

# EC axial panel fan - AxiBlade

sickle-shaped blades (S series)  
Fan housing with guide vanes

**ebm-papst Mulfingen GmbH & Co. KGaA & Co. KG**  
Bachmühle 2 · D-74673 Mulfingen  
Phone +49 7938 81-0  
info1@de.fansco.com  
www.fansco.com

Limited partnership · Headquarters Mulfingen  
Amtsgericht (court of registration) Stuttgart · HRA 590344  
  
General partner Elektrobau Mulfingen GmbH · Headquarters Mulfingen  
Amtsgericht (court of registration) Stuttgart · HRB 590142

## Nominal data

|                          |                   |            |
|--------------------------|-------------------|------------|
| Type                     | W3G800-LV05-36    |            |
| Motor                    | M3G150-NA         |            |
| Phase                    |                   | 3~         |
| Nominal voltage          | VAC               | 400        |
| Nominal voltage range    | VAC               | 380 .. 480 |
| Frequency                | Hz                | 50/60      |
| Method of obtaining data |                   | ml         |
| Speed (rpm)              | min <sup>-1</sup> | 1190       |
| Power consumption        | W                 | 3500       |
| Current draw             | A                 | 5.3        |
| Max. back pressure       | Pa                | 350        |
| Max. back pressure       | in. wg            | 1.41       |
| Min. ambient temperature | °C                | -40        |
| Max. ambient temperature | °C                | 60         |

ml = Max. load · me = Max. efficiency · fa = Free air · cs = Customer specification · ce = Customer equipment  
Subject to change

Occasional start-up at temperatures between -40 °C and -25 °C is permitted. For continuous operation at ambient temperatures below -25 °C (such as refrigeration applications), a fan design with special low-temperature bearings must be used.

## Data according to Commission Regulation (EU) 327/2011 (prEN 17166)

|                                   |   | Actual | Req. 2015 |                               |                   |       |
|-----------------------------------|---|--------|-----------|-------------------------------|-------------------|-------|
| 01 Overall efficiency $\eta_{es}$ | % | 56.6   | 37        | 09 Power consumption $P_{ed}$ | kW                | 3.32  |
| 02 Measurement category           |   | A      |           | 09 Air flow $q_v$             | m³/h              | 19225 |
| 03 Efficiency category            |   | Static |           | 09 Pressure increase $p_{fs}$ | Pa                | 337   |
| 04 Efficiency grade N             |   | 59.6   | 40        | 10 Speed (rpm) n              | min <sup>-1</sup> | 1195  |
| 05 Variable speed drive           |   | Yes    |           | 11 Specific ratio*            |                   | 1.00  |

Data obtained at optimum efficiency level.

\* Specific ratio =  $1 + p_{fs} / 100\,000\text{ Pa}$

LU-187998

The efficiency values displayed for achieving conformity with the Ecodesign Regulation EU 327/2011 has been reached with defined air duct components (e.g. inlet rings).  
The dimensions must be requested from ebm-papst. If other air conduction geometries are used on the installation side, the ebm-papst evaluation loses its validity/the conformity must be confirmed again.  
The product does not fall within the scope of Regulation (EU) 2019/1781 due to the exception specified in Article 2 (2a) (motors completely integrated into a product).

