

3900 L

## AC axial compact fan



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### Nominal data

| Type                     | 3900 L            |      |
|--------------------------|-------------------|------|
| Phase                    |                   | 1~   |
| Nominal voltage          | VAC               | 115  |
| Frequency                | Hz                | 60   |
| Speed                    | min <sup>-1</sup> | 1850 |
| Power input              | W                 | 5.0  |
| Min. ambient temperature | °C                | -10  |
| Max. ambient temperature | °C                | 80   |
| Air flow                 | m <sup>3</sup> /h | 39   |
| Sound power level        | B                 | 4.0  |
| Sound pressure level     | dB(A)             | 27   |

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



## Technical features

|                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General description</b>                 | <p>AC voltage fan with internal rotor shaded-pole motor. Protected from overload by impedance protection.</p> <p>Fan housing made of metal, impeller made of mineral-reinforced PA plastic.</p> <p>Air exhaust over bars. Rotational direction counter-clockwise looking at rotor.</p> <p>Electrical connection to 2 flat plugs 2.8 x 0.5 mm.</p> <p>Fan housing with grounding lug for M4 screw.</p> <p>Mass 280 g.</p> <p>Please note our new ACmaxx series. With identical fastening dimensions and voltages, this series achieves higher energy efficiency.</p> |
| <b>Mass</b>                                | 0.280 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Dimensions</b>                          | 92 x 92 x 25 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Material of impeller</b>                | Mineral-reinforced PA plastic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Housing material</b>                    | Metal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Direction of air flow</b>               | Air exhaust over bars                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Direction of rotation</b>               | Left, looking at rotor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Bearing</b>                             | Sintec sleeve bearing system                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Lifetime L10 at 40 °C</b>               | 70000 h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Lifetime L10 at maximum temperature</b> | 27500 h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Connection line</b>                     | 2 flat plugs 2.8 x 0.5 mm. Housing with grounding lug for M4 screw.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Motor protection</b>                    | Protected from overload using impedance protection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Approval</b>                            | VDE, CSA, UL, CE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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Technical drawing of a fan assembly showing dimensions:

- Top left dimension:  $25,4 \pm 0,3$
- Top right dimension:  $4$
- Bottom left dimension:  $\square 92 \pm 0,3$
- Bottom center dimension:  $4,3 \pm 0,15$  (6x)
- Right side dimensions (from top to bottom):
  - $\square 82,5 \pm 0,2$
  - $\varnothing 98$
  - $4,5 \pm 0,2$
  - $\square 82,5 \pm 0,2$
  - $\square 88$

## Charts: Air flow

