

**ebm-papst St. Georgen GmbH & Co. KG**

Hermann-Papst-Straße 1

D-78112 St. Georgen

Phone +49 7724 81-0

Fax +49 7724 81-1309

info2@de.ebmpapst.com

www.ebmpapst.com

**Nominal data**

| Type                     | 8506 N            |      |
|--------------------------|-------------------|------|
| Phase                    |                   | 1~   |
| Nominal voltage          | VAC               | 115  |
| Frequency                | Hz                | 60   |
| Speed                    | min <sup>-1</sup> | 3300 |
| Power input              | W                 | 11.0 |
| Min. ambient temperature | °C                | -40  |
| Max. ambient temperature | °C                | 95   |
| Air flow                 | m <sup>3</sup> /h | 61   |
| Sound power level        | B                 | 5.0  |
| Sound pressure level     | dB(A)             | 35   |

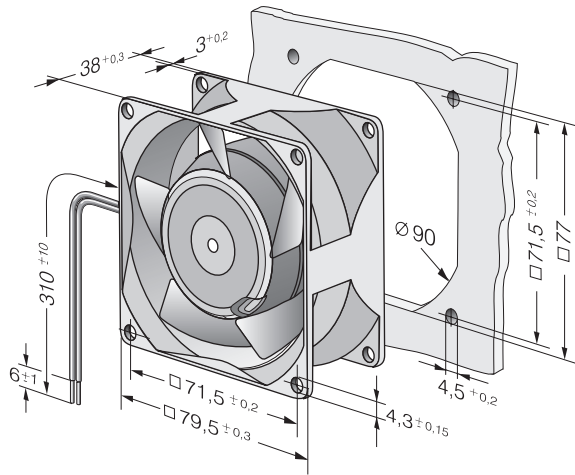
ml = max. load · me = max. efficiency · fa = running at free air · cs = customer specs · cu = customer unit  
Subject to alterations



## Technical features

|                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General description</b>                 | <p>AC voltage fan with external rotor shaded-pole motor. Protected from overload by impedance protection.</p> <p>Fan housing and fan impeller made of metal.</p> <p>Air exhaust over bars. Rotational direction clockwise looking at rotor.</p> <p>Electrical connection to 2 single strands. Strand ends bared and tin-plated.</p> <p>Fan housing with grounding lug and tapping screw M4 x 8 (TORX).</p> <p>Mass 490 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>                                | 0.490 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Dimensions</b>                          | 80 x 80 x 38 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Material of impeller</b>                | Metal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Housing material</b>                    | Metal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Direction of air flow</b>               | Air exhaust over bars                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Direction of rotation</b>               | Right, looking at rotor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Bearing</b>                             | Ball bearings                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Lifetime L10 at 40 °C</b>               | 55000 h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Lifetime L10 at maximum temperature</b> | 15000 h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Connection line</b>                     | 2 single strands AWG 28, TR 64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Motor protection</b>                    | Protected from overload using impedance protection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Approval</b>                            | VDE, CSA, UL, CE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Product drawing



## Charts: Air flow