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## Technical description

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Weight                                                     | 52.4 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Size                                                       | 800 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Motor size                                                 | 150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Rotor surface                                              | Painted black                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Electronics housing material                               | Die-cast aluminum, painted gray                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Impeller material                                          | PP plastic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Fan housing material                                       | Sheet steel, galvanized and coated with black plastic (RAL 9005)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Material guide vanes                                       | PP plastic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Guard grille material                                      | Steel, coated with black plastic (RAL 9005)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Internal diffuser material including cover                 | PP plastic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Number of blades                                           | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Blade pitch                                                | 0°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Airflow direction                                          | V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Direction of rotation                                      | Clockwise, viewed toward rotor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Degree of protection                                       | IP55                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Insulation class                                           | "F"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Moisture (F) / Environmental (H) protection class          | H2+C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Ambient temperature note                                   | Occasional start-up at temperatures between -40°C and -25°C is permitted. For continuous operation at ambient temperatures below -25°C (such as refrigeration applications), use must be made of a fan design with special low-temperature bearings.                                                                                                                                                                                                                                                                                                                                                                              |
| Max. permitted ambient temp. for motor (transport/storage) | +80 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Min. permitted ambient temp. for motor (transport/storage) | -40 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Installation position                                      | Shaft horizontal or rotor on bottom; rotor on top on request                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Condensation drainage holes                                | On rotor side                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Mode                                                       | S1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Motor bearing                                              | Ball bearing; (sealed)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Technical features                                         | <ul style="list-style-type: none"> <li>- Operation and alarm display with LED</li> <li>- External 15-50 VDC input (parameterization)</li> <li>- Alarm relay</li> <li>- Integrated PI controller</li> <li>- Configurable inputs/outputs (I/O)</li> <li>- MODBUS V6.3</li> <li>- Motor current limitation</li> <li>- RS-485 MODBUS-RTU</li> <li>- Soft start</li> <li>- Voltage output 3.3-24 VDC, Pmax = 800 mW</li> <li>- Control interface with SELV potential safely disconnected from the mains</li> <li>- Thermal overload protection for electronics/motor</li> <li>- Line undervoltage / phase failure detection</li> </ul> |
| Power Factor Correction (PFC)                              | Passive (through low-capacitance DC link)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| EMC immunity to interference                               | According to EN 61000-6-2 (industrial environment)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| EMC interference emission                                  | According to EN 61000-6-3 (household environment), except EN 61000-3-2 for professionally used equipment with a total rated power greater than 1 kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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Fan housing with guide vanes

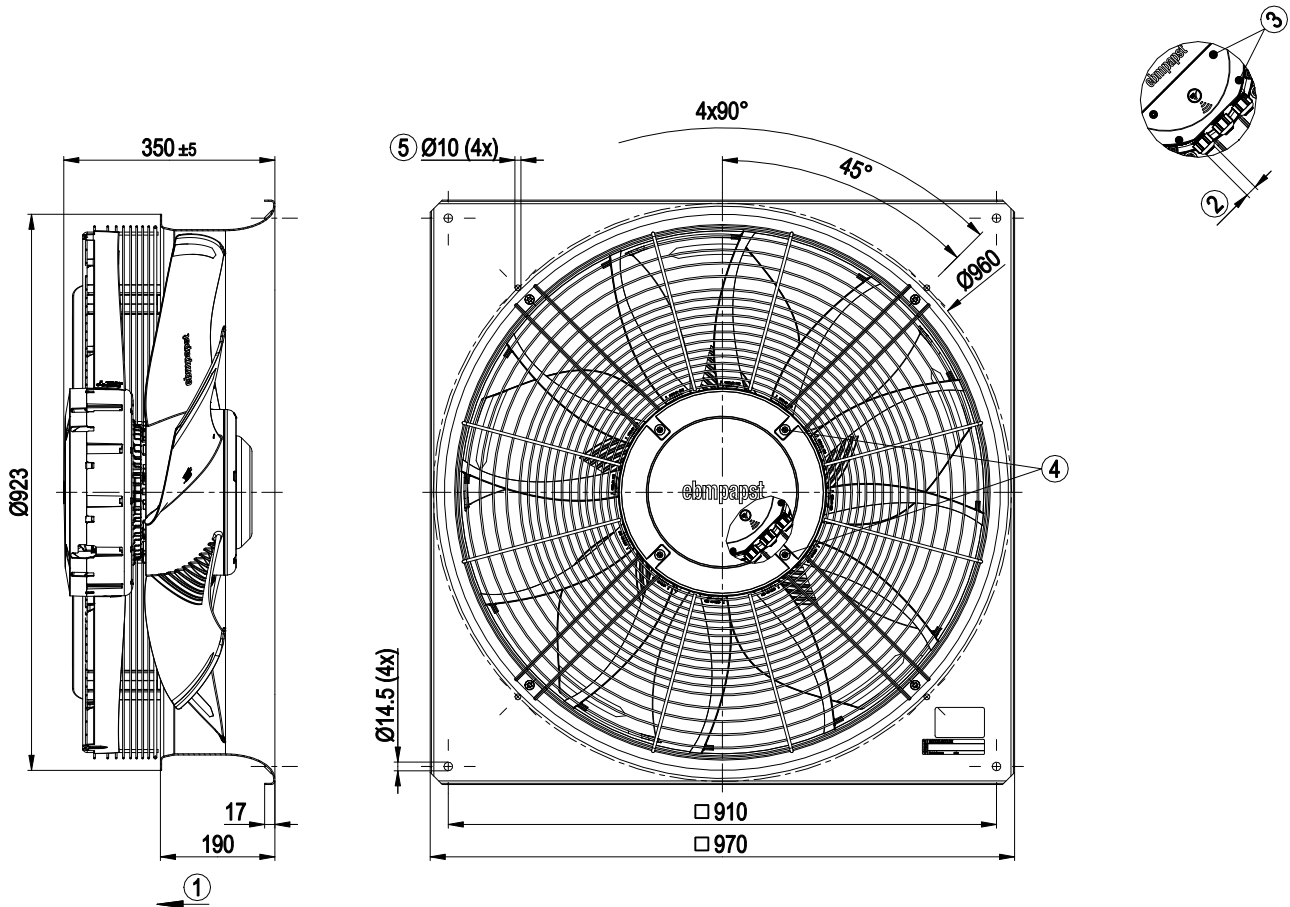
|                                                                            |                                                                                                                                                                                            |
|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system) | <= 3.5 mA                                                                                                                                                                                  |
| Electrical hookup                                                          | Terminal box                                                                                                                                                                               |
| Protection class assignment                                                | I; If a protective earth is connected.<br>The built-in component has several local protection class assignments.<br>The final protection class is determined by the intended installation. |
| Conformity with standards                                                  | EN 61800-5-1; CE                                                                                                                                                                           |
| Approval                                                                   | CSA C22.2 No. 77 + CAN/CSA-E60730-1; UL 1004-7 + 60730-1; EAC                                                                                                                              |

