A4E300-AU26-07

AC axial fan - HyBlade

sickle-shaped blades (S series)

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Nominal data

Type	**A4E300-AU26-07**
Motor	**M4E068-BF**

Phase		1~	1~	1~
Nominal voltage	VAC	115	115	115
Frequency	Hz	50	60	60
Method of obtaining data		ml	ml	ml
Valid for approval/standard		CE	CE	UL 2111
Speed (rpm)	min^{-1}	1070	1140	1140
Power consumption	W	52	60	65
Current draw	A	0.47	0.53	0.55
Capacitor	µF	6	6	6
Capacitor voltage	VDB	250	250	250
Capacitor standard		S0 (CE)	S0 (CE)	UL
Max. back pressure	Pa	30	33	33
Max. back pressure	inH2O	0.12	0.13	0.13
Min. ambient temperature	°C	-25	-25	-25
Max. ambient temperature	°C	45	60	60

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

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Technical description

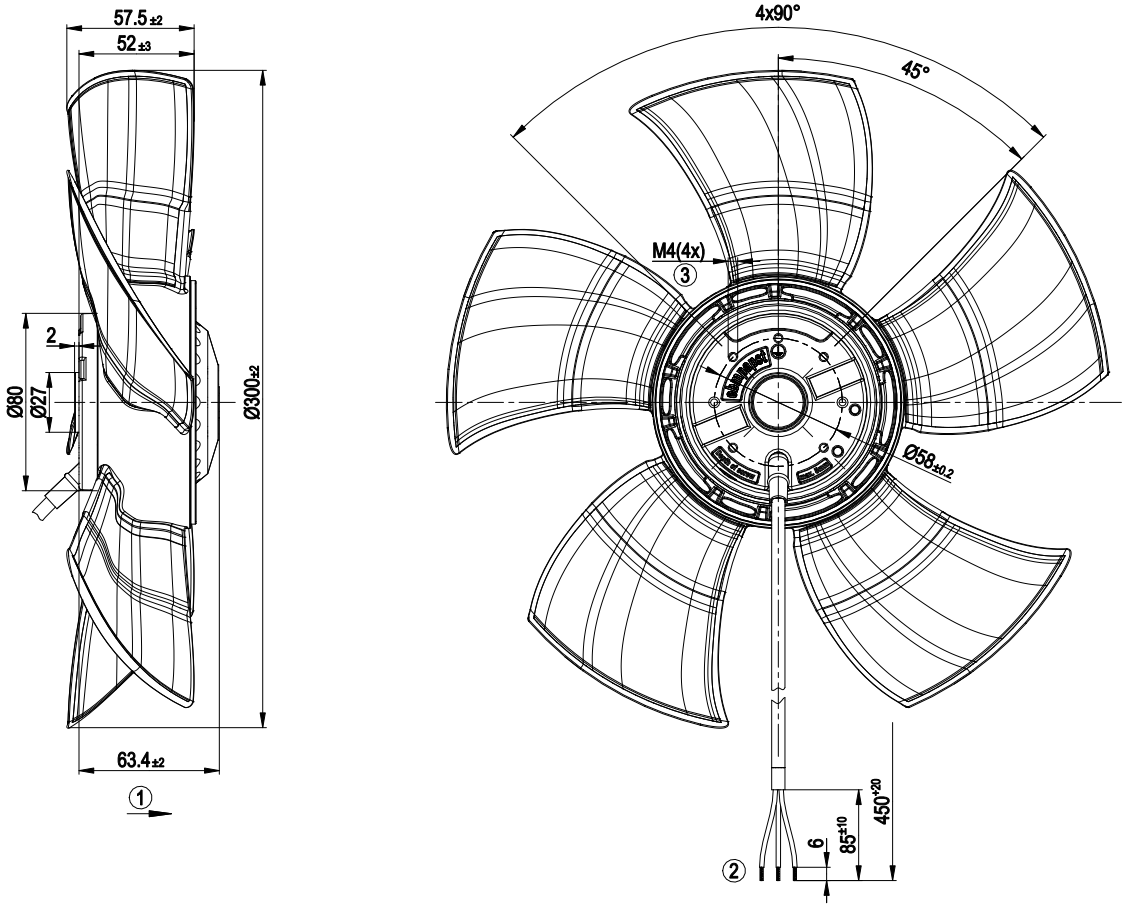
Fan size	300 mm
Rotor surface	Painted black
Blade material	PP-GF40 plastic
Number of blades	5
Airflow direction	"A"
Direction of rotation	Clockwise, viewed toward rotor
Degree of protection	IP44; installation- and position-dependent as per EN 60034-5
Insulation class	"B"
Moisture (F) / Environmental (H) protection class	H0+
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
Motor protection	Thermal overload protector (TOP) internally connected
With cable	Variable
Protection class	I (with customer connection of protective earth)
Conformity with standards	EN 60335-1; CE
Approval	CCC; CSA C22.2 No. 77; UL 2111

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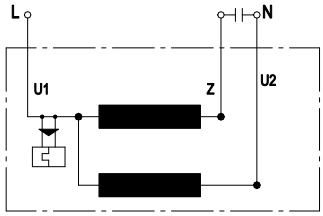
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Product drawing



