

KARTA KATALOGOWA

A2D200-AA02-02

Wentylator osiowy AC, łopatki proste (seria A)

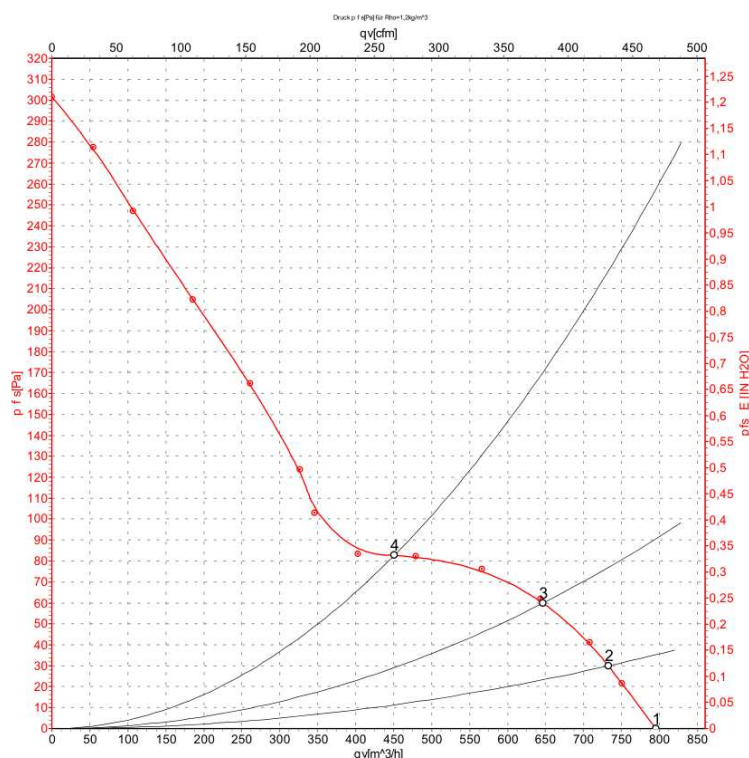
Producent: ebm-papst



Dane znamionowe		Budowa	
Napięcie znamionowe	3~ 230 / 230 / 400 / 400 V	Wielkość	200 mm
Połączenie	$\Delta / \Delta / Y / Y$	Silnik	M2D068-CF
Częstotliwość	50 / 60 / 50 / 60 Hz	Materiał wirnika	blacha stalowa malowana na czarno
Prędkość obrotowa	2800 / 3150 / 2800 / 3150 obr/min	Liczba łopatek	5
Pobór mocy	53 / 70 / 53 / 70 W	Kierunek obrotów	w prawo, patrząc na wirnik
Pobór prądu	0,26 / 0,24 / 0,15 / 0,14 A	Stopień ochrony	IP44
Prąd rozruchowy	0,81 / 0,78 / 0,47 / 0,45 A	Klasa izolacji	B
Maks. przeciwnieśnienie	200 / 300 / 200 / 300 Pa	Łożyskowanie	kulkowe
Temperatura otoczenia	-25...+75 °C	Masa	1,6 kg

Charakterystyka przepływowa (50 Hz)

Curves: Air performance 50 Hz



Measurement: LU-58516-1

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.

Dane na okładce wg karty katalogowej producenta ebm-papst (oryginał na kolejnych stronach).

Wartości przy swobodnym wydychu; producent zastrzega możliwość zmian.

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A2D200-AA02-02

AC axial fan
straight blades (A series)



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Amtsgericht (court of registration) Stuttgart · HRB 590142

Nominal data

Type	A2D200-AA02-02				
Motor	M2D068-CF				
Phase		3~	3~	3~	3~
Nominal voltage	VAC	230	230	400	400
Wiring		Δ	Δ	Y	Y
Frequency	Hz	50	60	50	60
Method of obtaining data		fa	fa	fa	fa
Valid for approval/standard		CE	CE	CE	CE
Speed (rpm)	min ⁻¹	2800	3150	2800	3150
Power consumption	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. back pressure	in. wg	0.8	1.2	0.8	1.2
Min. ambient temperature	°C	-25	-25	-25	-25
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 = Free air · cs = Customer specification · ce = Customer equipment
Subject to change



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AC axial fan

straight blades (A series)

Technical description

Weight	1.6 kg
Size	200 mm
Motor size	68
Rotor surface	Painted black
Blade material	Sheet steel, painted black
Number of blades	5
Airflow direction	A
Direction of rotation	Clockwise, viewed toward rotor
Degree of protection	IP44; installation- and position-dependent as per EN 60034-5
Insulation class	"B"
Moisture (F) / Environmental (H) protection class	H1
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
Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system)	< 0.75 mA
With cable	Lateral
Protection class assignment	I; If a protective earth is connected by the customer This component for installation may have several local protection classes. This information relates to this component's basic design. The final protection class is based on the component's intended installation and connection.
Conformity with standards	EN 60204-1; EN 60204-1; EN 60335-1, motor not provided with overheating protection at the factory; CE; UKCA
Comment on CE	Ecodesign Directive 2009/125/EC + Fan Directive (EC) No. 327/2011 does not apply, as power consumption <125W.
Approval	EAC; CCC

