

## ASIA PACIFIC SHENGRUI LIMITED

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## Nominal data

|                               |                      |      |      |
|-------------------------------|----------------------|------|------|
| Type                          | R4E310-AF12-05       |      |      |
| Motor                         | M4E074-DF            |      |      |
| Phase                         |                      | 1~   | 1~   |
| Nominal voltage               | [V]                  | 230  | 230  |
| Frequency                     | [Hz]                 | 50   | 60   |
| Type of data definition       |                      | ml   | ml   |
| Valid for approval / standard |                      | CE   | CE   |
| Speed                         | [min <sup>-1</sup> ] | 1430 | 1670 |
| Power input                   | [W]                  | 105  | 150  |
| Current draw                  | [A]                  | 0.47 | 0.67 |
| Motor capacitor               | [μF]                 | 4    | 4    |
| Capacitor voltage             | [VDB]                | 400  | 400  |
| Min. back pressure            | [Pa]                 | 0    | 0    |
| Max. ambient temperature      | [°C]                 | 60   | 50   |

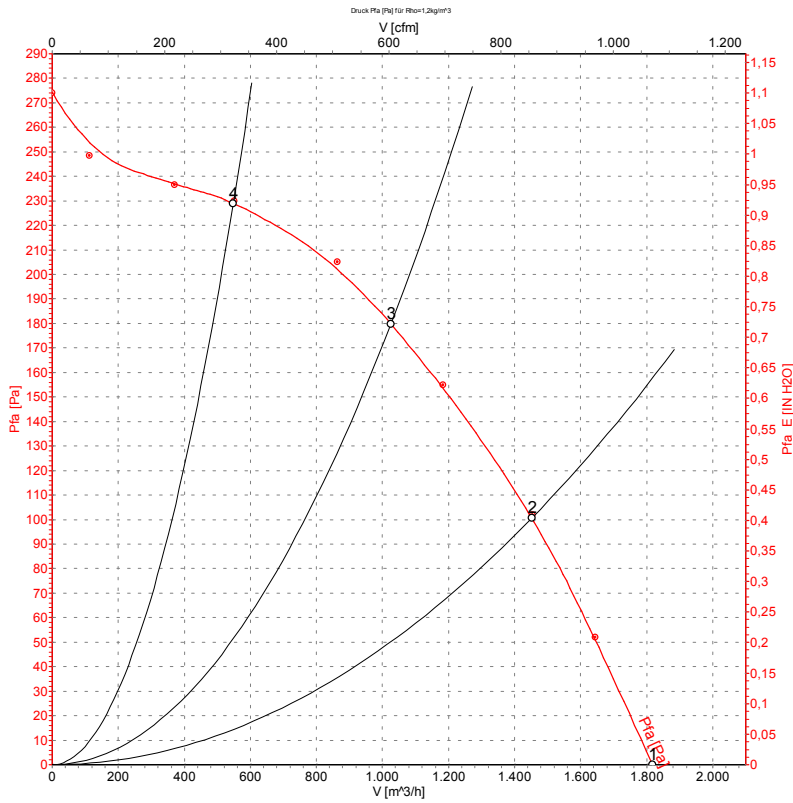
ml = max. load · me = max. efficiency · rfa = running at free air · cs = customer specs · cu = customer unit  
Subject to alterations

## Technical features

|   |  |
|---|--|
| Leakage current   | < 0,75 mA  |
| Size  | 310 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   |
| Insulation class  | "B"  |
| Cable exit  | Axial  |
| Condensate discharge holes                              | None   |
| Bearing motor   | Ball bearing   |
| Mass  | 3.7 kg   |
| Material of impeller                                    | Plastic PA6, fibreglass-reinforced                           |
| 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  | 6  |
| Type of protection                                      | IP 44 - depending on position                                |
| Protection class  | I  |
| Max. permissible ambient motor temp. (transp./ storage) | + 80 °C  |
| Min. permissible ambient motor temp. (transp./storage)  | - 40 °C  |
| Approval  | CCC  |