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## Product drawing



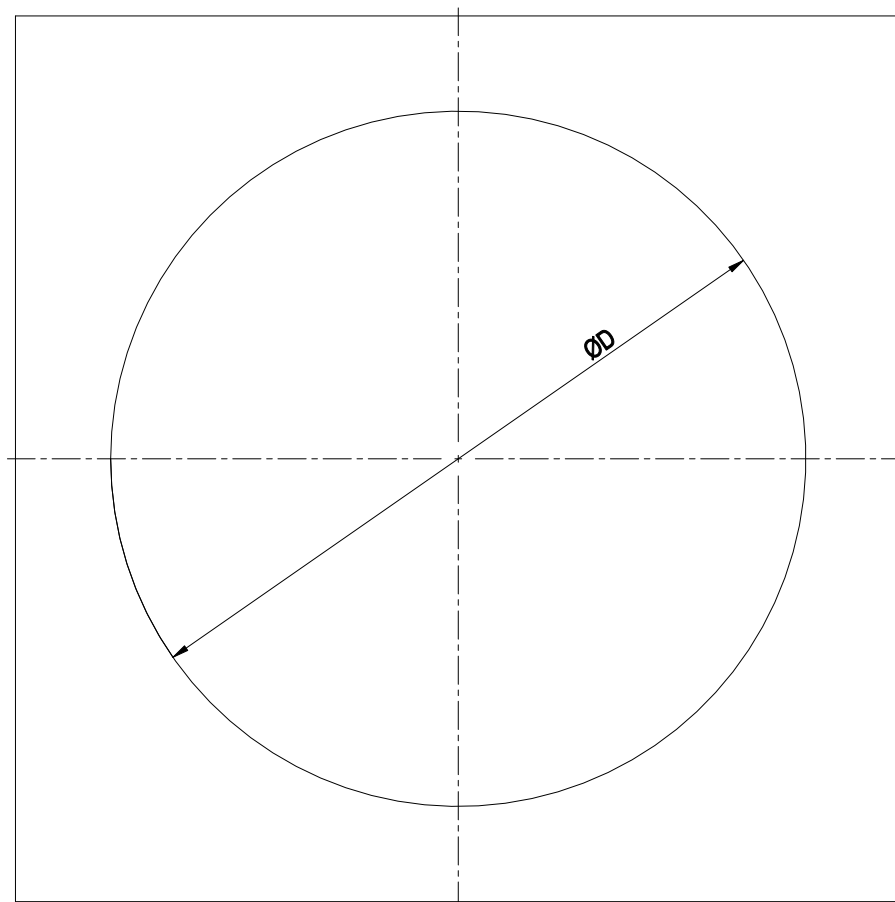
|   |                                                                                                                                                                                                                   |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Airflow direction "V"                                                                                                                                                                                             |
| 2 | Cable diameter min. 4 mm, max. 10 mm, tightening torque $4 \pm 0.6$ Nm<br>(The tightening torque is designed for PVC cables. If the cable materials are different, the tightening torque may have to be adjusted) |
| 3 | Tightening torque $1.5 \pm 0.2$ Nm                                                                                                                                                                                |
| 4 | Tightening torque $2 \pm 0.3$ Nm                                                                                                                                                                                  |
| 5 | Attachment holes for FlowGrid 80000-2-2957 (not included in scope of delivery)                                                                                                                                    |

