-4013 not included in scope of delivery |

# AC axial panel fan - AxiEco

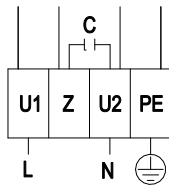
with guard grille

## Accessory part



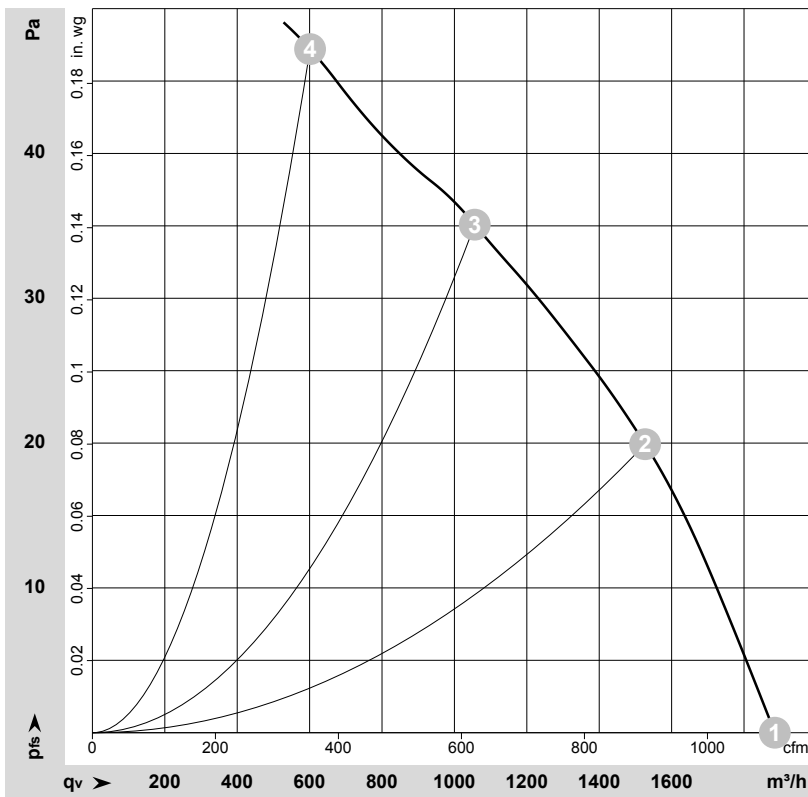
Inlet ring 35100-2-4013

## Connection diagram



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

## Curves: Air performance 50 Hz



$$\rho = 1.15 \text{ kg/m}^3 \pm 2 \%$$

Measurement: LU-208314-1  
Date: 2020-08-19

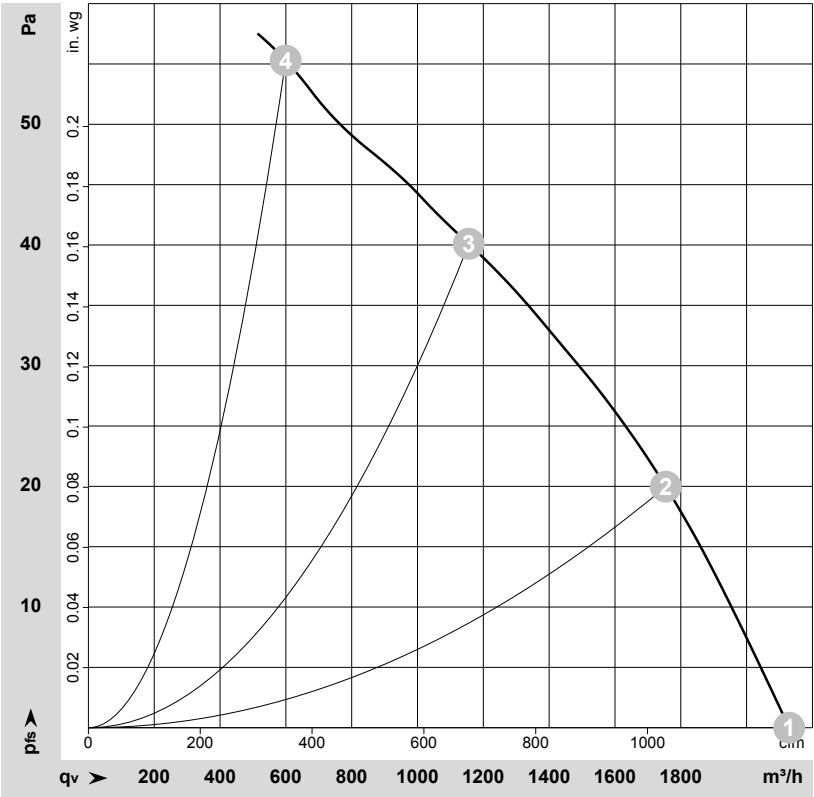
Air performance measured according to ISO 5801 installation category A. For detailed information on the measurement setup, contact ebm-papst. Intake sound level: Sound power level according to ISO 13347 / sound pressure level measured at 1 m distance from fan axis. The values given are valid under the specified measuring conditions and may vary due to conditions of installation. For deviations from the standard configuration, the parameters have to be checked on the installed unit.

