

A2D200-AA02-02

AC axial fan

straight blades (A series)



Nominal data

| | | | | | |
|-------------------------------|-------------------|----------|----------|------|------|
| Type | A2D200-AA02-02 | | | | |
| Motor | M2D068-CF | | | | |
| Phase | | 3~ | 3~ | 3~ | 3~ |
| Nominal voltage | VAC | 230 | 230 | 400 | 400 |
| Connection | | Δ | Δ | Y | Y |
| Frequency | Hz | 50 | 60 | 50 | 60 |
| Type of data definition | | fa | fa | fa | fa |
| Valid for approval / standard | | CE | CE | CE | CE |
| Speed | min ⁻¹ | 2800 | 3150 | 2800 | 3150 |
| Power input | W | 53 | 70 | 53 | 70 |
| Current draw | A | 0.26 | 0.24 | 0.15 | 0.14 |
| Max. back pressure | Pa | 200 | 300 | 200 | 300 |
| Max. ambient temperature | °C | 75 | 75 | 75 | 75 |
| Starting current | A | 0.81 | 0.78 | 0.47 | 0.45 |

ml = max. load · me = max. efficiency · fa = running at free air · cs = customer specs · cu = customer unit
Subject to alterations

A2D200-AA02-02

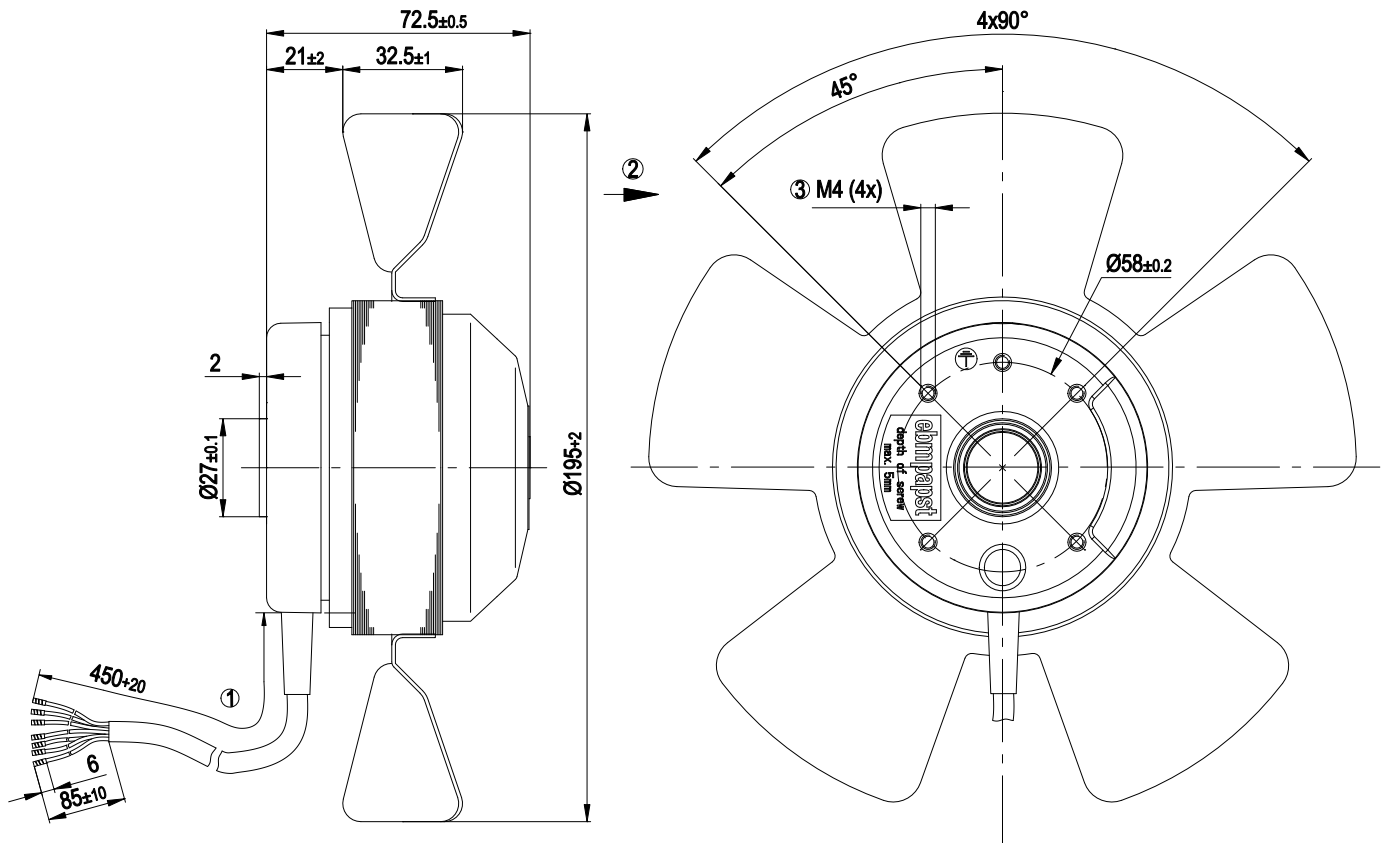
AC axial fan

straight blades (A series)

Technical features

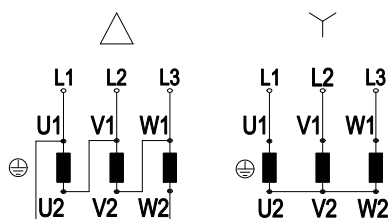
| | |
|---|---|
| Mass | 1.6 kg |
| Size | 200 mm |
| Surface of rotor | Coated in black |
| Material of blades | Sheet steel, coated in black |
| Number of blades | 5 |
| Direction of air flow | "A" |