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

Connection diagram



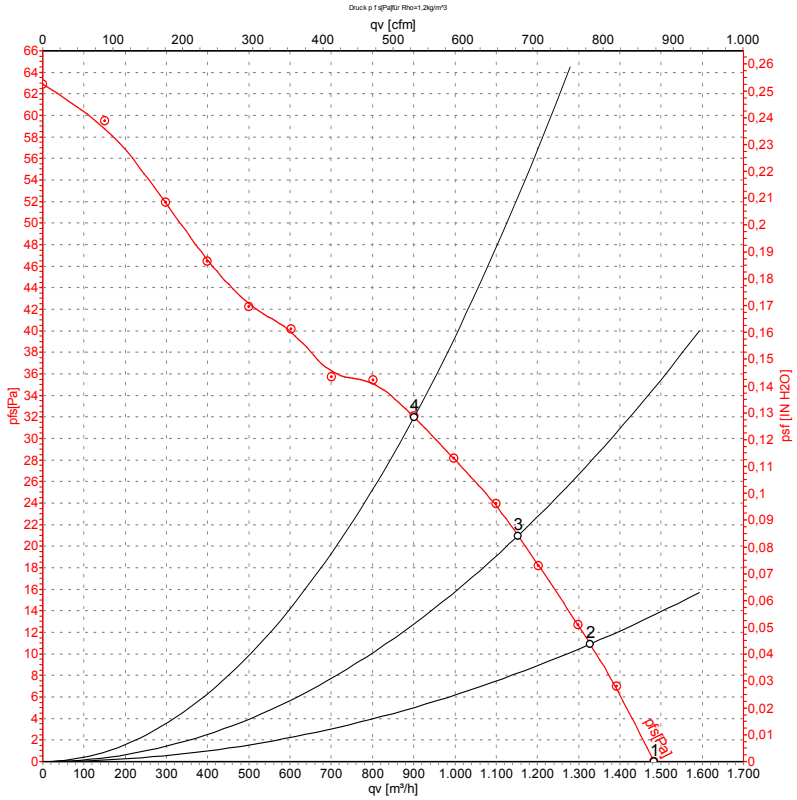
U1	blue	Z	brown	U2	black

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AC axial fan - HyBlade

sickle-shaped blades (S series)

Curves: Air performance 50 Hz



Measurement: LU-139952-1

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	LpA_{in}	LwA_{in}	q_V	p_{fs}	q_V	p_{fs}
	V	Hz	min^{-1}	W	A	dB(A)	dB(A)	m^3/h	Pa	cfm	inH2O
1	115	50	1160	50	0.44	49	57	1485	0	875	0.00
2	115	50	1130	51	0.45	48	56	1330	11	780	0.04
3	115	50	1110	51	0.45	47	55	1155	21	680	0.08
4	115	50	1070	52	0.47	47	55	900	32	530	0.13

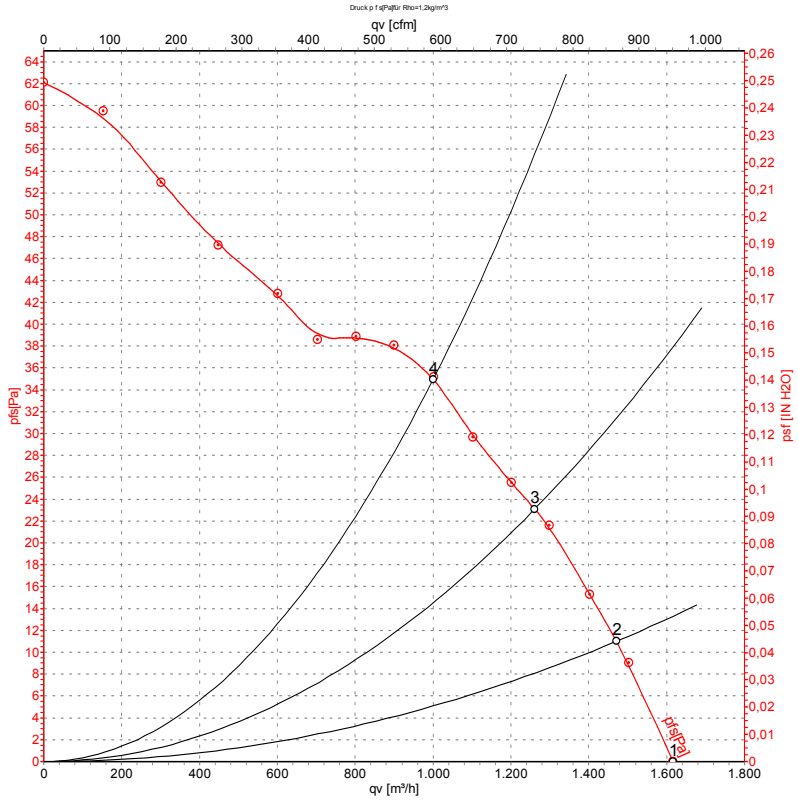
U = Power supply · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw · LpA_{in} = Sound pressure level intake side · LwA_{in} = Sound power level intake side
q_V = Air flow · p_{fs} = Pressure increase

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Curves: Air performance 60 Hz



Measurement: LU-139951-1

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	LpA_{in}	LwA_{in}	q_V	p_{fs}	q_V	p_{fs}
	V	Hz	min^{-1}	W	A	dB(A)	dB(A)	m^3/h	Pa	cfm	inH2O
1	115	60	1260	57	0.50	50	58	1615	0	950	0.00
2	115	60	1225	57	0.50	50	58	1470	11	865	0.04
3	115	60	1195	59	0.51	49	57	1260	23	740	0.09
4	115	60	1140	60	0.53	49	57	1000	35	590	0.14

U = Power supply · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw · LpA_{in} = Sound pressure level intake side · LwA_{in} = Sound power level intake side
q_V = Air flow · p_{fs} = Pressure increase

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