A6E330-AA02-10

AC axial fan

straight blades (A series)

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Nominal data

Type	**A6E330-AA02-10**
Motor	**M6E068-DF**

Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz	50	60
Type of data definition		fa	fa
Valid for approval / standard		CE	CE
Speed	min^{-1}	910	1070
Power input	W	70	75
Current draw	A	0.33	0.33
Motor capacitor	µF	2	2
Capacitor voltage	VDB	400	400
Capacitor standard		P0 (CE)	P0 (CE)
Max. ambient temperature	°C	30	40

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

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Technical features

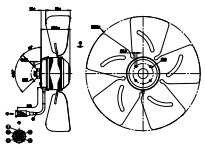
Mass	2.4 kg
Size	330 mm
Surface of rotor	Coated in black
Material of impeller	Sheet steel, hot-dip galvanised
Number of blades	5
Direction of air flow	"V"
Direction of rotation	Counter-clockwise, seen on rotor
Type of protection	IP 44
Insulation class	"B"
Humidity class	F2-2
Max. permissible ambient 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
Electrical leads	With plug
Motor protection	Thermal overload protector (TOP) wired internally
Cable exit	Lateral
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1; CE

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Product drawing



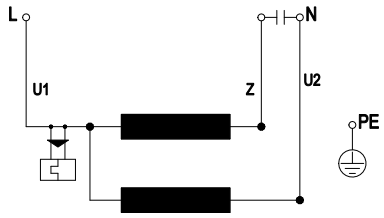
1	Connector housing AMP Mate-N-Lok
1.1	Lug
1.2	brown
1.3	green/yellow
1.4	black
1.5	blue
2	red colour coding
3	Depth of screw max. 5 mm
4	Direction of air flow "V"

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Connection screen



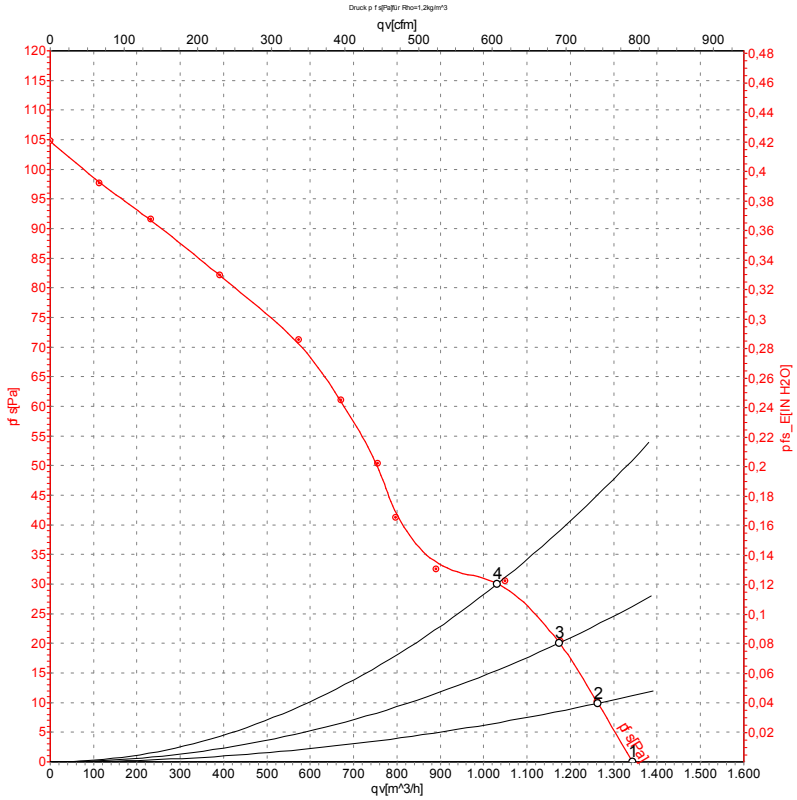
U1	blue	Z	brown	U2	black
PE	green/yellow				

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AC axial fan

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Charts: Air flow 50 Hz



Measurement: LU-24904

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	f	n	P_e	I	qv	p_{fs}
	V	Hz	min^{-1}	W	A	m^3/h	Pa
1	230	50	910	70	0.33	1345	0
2	230	50	910	71	0.33	1265	10
3	230	50	910	72	0.34	1175	20
4	230	50	910	72	0.34	1030	30

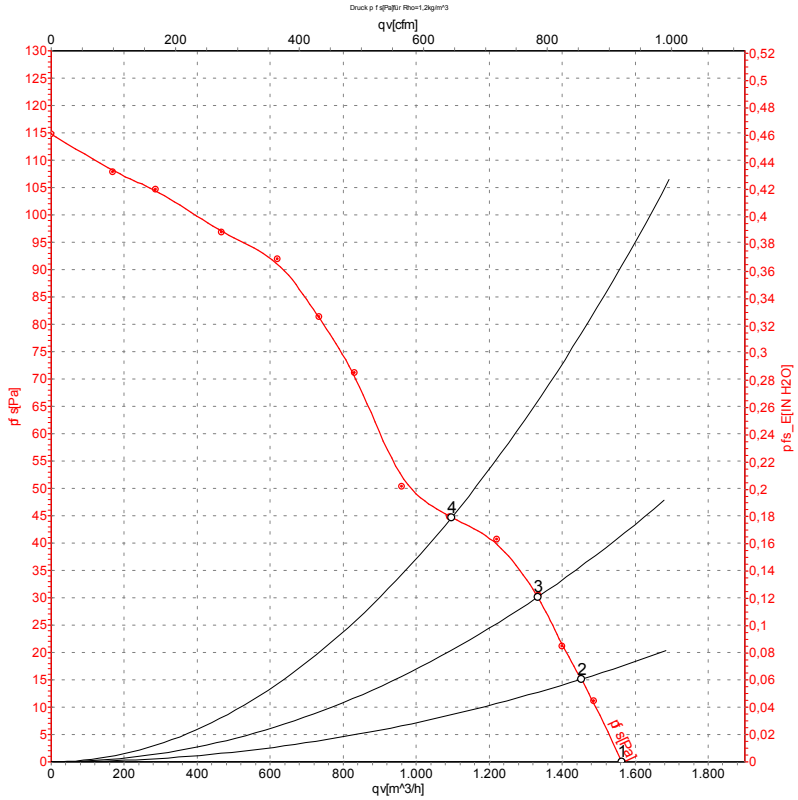
U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · qv = Air flow · p_{fs} = Pressure increase

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AC axial fan

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Charts: Air flow 60 Hz



Measurement: LU-24905

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	f	n	P_e	I	qv	p_{fs}
	V	Hz	min^{-1}	W	A	m^3/h	Pa
1	230	60	1070	75	0.33	1565	0
2	230	60	1070	79	0.34	1450	15
3	230	60	1060	80	0.35	1330	31
4	230	60	1065	79	0.34	1095	45

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

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