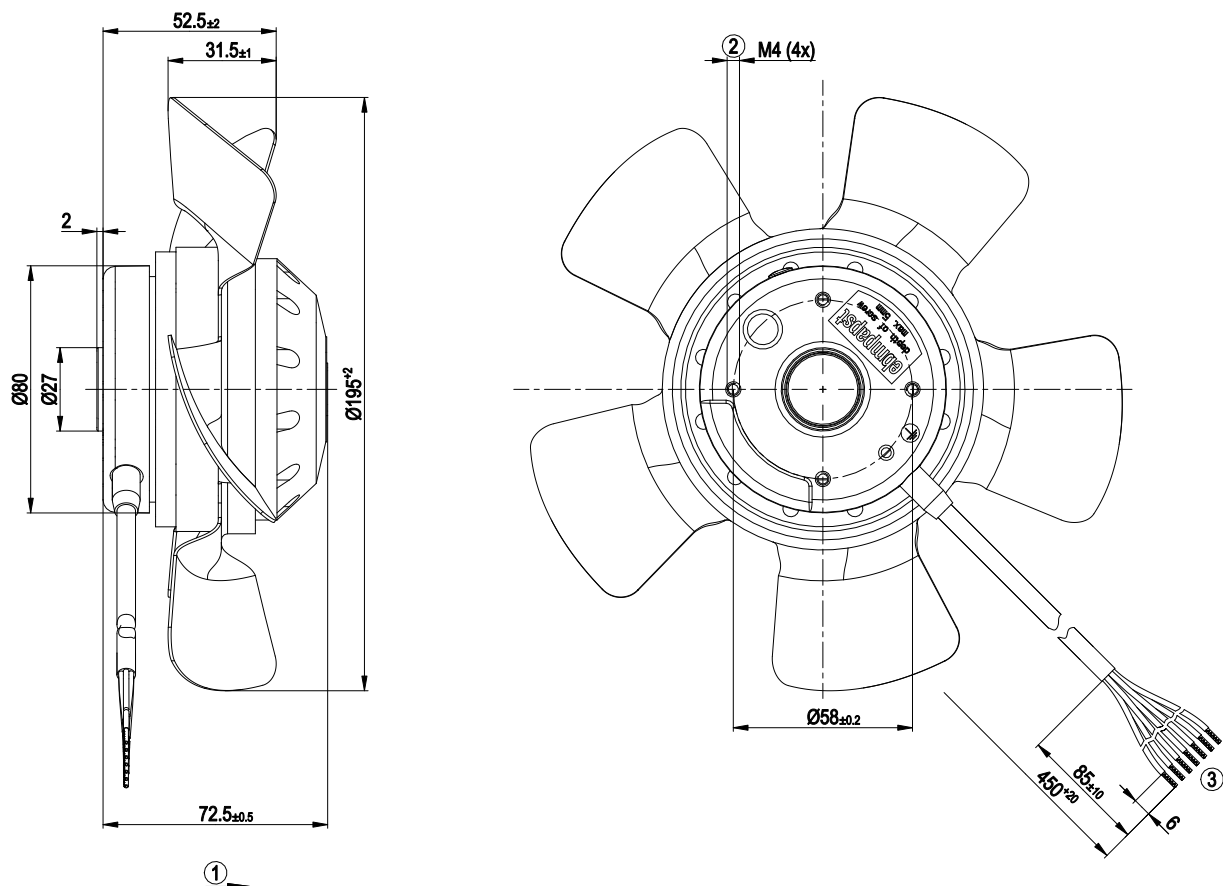


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AC axial fan

straight blades (A series)

Product drawing

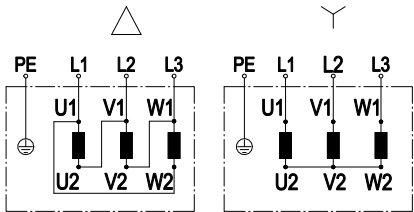


1	Direction of air flow "A"
2	Max. clearance for screw 5 mm
3	Cable PVC AWG20
	7x splice

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Connection diagram



Change of rotation direction by reversing two phases

	Three-phase motor	Δ	Delta connection	Y	Star connection
L1	= U1 = black	L2	= V1 = blue	L3	= W1 = brown
U2	green	V2	white	W2	yellow
PE	green/yellow				

