K2E200-AA12-01

AC diagonal module

with support bracket



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Amtsgericht (court of registration) Stuttgart · HRB 590142

Nominal data

Type	**K2E200-AA12-01**
Motor	**M2E068-CF**

Phase		1~	1~	1~
Nominal voltage	VAC	115	115	115
Frequency	Hz	50	60	60
Method of obtaining data		fa	fa	fa
Valid for approval/standard		CE	CE	UL 2111
Speed (rpm)	min^{-1}	2650	2910	2910
Power consumption	W	64	88	92
Current draw	A	0.56	0.77	0.78
Capacitor	µF	6	6	6
Capacitor voltage	VDB	250	250	250
Min. back pressure	Pa	0	0	0
Max. back pressure	Pa	200	240	240
Min. back pressure	inH2O	0	0	0
Max. back pressure	inH2O	0.8	0.96	0.96
Max. ambient temperature	°C	65	65	65

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

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Technical description

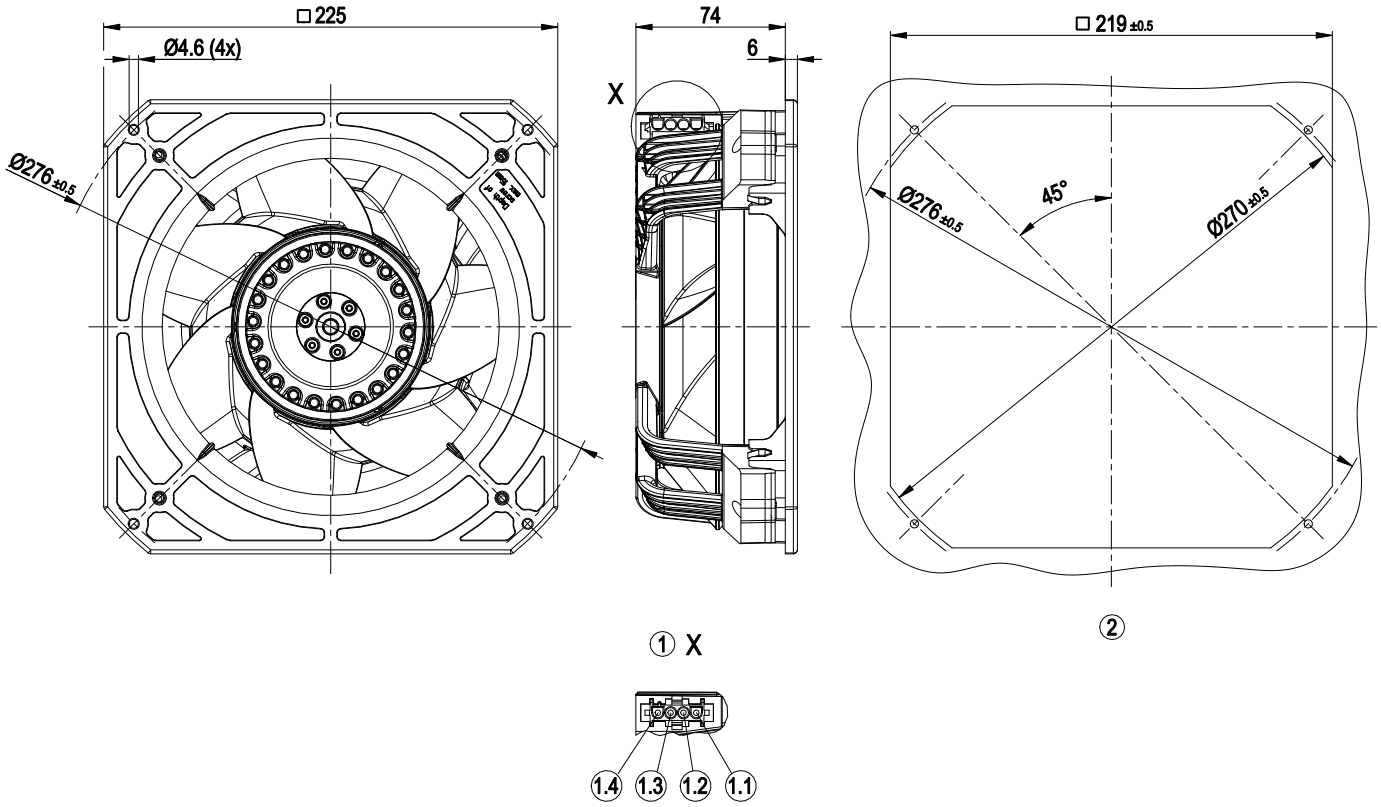
Weight	2.1 kg
Fan size	200 mm
Rotor surface	Painted black
Impeller material	PA plastic
Housing material	PA plastic
Support bracket material	PA plastic
Number of blades	7
Direction of rotation	Clockwise, viewed toward rotor
Degree of protection	IP44; installation- and position-dependent
Insulation class	"F"
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	Any
Condensation drainage holes	None
Mode	S1
Motor bearing	Ball bearing
Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system)	< 0.75 mA
Electrical hookup	STK; Capacitor mounted
Motor protection	Thermal overload protector (TOP) internally connected
With cable	Lateral
Protection class	I (with customer connection of protective earth)
Motor capacitor according to EN 60252-1 in safety protection class	S0
Conformity with standards	EN 60335-1; CE
Approval	CSA C22.2 No. 77; UL 2111