| Direction of rotation | Clockwise, seen on rotor |
| Type of protection | IP 44; Depending on installation and position as per EN 60034-5 |
| Insulation class | "B" |
| Humidity class | F1-2 |
| Max. permissible ambient motor temp. (transp./ storage) | + 80 °C |
| Min. permissible ambient motor temp. (transp./storage) | - 40 °C |
| Mounting position | Shaft horizontal or rotor on bottom; rotor on top on request |
| Condensate discharge holes | Rotor-side |
| Operation mode | S1 |
| Motor bearing | Ball bearing |
| Touch current acc. IEC 60990 (measuring network Fig. 4, TN system) | < 0.75 mA |
| Cable exit | Lateral |
| Protection class | I (if protective earth is connected by customer) |
| Product conforming to standard | EN 60335-1 |
| Approval | CCC |

Product drawing



| | |
|---|--|
| 1 | Connection line PVC 7G 0.5mm ² , 7x brass lead tips crimped |
| 2 | Direction of air flow "A" |
| 3 | Depth of screw max. 5 mm |

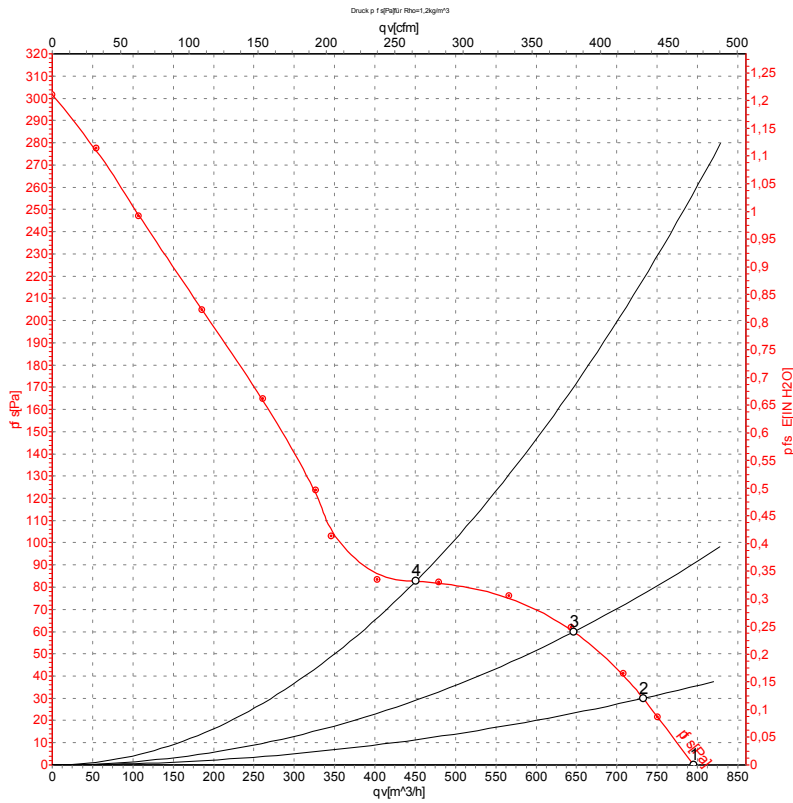
Connection screen



Note: Direction of rotation changes when two phases are reversed

| | | | | | |
|----|------------------|----|-----------------|----|-------|
| Δ | Delta connection | Y | Star connection | L1 | black |
| L2 | blue | L3 | brown | U1 | black |
| V1 | blue | W1 | brown | U2 | green |
| V2 | white | W2 | yellow | | |

