# DC axial compact fan



**ebm-papst St. Georgen GmbH & Co. KG**
Hermann-Papst-Str. 1
D-78112 St. Georgen
Phone +49 (0) 7724 81-0
Fax +49 (0) 7724 81-1309
info2@de.ebmpapst.com
www.ebmpapst.com

## Nominal data

| Type | 8318 | |
|---|---|---|
| Nominal voltage | VDC | 48 |
| Nominal voltage range | VDC | 36 .. 56 |
| Speed | min$^{-1}$ | 3300 |
| Power input | W | 3.0 |
| Min. ambient temperature | °C | -20 |
| Max. ambient temperature | °C | 75 |
| Air flow | m$^3$/h | 54 |
| Sound power level | B | 5.2 |
| Sound pressure level | dB(A) | 36 |

ml = Max. load · me = Max. efficiency · fa = Running at free air · cs = Customer specs · cu = Customer unit
Subject to alterations

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## Technical features

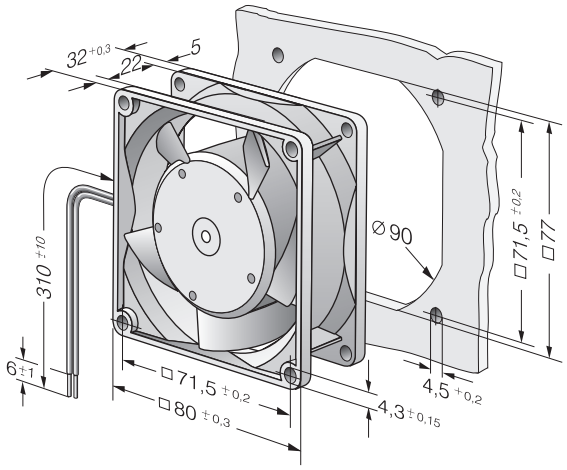
| | |
|---|---|
| **Housing material** | Fibreglass-reinforced plastic (PBT) |
| **Impeller material** | Fibreglass-reinforced plastic (PA) |
| **Mass** | 0.170 kg |
| **Dimensions** | 80 x 80 x 32 mm |
| **Direction of air flow** | Air exhaust over bars |
| **Direction of rotation** | Right, looking at rotor |
| **Bearing** | Ball bearings |
| **Lifetime L10 at 40 °C** | 70000 h |
| **Lifetime L10 at maximum temperature** | 27500 h |
| **Connection line** | Single strands AWG 22, TR 64, bared and tin-plated. |
| **Motor protection** | Protected against reverse polarity and locking. |
| **Locked-rotor protection** | Blocking and overload protection |
| **Approval** | VDE, CSA, UL, CE |
| **Option** | Special options:<br>Speed signal<br>Go / No-go alarm<br>Alarm with limit speed<br>External temperature sensor<br>Internal temperature sensor<br>PWM control input<br>Analogue control input<br>Moisture protection<br>Protection against salt spray fog<br>Protection rating: IP 54 / IP 68 |



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## Product drawing

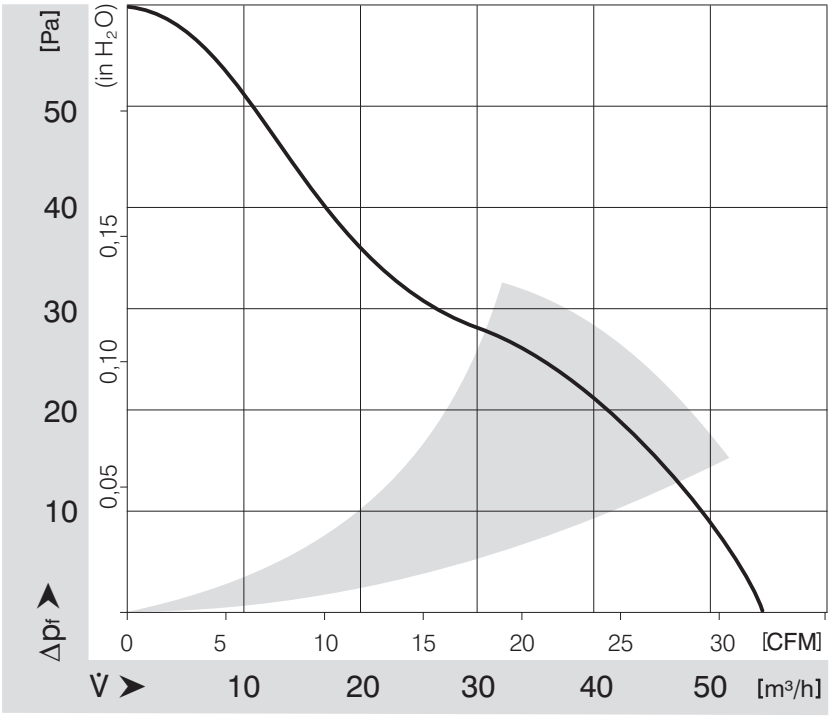





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## Charts: Air flow






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