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## Mounting dimensions



Diameter of the necessary recess for mounting the fan housing in the end device

BG630: D =  $\varnothing$ 785 mm

BG710: D =  $\varnothing$ 830 mm

BG800: D =  $\varnothing$ 950 mm

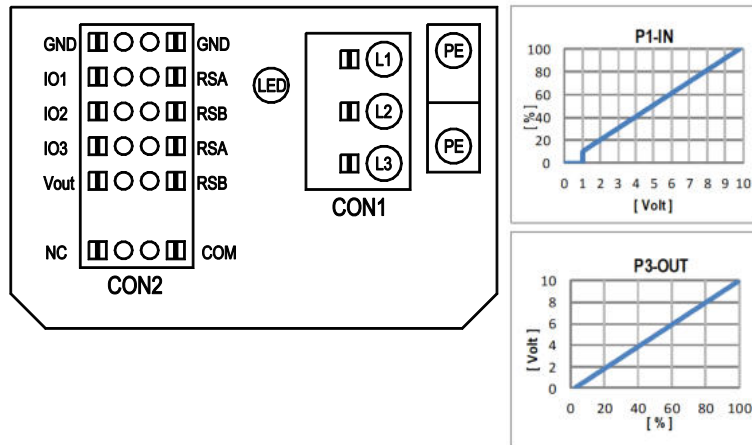
BG910: D =  $\varnothing$ 1050 mm

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## Connection diagram



| No. | Conn. | Designation | Function/assignment                                                                                                                                                                                                                                                                                                                             |
|-----|-------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     | CON1  | L1, L2, L3  | Power supply, phase, see nameplate for voltage range                                                                                                                                                                                                                                                                                            |
|     | PE    | PE          | Protective earth                                                                                                                                                                                                                                                                                                                                |
|     | CON2  | RSA         | RS485 interface for MODBUS, RSA; SELV                                                                                                                                                                                                                                                                                                           |
|     | CON2  | RSB         | RS485 interface for MODBUS, RSB; SELV                                                                                                                                                                                                                                                                                                           |
|     | CON2  | GND         | Reference ground for control interface, SELV                                                                                                                                                                                                                                                                                                    |
|     | CON2  | IO1         | Function parameterizable (see "Optional interface functions" table)<br>Factory setting:<br>Digital input - high active, function: Disable input, SELV<br>- inactive: Pin open or applied voltage < 1.5 VDC<br>- active: applied voltage 3.5-50 VDC<br>Reset function: Triggering of error reset on change of state from "enabled" to "disabled" |
|     | CON2  | IO2         | Function parameterizable (see "Optional interface functions" table)<br>Factory setting:<br>Analog input 0-10 V / PWM, Ri=100 kΩ, function: Set value<br>Characteristic curve parameterizable (see input characteristic curve P1-IN), SELV                                                                                                       |
|     | CON2  | IO3         | Function parameterizable (see "Optional interface functions" table)<br>Factory setting:<br>Analog output 0-10 V, max. 5 mA, function: Fan modulation level<br>Characteristic curve parameterizable (see output characteristic curve P3-OUT), SELV                                                                                               |
|     | CON2  | Vout        | Voltage output 3.3-24 VDC ±5%, Pmax=800 mW, voltage parameterizable<br>Factory setting: 10 VDC<br>short-circuit-proof, supply for external devices, SELV<br>alternatively: 15-50 VDC input for parameterization via MODBUS without line voltage                                                                                                 |
|     | CON2  | COM         | Status relay, floating status contact, common connection, contact rating 250 VAC / 2 A (AC1) / min. 10 mA, reinforced insulation on supply side and on control interface side                                                                                                                                                                   |
|     | CON2  | NC          | Status relay, floating status contact, break for failure                                                                                                                                                                                                                                                                                        |
|     |       | LED         | green: status = good, ready for operation<br>orange: status = warning<br>red: status = failure                                                                                                                                                                                                                                                  |
|     |       | P1-IN       | Input characteristic curve                                                                                                                                                                                                                                                                                                                      |
|     |       | P3-OUT      | Output characteristic curve                                                                                                                                                                                                                                                                                                                     |

