**R3G150-AH15-10**

# EC hot-air circulation blower

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## Nominal data

| | | |
|---|---|---|
| **Type** | **R3G150-AH15-10** | |
| **Motor** | **M3G055-AI** | |
| Nominal voltage | VDC | 24 |
| Type of data definition | | cs |
| Speed (rpm) | $min^{-1}$ | 4550 |
| Min. ambient temperature | °C | -25 |
| Max. ambient temperature | °C | 80 |
| Max. temp. of flow medium | °C | 250 |

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

# EC hot-air circulation blower

## Technical features

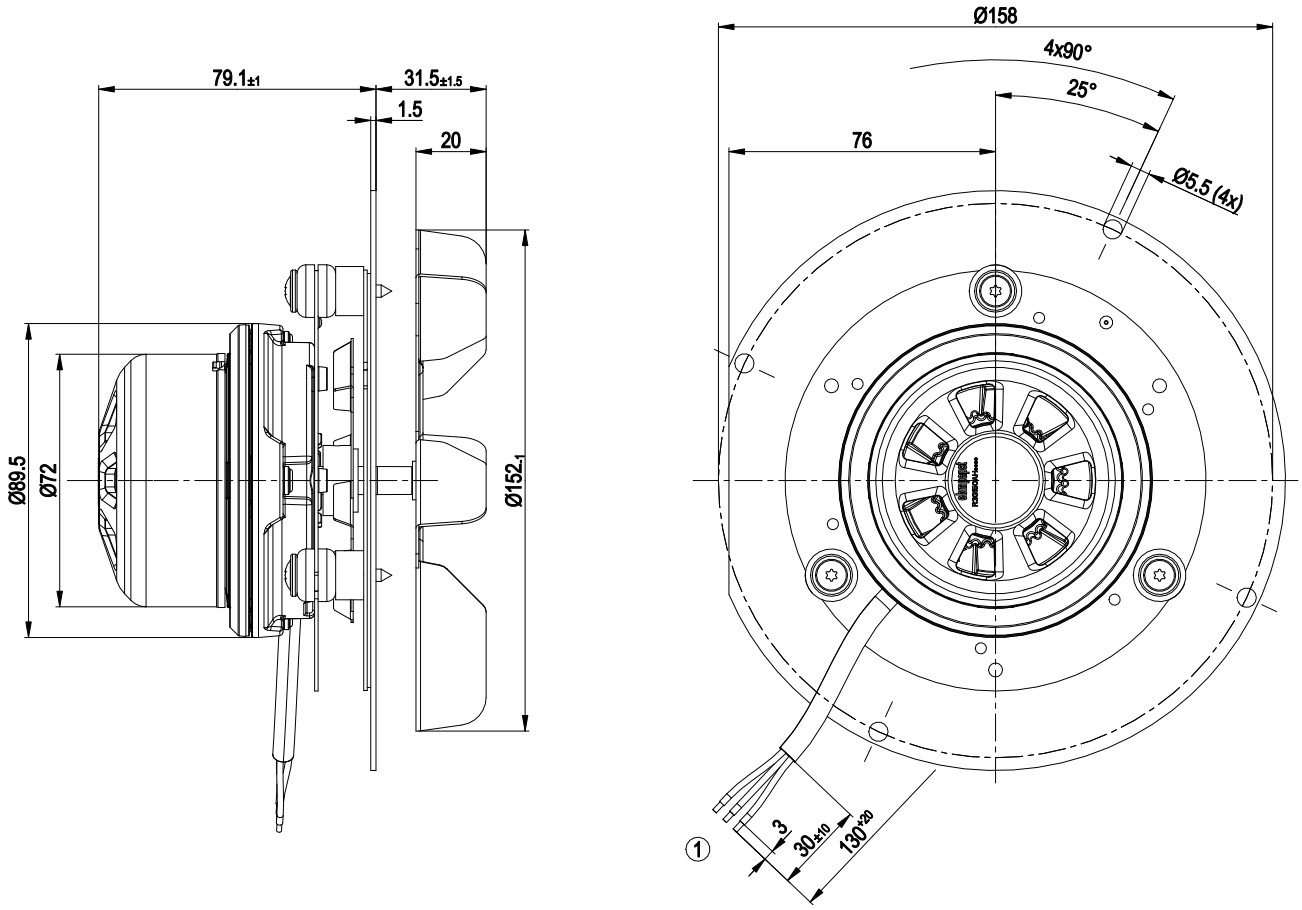
| | |
|---|---|
| **Mass** | 1.2 kg |
| **Size** | 150 mm |
| **Surface of rotor** | Thick layer passivated |
| **Material of impeller** | Sheet steel, stainless |
| **Material of mounting plate** | Sheet steel, galvanised |
| **Number of blades** | 6 |
| **Motor suspension** | Motor anti-vibration mounted on one side via mounting plate |
| **Direction of rotation** | Counter-clockwise, seen on rotor |
| **Type of protection** | IP 00 |
| **Insulation class** | "B" |
| **Humidity (F)/environmental protection class (H)** | H0 - dry environment |
| **Max. permissible ambient motor temp. (transp./ storage)** | + 80 °C |
| **Min. permissible ambient motor temp. (transp./storage)** | - 40 °C |
| **Mounting position** | Any |
| **Condensate discharge holes** | None, open rotor |
| **Operation mode** | S1 |
| **Motor bearing** | Ball bearing |
| **Cable exit** | Variable |
| **Product conforming to standard** | EN 60335-1; CE |



