

# EC axial fans

Series W3G200 Ø 225 x 225 x 80 mm



## Highlights:

- Control Input: 0-10 VDC/PWM
- Output: 10 VDC, max 1.1 mA
- Tach Output
- Over-voltage detection
- Over-temperature protected electronics
- Soft start, motor current limit
- Locked rotor protection

**Material:** Impeller: PP plastic  
Housing: Die-cast aluminum

**Mounting position:** Any

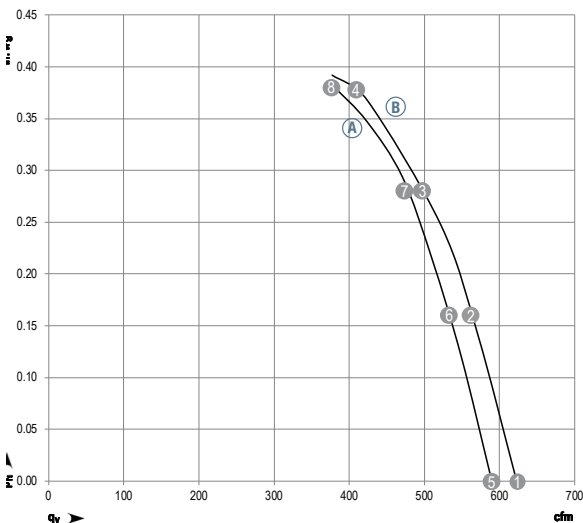
**Condensate discharge holes:** None, open rotor

**Direction of rotation:** Counter-clockwise, seen on rotor

| Nominal Data   |           | Air flow | Phase | Voltage | Voltage range | Frequency | Power input (1) | Speed (1) | Current draw (1) | Max back pressure    | Temperature range (1) | Mass | Bearing | Ingress protection rating | UL  | Chart |
|----------------|-----------|----------|-------|---------|---------------|-----------|-----------------|-----------|------------------|----------------------|-----------------------|------|---------|---------------------------|-----|-------|
| Type           | Motor     | cfm      |       | VAC     | VDC           | Hz        | W               | rpm       | A                | in. H <sub>2</sub> O | °C                    | lbs  |         |                           |     |       |
| W3G200-HD01-03 | M3G055-BD | 590      | 1~    | 230V    | 200...240     | 50/60     | 54              | 2900      | 0.55             | 0.38                 | -25...60              | 3.74 | Ball    | IP54*                     | Yes | (A)   |
| W3G200-HD23-10 | M3G055-BD | 623      | 1~    | 115V    | 100...130     | 50/60     | 65              | 2900      | 1.0              | 0.38                 | -25...60              | 3.74 | Ball    | IP54*                     | Yes | (B)   |

(1) Nominal data at maximum load.  
\*Depending on installation and position.

## Curves



Air performance measured as per: ISO 5801, Installation category A, without protection against accidental contact.

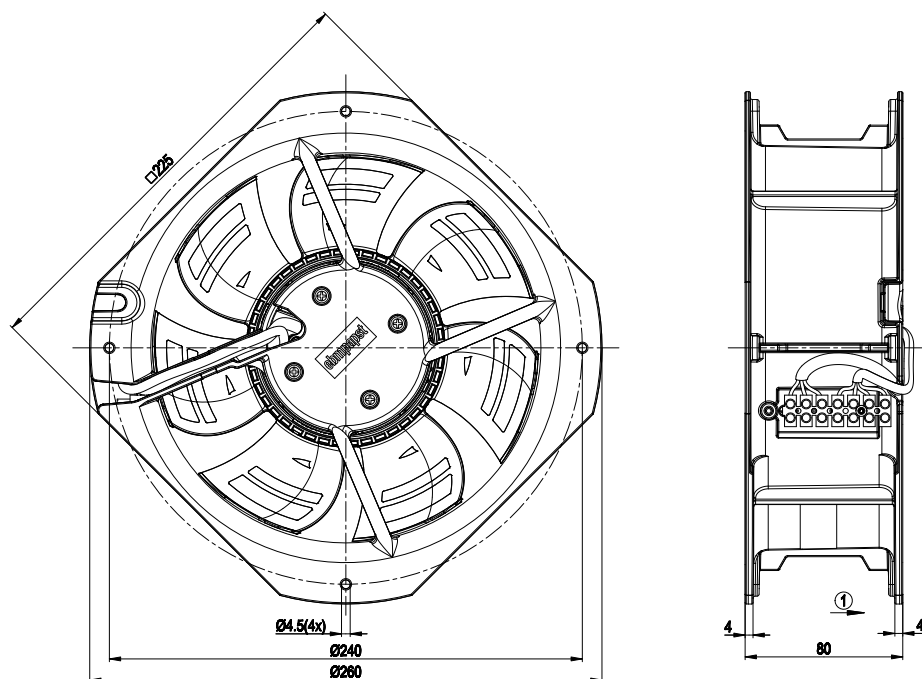
Suction-side noise levels:  $L_{wA}$  as per ISO 13347,  $L_pA$  measured at 1m distance to fan axis.

