**W1G200-EC91-28**

# EC axial fan

sickled blades (S series)

ESM wall ring

**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** | **W1G200-EC91-28** | |
| **Motor** | **M1G055-BD** | |
| Phase | | 1~ |
| Nominal voltage | [VAC] | 230 |
| Frequency | [Hz] | 50/60 |
| Type of data definition | | ml |
| Speed | [min$^{-1}$] | 2100 |
| Power input | [W] | 32 |
| Current draw | [A] | 0.25 |
| Min. ambient temperature | [°C] | -30 |
| Max. ambient temperature | [°C] | 50 |

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

| | |
|---|---|
| **Leackage current** | <= 0,25 mA |
| **Size** | 200 mm |
| **Operation mode** | S1 |
| **Direction of rotation** | Counter-clockwise, seen on rotor |
| **Mounting position** | Any |
| **EMC harmonics** | Acc. to EN 61000-3-2/3 |
| **EMC interference emission** | Acc. to EN 61000-6-3 (household environment) |
| **EMC interference immunity** | Acc. to EN 61000-6-2 |
| **Humidity class** | F3-1 |
| **Direction of air flow** | "V" |
| **Insulation class** | "B" |
| **Condensate discharge holes** | None |
| **Bearing motor** | Ball bearing |
| **Mass** | 0.9 kg |
| **Material of impeller** | Plastic PA6, fibreglass-reinforced |
| **Material of wall ring** | PP-TD20 plastic |
| **Motor protection** | Thermal overload protector (TOP) wired internally |
| **Product conforming to standard** | CE |
| **Number of blades** | 5 |
| **Type of protection** | IP 54 |
| **Protection class** | II |
| **Technical features** | - Over-temperature protected motor<br>- Speed selection max/min |
| **Max. permissible ambient motor temp. (transp./ storage)** | + 80 °C |
| **Min. permissible ambient motor temp. (transp./storage)** | - 40 °C |
| **Approval** | VDE |



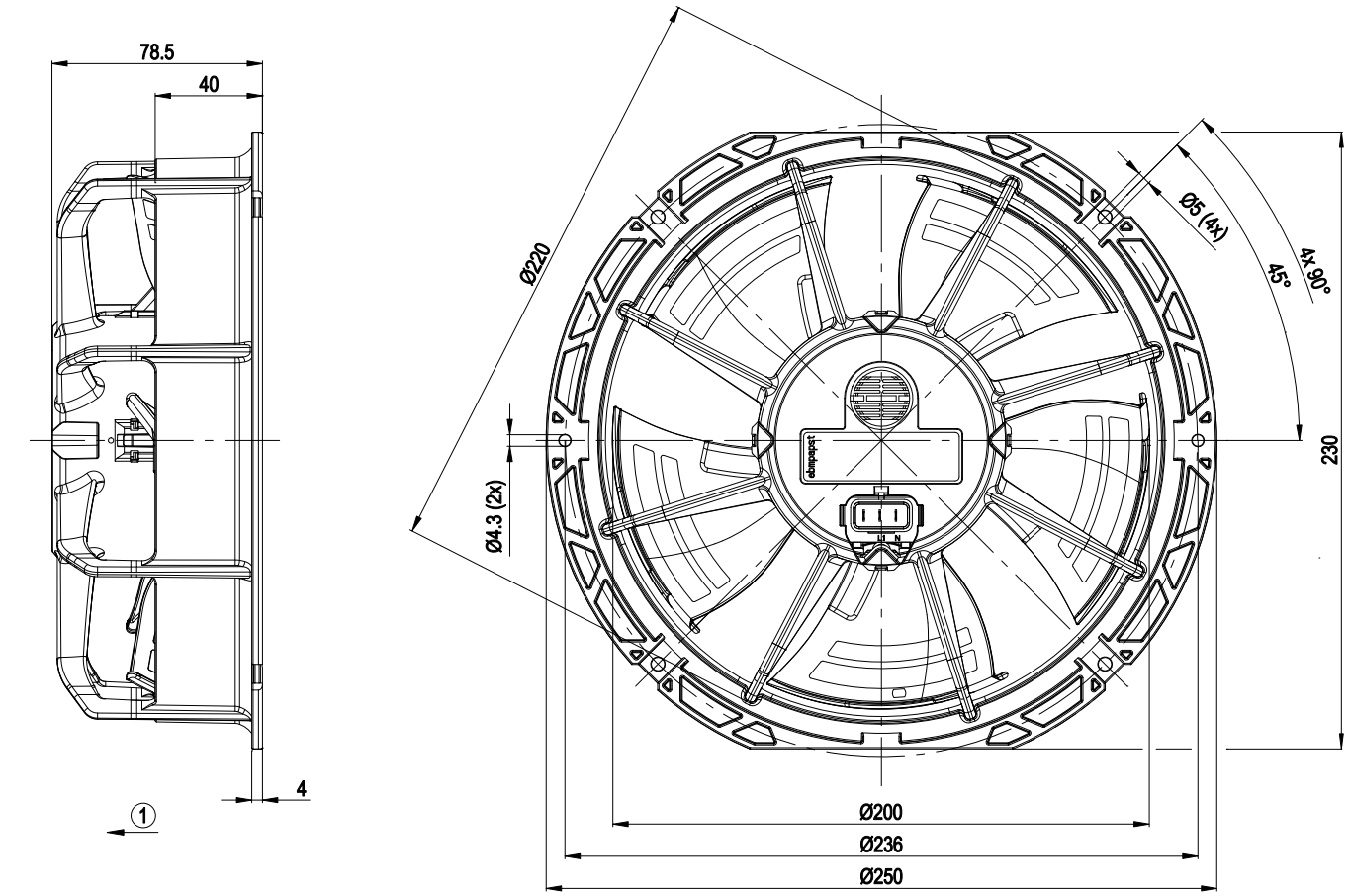
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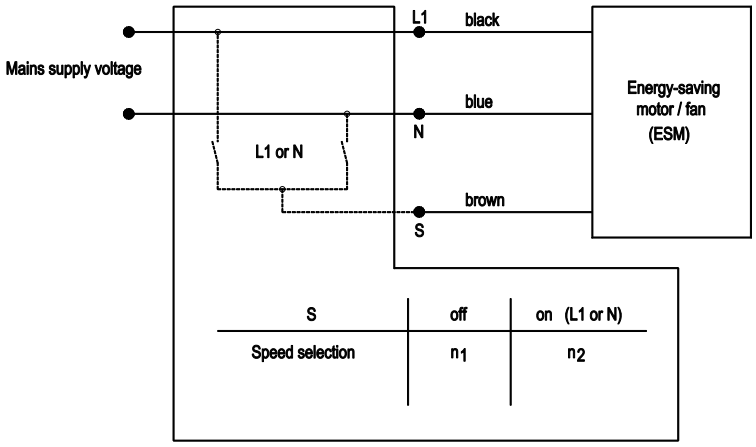
ESM wall ring