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Terminal/plug assignment

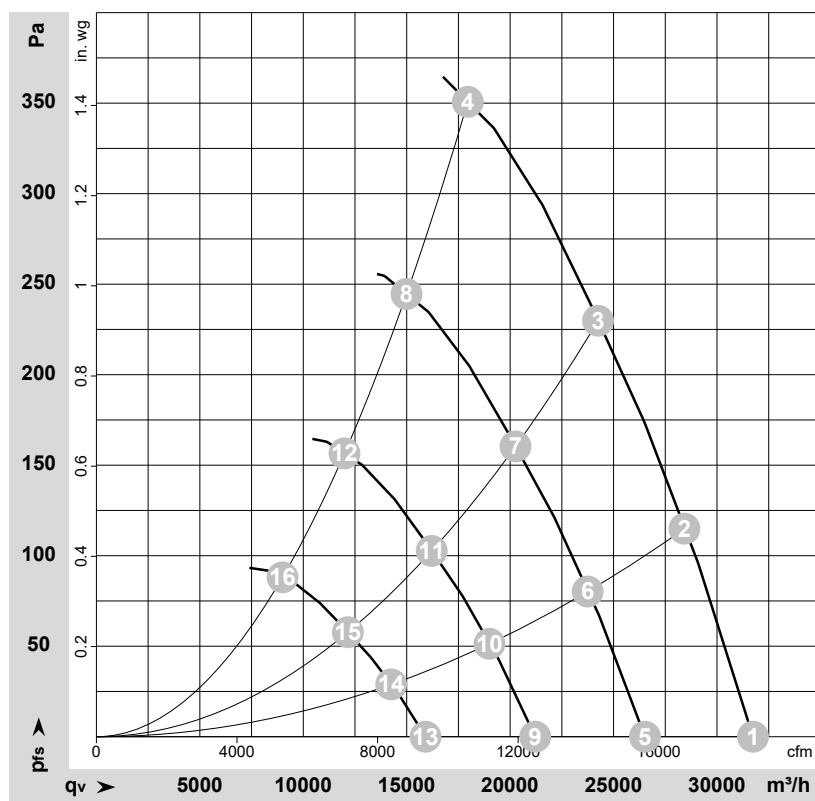
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|----------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------|--|----------------------------------------------------|--|--------------------------|--|------|--|----------------------|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| ○ configurable option                                                                                                            |  | configurable IO<br>functions: normal /<br>inverse |  | MODBUS<br>Register for IO<br>mode<br>configuration |  | electrical specification |  | CON2 |  | configurable IO mode |  | CON2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| For further information and additional functions see EC Control Software, Fan-Set-App,<br>or MODBUS Parameter Specification V6.3 |  |                                                   |  |                                                    |  |                          |  |      |  |                      |  |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

# EC axial panel fan - AxiBlade

sickle-shaped blades (S series)

Fan housing with guide vanes

## Curves: Air performance 50 Hz



$$\rho = 1.15 \text{ kg/m}^3 \pm 2 \%$$

Measurement: LU-187998-1  
Date: 2017-08-11  
Housing: 15863-2-4037

Air performance measured according to ISO 5801 installation category A. For detailed information on the measurement setup, contact ebm-papst. Intake sound level: Sound power level according to ISO 13347 / sound pressure level measured at 1 m distance from fan axis. The values given are valid under the specified measuring conditions and may vary due to conditions of installation. For deviations from the standard configuration, the parameters have to be checked on the installed unit.