## Measured values

|   | Wired | U   | f  | n                 | P <sub>e</sub> | I    | LpA <sub>in</sub> | LwA <sub>in</sub> | q <sub>v</sub>    | p <sub>fs</sub> | q <sub>v</sub> | p <sub>fs</sub> |
|---|-------|-----|----|-------------------|----------------|------|-------------------|-------------------|-------------------|-----------------|----------------|-----------------|
|   |       | V   | Hz | min <sup>-1</sup> | W              | A    | dB(A)             | dB(A)             | m <sup>3</sup> /h | Pa              | cfm            | in. wg          |
| 1 | 1~    | 230 | 50 | 880               | 51             | 0.25 | 51                | 57                | 1885              | 0               | 1110           | 0.00            |
| 2 | 1~    | 230 | 50 | 855               | 54             | 0.26 | 47                | 54                | 1525              | 20              | 900            | 0.08            |
| 3 | 1~    | 230 | 50 | 840               | 56             | 0.26 | 47                | 54                | 1055              | 35              | 620            | 0.14            |
| 4 | 1~    | 230 | 50 | 830               | 57             | 0.27 | 50                | 57                | 600               | 47              | 355            | 0.19            |

Wired = Wiring · U = Voltage · f = Frequency · n = Speed (rpm) · P<sub>e</sub> = Power consumption · I = Current draw · LpA<sub>in</sub> = Sound pressure level intake side · LwA<sub>in</sub> = Sound power level intake side  
q<sub>v</sub> = Air flow · p<sub>fs</sub> = Pressure increase

Curves: Air performance 60 Hz



$\rho = 1.15 \text{ kg/m}^3 \pm 2 \%$

Measurement: LU-208315-1  
Date: 2020-08-19

Air performance measured according to ISO 5801 installation category A. For detailed information on the measurement setup, contact ebm-papst. Intake sound level: Sound power level according to ISO 13347 / sound pressure level measured at 1 m distance from fan axis. The values given are valid under the specified measuring conditions and may vary due to conditions of installation. For deviations from the standard configuration, the parameters have to be checked on the installed unit.

Measured values

|   | Wired | U   | f  | n                 | P <sub>e</sub> | I    | LpA <sub>in</sub> | LwA <sub>in</sub> | q <sub>v</sub>    | p <sub>fs</sub> | q <sub>v</sub> | p <sub>fs</sub> |
|---|-------|-----|----|-------------------|----------------|------|-------------------|-------------------|-------------------|-----------------|----------------|-----------------|
|   |       | V   | Hz | min <sup>-1</sup> | W              | A    | dB(A)             | dB(A)             | m <sup>3</sup> /h | Pa              | cfm            | in. wg          |
| 1 | 1~    | 230 | 60 | 995               | 60             | 0.26 | 52                | 58                | 2130              | 0               | 1255           | 0.00            |
| 2 | 1~    | 230 | 60 | 945               | 64             | 0.28 | 49                | 55                | 1755              | 20              | 1030           | 0.08            |
| 3 | 1~    | 230 | 60 | 905               | 66             | 0.29 | 47                | 54                | 1155              | 40              | 680            | 0.16            |
| 4 | 1~    | 230 | 60 | 890               | 67             | 0.30 | 51                | 58                | 600               | 55              | 355            | 0.22            |

Wired = Wiring · U = Voltage · f = Frequency · n = Speed (rpm) · P<sub>e</sub> = Power consumption · I = Current draw · LpA<sub>in</sub> = Sound pressure level intake side · LwA<sub>in</sub> = Sound power level intake side  
q<sub>v</sub> = Air flow · p<sub>fs</sub> = Pressure increase