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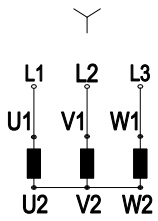
# EC hot-air circulation blower

## Product drawing




| | |
|---|---|
| 1 | Connection line PVC AWG20, 3x tin-plated lead tips |

## Connection screen




Note: Direction of rotation changes when two phases are reversed

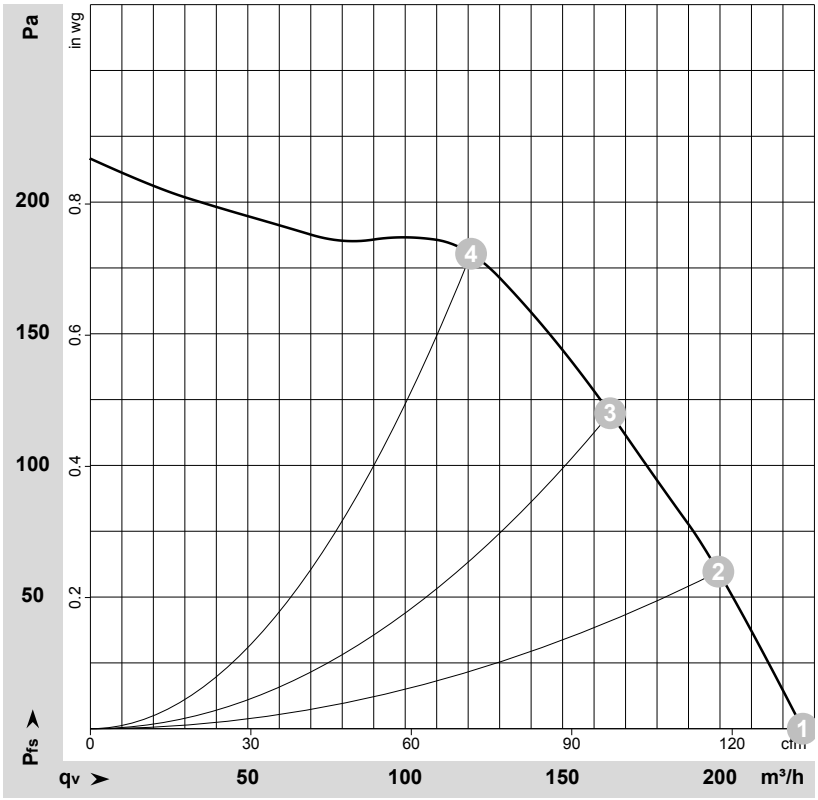
| | | | | | |
|---|---|---|---|---|---|
| Y | Star connection | L1 | black | L2 | blue |
| L3 | brown | | | | |



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## Charts: Air flow




ρ = 1.175 kg/m³ ± 2 %

Measurement: LU-169639-1

Air performance measured as per ISO 5801 Installation category A. For detailed information on the measuring set-up, please contact ebm-papst. Suction-side noise levels: LwA measured as per ISO 13347 / LpA measured with 1m distance to fan axis. The values given are valid under the measuring conditions mentioned above and may vary according to the actual installation situation. With any deviation from the standard set-up, the specific values have to be checked and reviewed with the unit installed.

## Measured values

| | U | n | $P_{ed}$ | I | $LpA_{in}$ | $LwA_{in}$ | $q_V$ | $p_{fs}$ | $q_V$ | $p_{fs}$ |
|---|---|---|---|---|---|---|---|---|---|---|
| | V | $min^{-1}$ | W | A | dB(A) | dB(A) | $m^3/h$ | Pa | cfm | inH2O |
| 1 | 24 | 2750 | 24 | 1.03 | 59 | 67 | 225 | 0 | 135 | 0.00 |
| 2 | 24 | 2750 | 25 | 1.06 | 57 | 66 | 200 | 60 | 115 | 0.24 |
| 3 | 24 | 2750 | 24 | 1.01 | 55 | 63 | 165 | 120 | 95 | 0.48 |
| 4 | 24 | 2750 | 20 | 0.84 | 53 | 61 | 120 | 180 | 70 | 0.72 |

U = Supply voltage · n = Speed (rpm) · $P_{ed}$ = Power input · I = Current draw · $LpA_{in}$ = Sound pressure level inlet side · $LwA_{in}$ = Sound power level inlet side · $q_V$ = Air flow · $p_{fs}$ = Pressure increase



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