

# AC axial fan

straight blades (A series)



## ebm-papst Mulfingen GmbH & Co. KG

Bachmühle 2  
74673 Mulfingen  
Phone: +49 7938 81-0  
Fax: +49 7938 81-110  
www.ebmpapst.com  
info1@de.ebmpapst.com

### Nominal data

|                               |                      |      |      |      |
|-------------------------------|----------------------|------|------|------|
| Type                          | A4S250-AA02-02       |      |      |      |
| Motor                         | M4S068-CF            |      |      |      |
| Phase                         |                      | 1~   | 1~   | 1~   |
| Nominal voltage               | [V]                  | 230  | 230  | 230  |
| Frequency                     | [Hz]                 | 50   | 60   | 60   |
| Type of data definition       |                      | rfa  | rfa  | rfa  |
| Valid for approval / standard |                      | CE   | CE   | UL   |
| Speed                         | [min <sup>-1</sup> ] | 1400 | 1620 | 1620 |
| Power input                   | [W]                  | 72   | 67   | 75   |
| Current draw                  | [A]                  | 0,53 | 0.46 | 0.33 |
| Max. back pressure            | [Pa]                 | 80   | 100  | 100  |
| Max. ambient temperature      | [°C]                 | 40   | 50   | 50   |
| Air flow                      | [m <sup>3</sup> /h]  | 870  | 1000 | 1000 |
| Back pressure                 | [Pa]                 | 0    | 0    | 0    |
| Sound pressure level          | [dB(A)]              | 58   | 62   | 62   |

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

# AC axial fan

straight blades (A series)

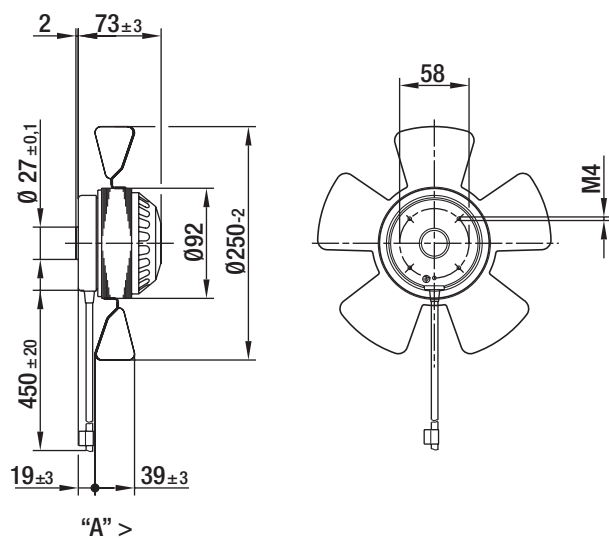
## Technical features

|                                |                                                   |
|--------------------------------|---------------------------------------------------|
| Size                           | 250 mm                                            |
| Operation mode                 | Continuous operation (S1)                         |
| Direction of rotation          | Clockwise, seen on rotor                          |
| Direction of air flow          | "A"                                               |
| Insulation class               | "B"                                               |
| Cable exit                     | Lateral                                           |
| Bearing motor                  | Ball bearing                                      |
| Mass                           | 1.7 kg                                            |
| Material of impeller           | Sheet steel, coated in black                      |
| Motor protection               | Thermal overload protector (TOP) wired internally |
| Product conforming to standard | CE                                                |
| Number of blades               | 5                                                 |
| Type of protection             | IP 44 - depending on position                     |
| Protection class               | I                                                 |
| Approval                       | CCC                                               |

# AC axial fan

straight blades (A series)

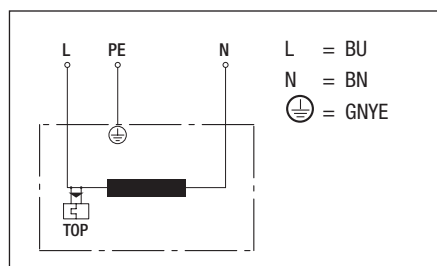
## Product drawing



# AC axial fan

straight blades (A series)

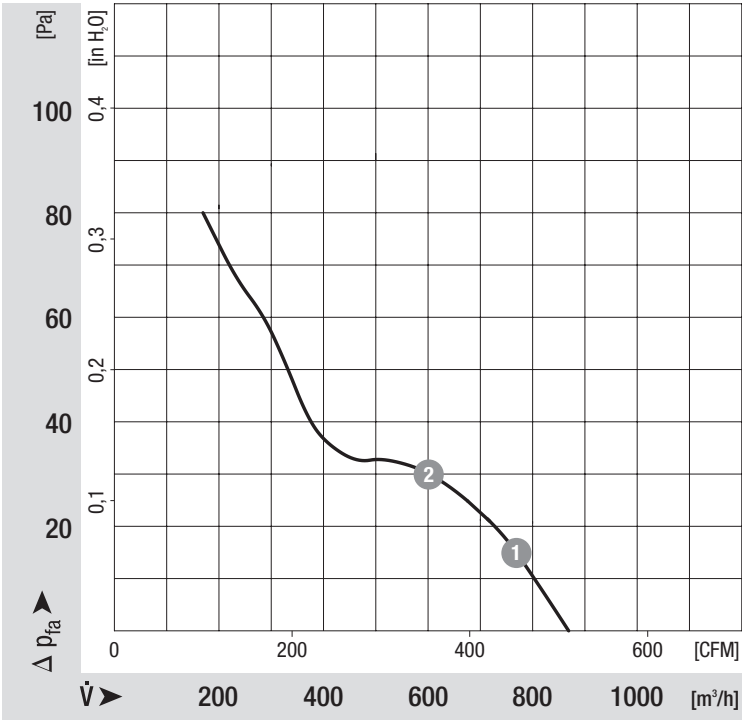
## Connection screen



# AC axial fan

straight blades (A series)

Charts: Air flow 50 Hz



Measured values

|   | n                    | P <sub>1</sub> | I    |
|---|----------------------|----------------|------|
|   | [min <sup>-1</sup> ] | [W]            | [A]  |
| 1 | 1400                 | 70             | 0.52 |
| 2 | 1395                 | 71             | 0.52 |

# AC axial fan

straight blades (A series)

## Charts: Air flow 60 Hz