Charts: Air flow 50 Hz



Measurement: LU-58516

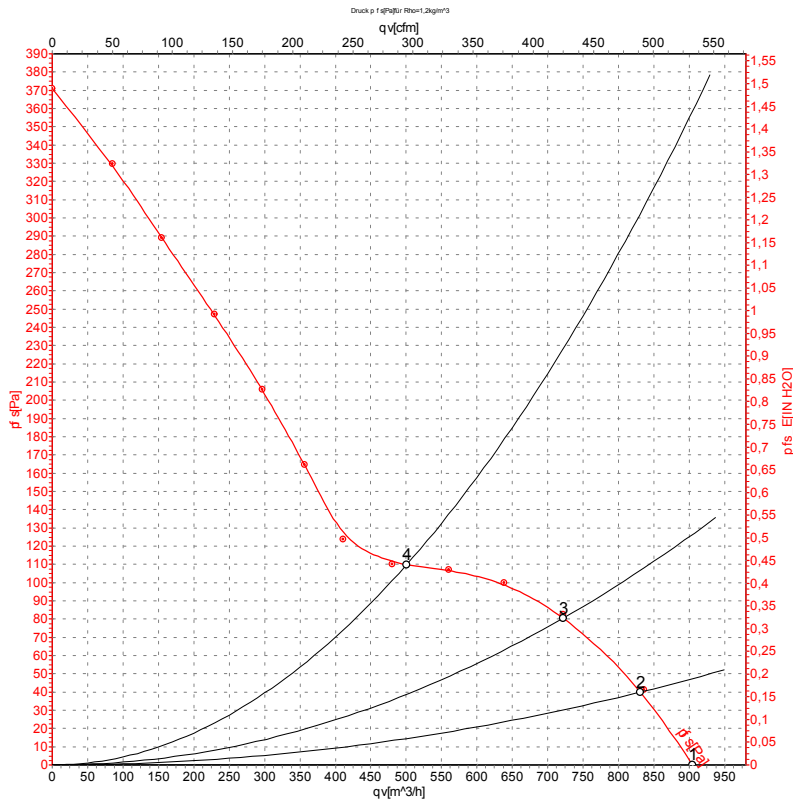
Air performance measured as per ISO 5801 Installation category A. For detailed information on the measuring set-up, please contact ebm-papst. Suction-side noise levels: L_{wA} measured as per ISO 13347 / L_{pA} measured with 1m distance to fan axis. The values given are valid under the measuring conditions 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 | f | n | P _e | I | qv | P _{fs} |
|---|-----|----|-------------------|----------------|------|-------------------|-----------------|
| | V | Hz | min ⁻¹ | W | A | m ³ /h | Pa |
| 1 | 400 | 50 | 2800 | 53 | 0.15 | 800 | 0 |
| 2 | 400 | 50 | 2800 | 54 | 0.15 | 735 | 30 |
| 3 | 400 | 50 | 2800 | 56 | 0.15 | 645 | 60 |
| 4 | 400 | 50 | 2800 | 52 | 0.15 | 450 | 83 |

U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · qv = Air flow · p_{fs} = Pressure increase

Charts: Air flow 60 Hz



Measurement: LU-58517

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: L_{wA} measured as per ISO 13347 / L_{pA} 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 | f | n | P _e | I | qv | P _{fs} |
|---|-----|----|-------------------|----------------|------|-------------------|-----------------|
| | V | Hz | min ⁻¹ | W | A | m ³ /h | Pa |
| 1 | 400 | 60 | 3150 | 70 | 0.14 | 910 | 0 |
| 2 | 400 | 60 | 3150 | 71 | 0.14 | 830 | 40 |
| 3 | 400 | 60 | 3150 | 74 | 0.14 | 720 | 80 |
| 4 | 400 | 60 | 3150 | 69 | 0.13 | 500 | 110 |

U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · qv = Air flow · P_{fs} = Pressure increase