The values given are valid under the measuring conditions mentioned and may vary according to the actual installation situation.

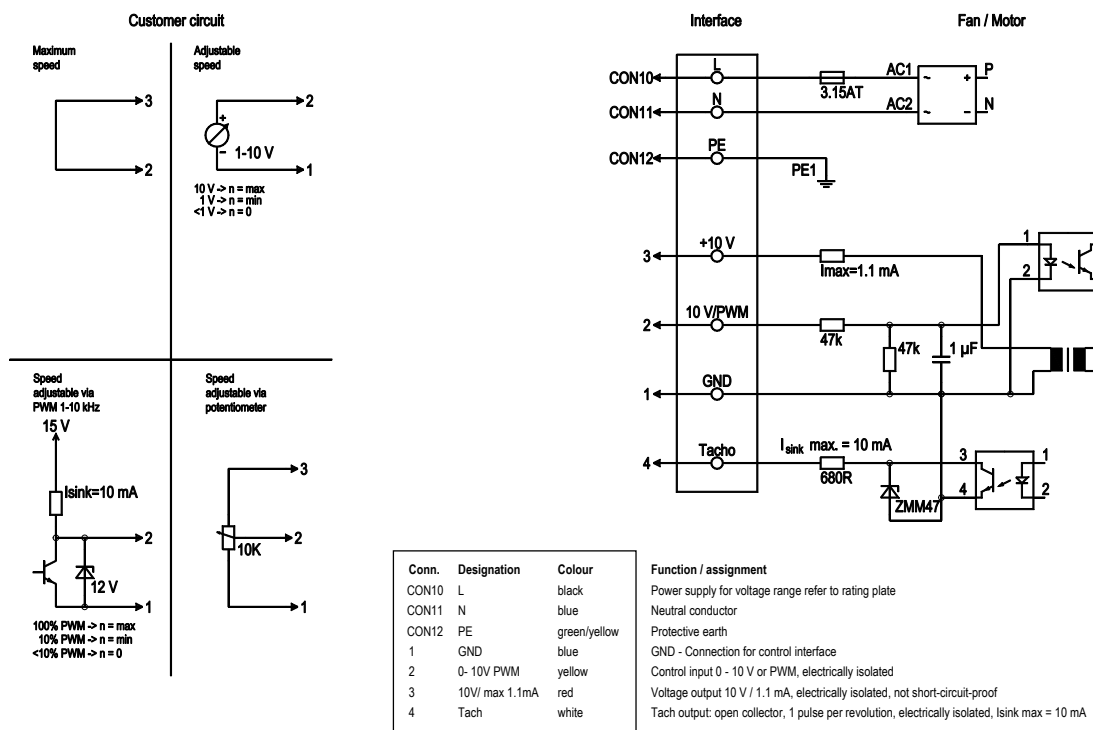
With any deviation to the standard set-up, the specific values have to be checked and reviewed once installed or fitted.

For detailed information on the measuring set-up, please contact ebm-papst.

|   | n<br>rpm | Pe<br>W | I<br>A | LpA <sub>in</sub><br>dB(A) | LwA <sub>in</sub><br>dB(A) |
|---|----------|---------|--------|----------------------------|----------------------------|
| 1 | 3150     | 62      | 1.00   | 59                         | 66                         |
| 2 | 3050     | 65      | 1.00   | 59                         | 66                         |
| 3 | 2930     | 65      | 1.00   | 60                         | 68                         |
| 4 | 2900     | 65      | 1.00   | 65                         | 73                         |
| 5 | 2970     | 50      | 0.49   | 58                         | 65                         |
| 6 | 2885     | 55      | 0.53   | 57                         | 64                         |
| 7 | 2825     | 58      | 0.56   | 58                         | 65                         |
| 8 | 2900     | 54      | 0.55   | 62                         | 71                         |



## Connection screen



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