## Measured values

|    | Wired | U   | f  | n                 | P <sub>ed</sub> | I    | LpA <sub>in</sub> | LwA <sub>in</sub> | LwA <sub>out</sub> | q <sub>v</sub>    | p <sub>fs</sub> | q <sub>v</sub> | p <sub>fs</sub> |
|----|-------|-----|----|-------------------|-----------------|------|-------------------|-------------------|--------------------|-------------------|-----------------|----------------|-----------------|
|    |       | V   | Hz | min <sup>-1</sup> | W               | A    | dB(A)             | dB(A)             | dB(A)              | m <sup>3</sup> /h | Pa              | cfm            | in. wg          |
| 1  | 3~    | 400 | 50 | 1190              | 2377            | 3.68 | 75                | 82                | 85                 | 31740             | 0               | 18680          | 0.00            |
| 2  | 3~    | 400 | 50 | 1190              | 2825            | 4.34 | 73                | 81                | 83                 | 28425             | 115             | 16730          | 0.46            |
| 3  | 3~    | 400 | 50 | 1190              | 3160            | 4.85 | 76                | 83                | 83                 | 24250             | 230             | 14275          | 0.92            |
| 4  | 3~    | 400 | 50 | 1190              | 3500            | 5.30 | 86                | 93                | 94                 | 17955             | 350             | 10565          | 1.41            |
| 5  | 3~    | 400 | 50 | 1000              | 1386            | 2.15 | 70                | 78                | 80                 | 26515             | 0               | 15605          | 0.00            |
| 6  | 3~    | 400 | 50 | 1000              | 1647            | 2.53 | 69                | 76                | 78                 | 23750             | 81              | 13980          | 0.33            |
| 7  | 3~    | 400 | 50 | 1000              | 1843            | 2.83 | 71                | 78                | 79                 | 20260             | 161             | 11925          | 0.65            |
| 8  | 3~    | 400 | 50 | 1000              | 1979            | 3.02 | 81                | 89                | 89                 | 14990             | 245             | 8825           | 0.98            |
| 9  | 3~    | 400 | 50 | 800               | 710             | 1.10 | 65                | 72                | 75                 | 21215             | 0               | 12485          | 0.00            |
| 10 | 3~    | 400 | 50 | 800               | 843             | 1.30 | 63                | 71                | 72                 | 19000             | 52              | 11180          | 0.21            |
| 11 | 3~    | 400 | 50 | 800               | 943             | 1.45 | 66                | 73                | 73                 | 16210             | 103             | 9540           | 0.41            |
| 12 | 3~    | 400 | 50 | 800               | 1013            | 1.55 | 76                | 83                | 84                 | 11995             | 157             | 7060           | 0.63            |
| 13 | 3~    | 400 | 50 | 600               | 299             | 0.46 | 57                | 65                | 67                 | 15910             | 0               | 9365           | 0.00            |
| 14 | 3~    | 400 | 50 | 600               | 356             | 0.55 | 56                | 63                | 65                 | 14250             | 29              | 8385           | 0.12            |
| 15 | 3~    | 400 | 50 | 600               | 398             | 0.61 | 58                | 66                | 66                 | 12155             | 58              | 7155           | 0.23            |
| 16 | 3~    | 400 | 50 | 600               | 427             | 0.65 | 68                | 76                | 76                 | 8995              | 88              | 5295           | 0.35            |

Wired = Wiring · U = Voltage · f = Frequency · n = Speed (rpm) · P<sub>ed</sub> = Power consumption · I = Current draw · LpA<sub>in</sub> = Sound pressure level intake side · LwA<sub>in</sub> = Sound power level intake side  
LwA<sub>out</sub> = Sound power level outlet side · q<sub>v</sub> = Air flow · p<sub>fs</sub> = Pressure increase