

# AC axial fan with full round nozzle

sickled blades (S series)

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|                               |                      |      |      |
|-------------------------------|----------------------|------|------|
| Type                          | W4S250-CI02-01       |      |      |
| Motor                         | M4S068-CF            |      |      |
| 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> ] | 1390 | 1600 |
| Power input                   | [W]                  | 69   | 63   |
| Current draw                  | [A]                  | 0.53 | 0.45 |
| Max. back pressure            | [Pa]                 | 80   | 80   |
| Max. ambient temperature      | [°C]                 | 50   | 65   |
| Air flow                      | [m <sup>3</sup> /h]  | 1000 | 1160 |
| Back pressure                 | [Pa]                 | 0    | 0    |
| Sound pressure level          | [dB(A)]              | 54   | 58   |

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

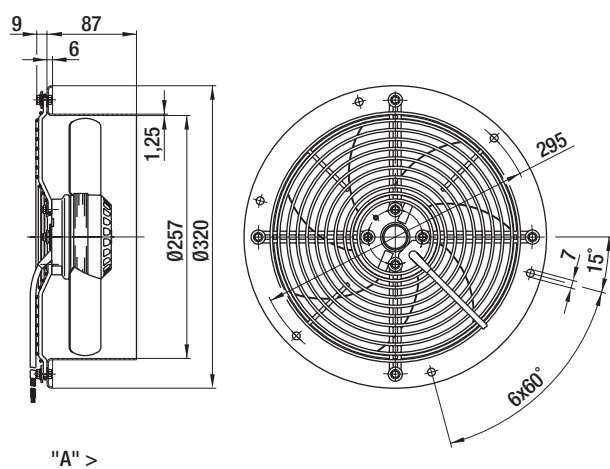
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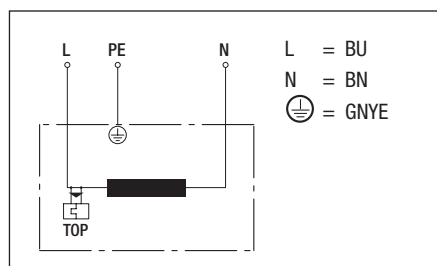
## Technical features

|                                                         |                                                              |
|---------------------------------------------------------|--------------------------------------------------------------|
| Leakage current                                         | < 0,75 mA                                                    |
| Size                                                    | 250 mm                                                       |
| Operation mode                                          | S1                                                           |
| Direction of rotation                                   | Counter-clockwise, seen on rotor                             |
| Mounting position                                       | Shaft horizontal or rotor on bottom; rotor on top on request |
| Direction of air flow                                   | "A"                                                          |
| Insulation class                                        | "B"                                                          |
| Cable exit                                              | Lateral                                                      |
| Condensate discharge holes                              | Rotor-side                                                   |
| Bearing motor                                           | Ball bearing                                                 |
| Mass                                                    | 3.1 kg                                                       |
| Material of blades                                      | Sheet steel, coated in black                                 |
| Material of guard grille                                | Steel, phosphated and coated in black plastic                |
| Material of wall ring                                   | Sheet steel, pre-galvanized and coated in black plastic      |
| 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                                        | 9                                                            |
| 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                                                          |

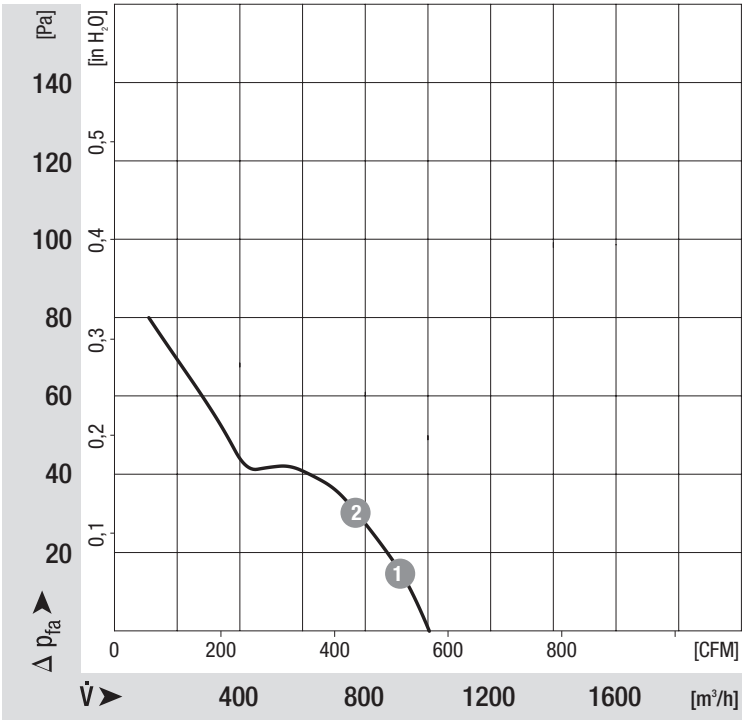
Product drawing



## Connection screen



Charts: Air flow 50 Hz



Measured values

|   | n                    | P <sub>1</sub> | I    |
|---|----------------------|----------------|------|
|   | [min <sup>-1</sup> ] | [W]            | [A]  |
| 1 | 1370                 | 71             | 0.53 |
| 2 | 1360                 | 73             | 0.53 |

## Charts: Air flow 60 Hz