## Charts: Air flow 50 Hz

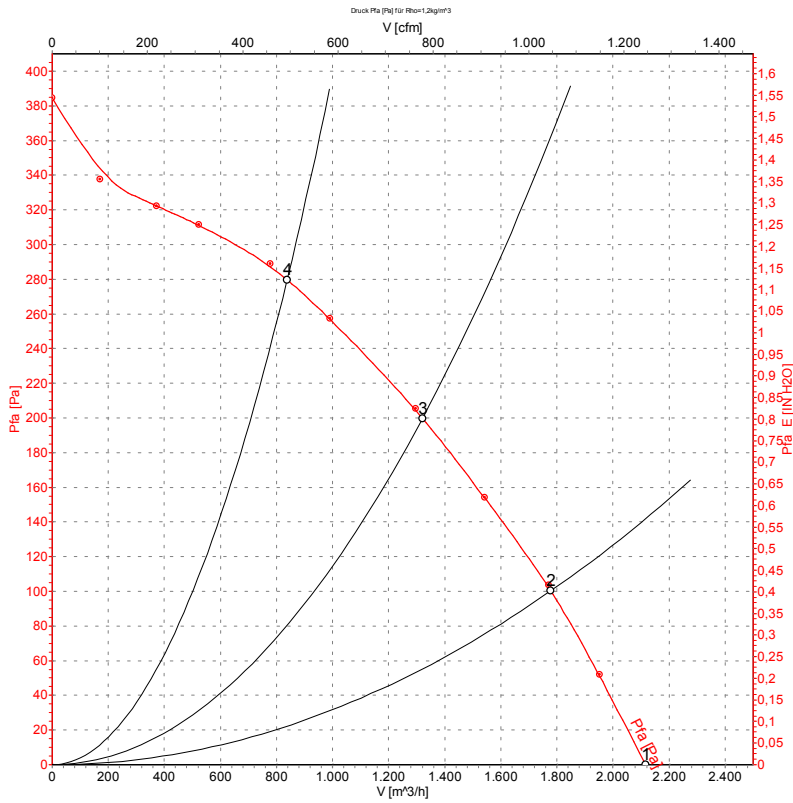


Measurement: LU-28260

## Measured values

|   | U   | f    | n                    | P <sub>1</sub> | I    | Ŷ      | P <sub>fa</sub> |
|---|-----|------|----------------------|----------------|------|--------|-----------------|
|   | [V] | [Hz] | [min <sup>-1</sup> ] | [W]            | [A]  | [m³/h] | [Pa]            |
| 1 | 230 | 50   | 1430                 | 105            | 0.47 | 1815   | 0               |
| 2 | 230 | 50   | 1410                 | 120            | 0.53 | 1450   | 100             |
| 3 | 230 | 50   | 1400                 | 126            | 0.56 | 1025   | 180             |
| 4 | 230 | 50   | 1410                 | 119            | 0.53 | 550    | 230             |

## Charts: Air flow 60 Hz



Measurement: LU-28261

### Measured values

|   | U   | f    | n                    | P <sub>1</sub> | I    | Ŷ                   | P <sub>fa</sub> |
|---|-----|------|----------------------|----------------|------|---------------------|-----------------|
|   | [V] | [Hz] | [min <sup>-1</sup> ] | [W]            | [A]  | [m <sup>3</sup> /h] | [Pa]            |
| 1 | 230 | 60   | 1670                 | 150            | 0.67 | 2115                | 0               |
| 2 | 230 | 60   | 1620                 | 173            | 0.76 | 1780                | 100             |
| 3 | 230 | 60   | 1590                 | 183            | 0.80 | 1320                | 200             |
| 4 | 230 | 60   | 1580                 | 184            | 0.81 | 840                 | 280             |