## Product drawing




| | |
|---|---|
| 1 | Direction of air flow "V" |

## Connection screen





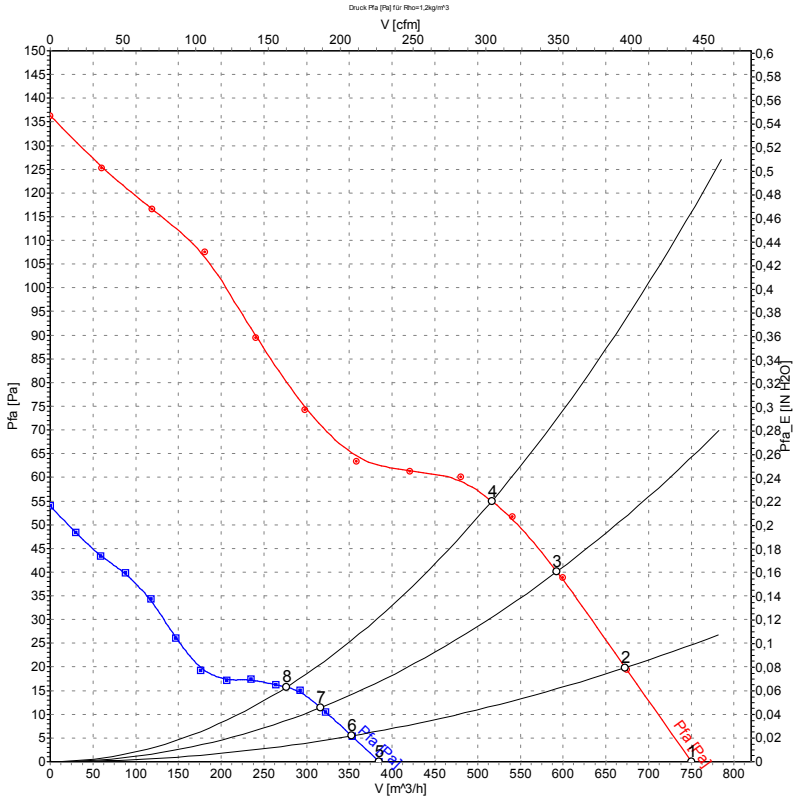

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## Charts: Air flow 50 Hz




Measurement: LU-113351

## Measured values

| | U | f | n | $P_1$ | I | $LpA_{ss}$ | $LwA_{ss}$ | $\dot{V}$ | $p_{fa}$ |
|---|---|---|---|---|---|---|---|---|---|
| | [V] | [Hz] | [$min^{-1}$] | [W] | [A] | [dB(A)] | [dB(A)] | [$m^3/h$] | [Pa] |
| 1 | 230 | 50 | 2100 | 29 | 0.22 | 55 | 62 | 750 | 0 |
| 2 | 230 | 50 | 2100 | 30 | 0.23 | 54 | 61 | 675 | 20 |
| 3 | 230 | 50 | 2100 | 31 | 0.24 | 53 | 60 | 595 | 40 |
| 4 | 230 | 50 | 2100 | 31 | 0.24 | 54 | 62 | 515 | 55 |
| 5 | 230 | 50 | 1100 | 5.41 | 0.04 | 39 | 47 | 385 | 0 |
| 6 | 230 | 50 | 1100 | 6.39 | 0.05 | 39 | 47 | 350 | 6 |
| 7 | 230 | 50 | 1100 | 6.29 | 0.05 | 39 | 46 | 315 | 11 |
| 8 | 230 | 50 | 1100 | 6.11 | 0.05 | 40 | 48 | 275 | 16 |



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