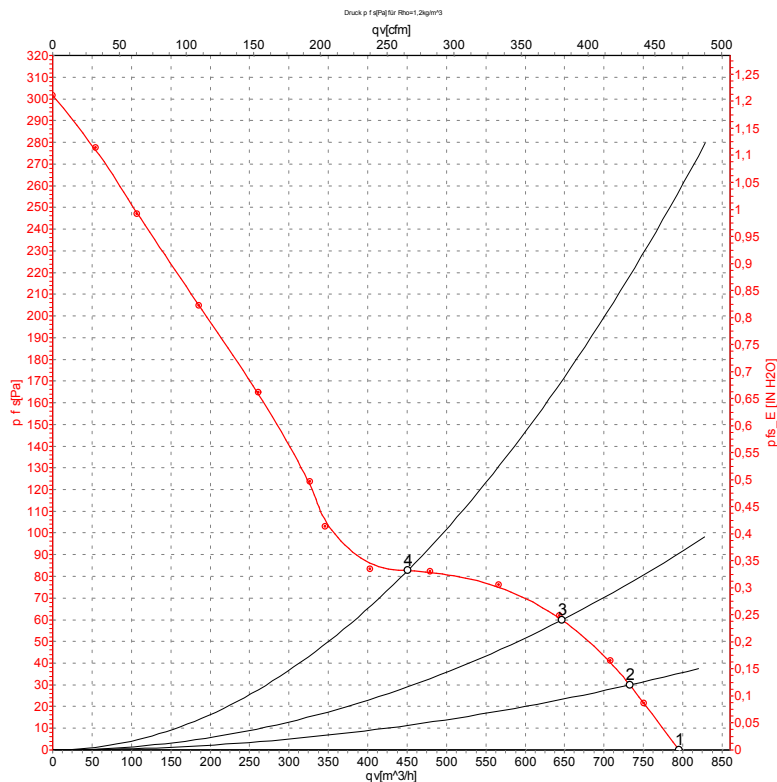


A2D200-AA02-02

AC axial fan

straight blades (A series)

Curves: Air performance 50 Hz



Measurement: LU-58516-1

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

	U	f	n	P _e	I	q _v	P _{fs}	q _v	P _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	Pa	cfm	in. wg
1	400	50	2800	53	0.15	800	0	470	0.00
2	400	50	2800	54	0.15	735	30	430	0.12
3	400	50	2800	56	0.15	645	60	380	0.24
4	400	50	2800	52	0.15	450	83	265	0.33

U = Voltage · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw · q_v = Air flow · p_{fs} = Pressure increase

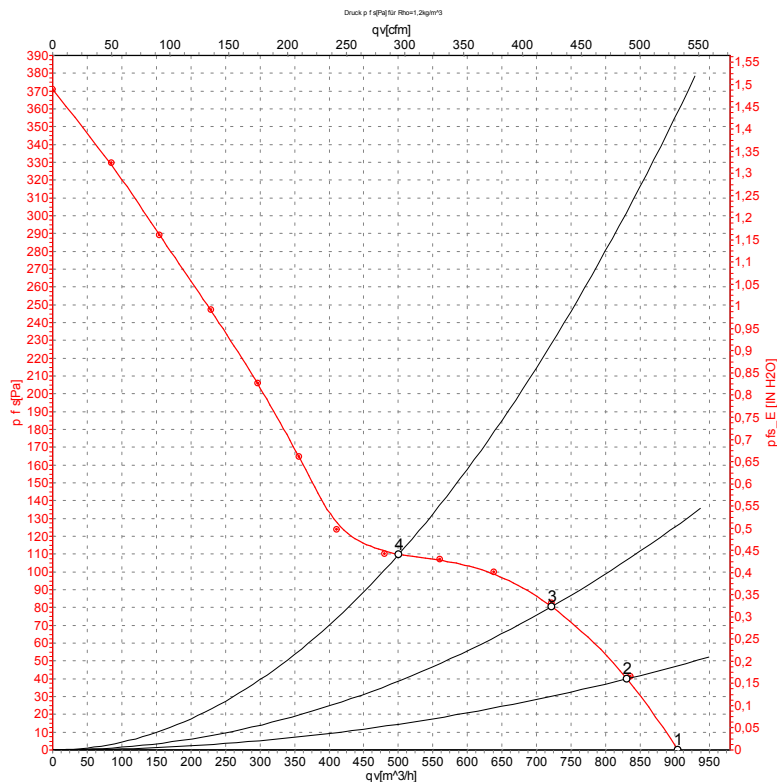


A2D200-AA02-02

AC axial fan

straight blades (A series)

Curves: Air performance 60 Hz



Measurement: LU-58517-1

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

	U	f	n	P _e	I	q _v	P _{fs}	q _v	P _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	Pa	cfm	in. wg
1	400	60	3150	70	0.14	910	0	535	0.00
2	400	60	3150	71	0.14	830	40	490	0.16
3	400	60	3150	74	0.14	720	80	425	0.32
4	400	60	3150	69	0.13	500	110	295	0.44

U = Voltage · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw · q_v = Air flow · P_{fs} = Pressure increase