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Product drawing



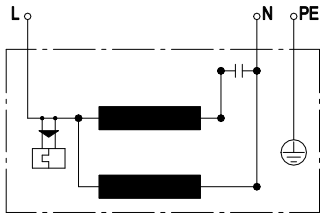
	tyco coded plug system
	4-pole connector housing tyco 926305-7
	3x plug pin tyco 926885-1
	Mating connector (not included in scope of delivery):
	4-pole connector housing tyco 350779-1
	3x socket tyco 926884-1
1.1	PE = green/yellow
1.2	L (blue)
1.3	N (black)
1.4	not used
2	Mounting dimensions

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Connection diagram



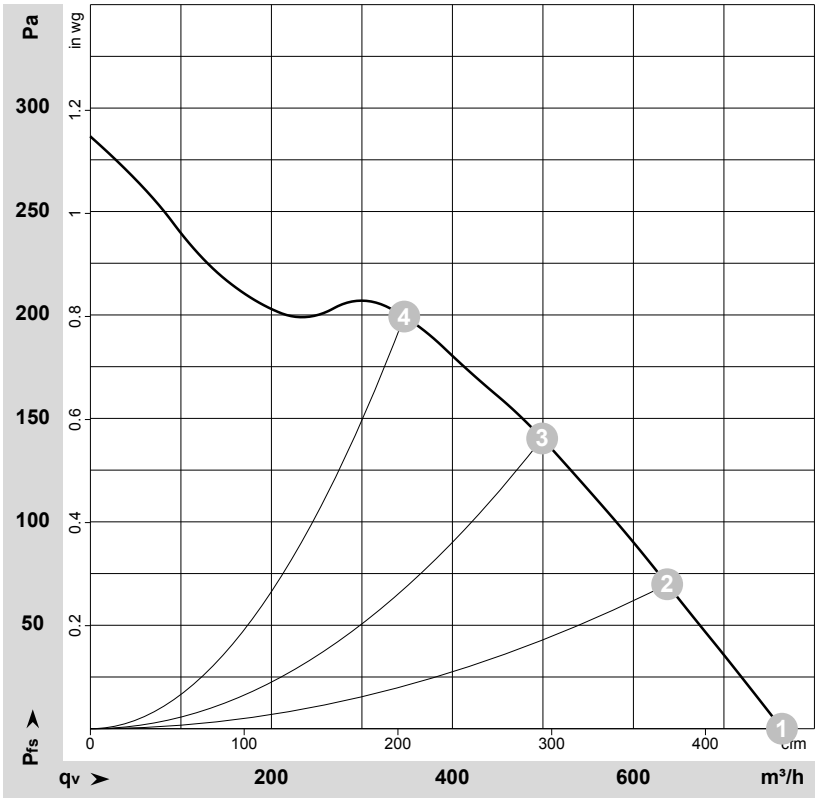
L	blue	N	black	PE	green/yellow

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Curves: Air performance 50 Hz



ρ = 1.15 kg/m³ ± 2 %

Measurement: LU-124895-1

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	2650	64	0.56	62	70	765	0	450	0.00
2	115	50	2610	67	0.59	60	67	635	70	375	0.28
3	115	50	2580	70	0.61	59	67	500	140	295	0.56
4	115	50	2595	68	0.60	61	69	345	200	205	0.80

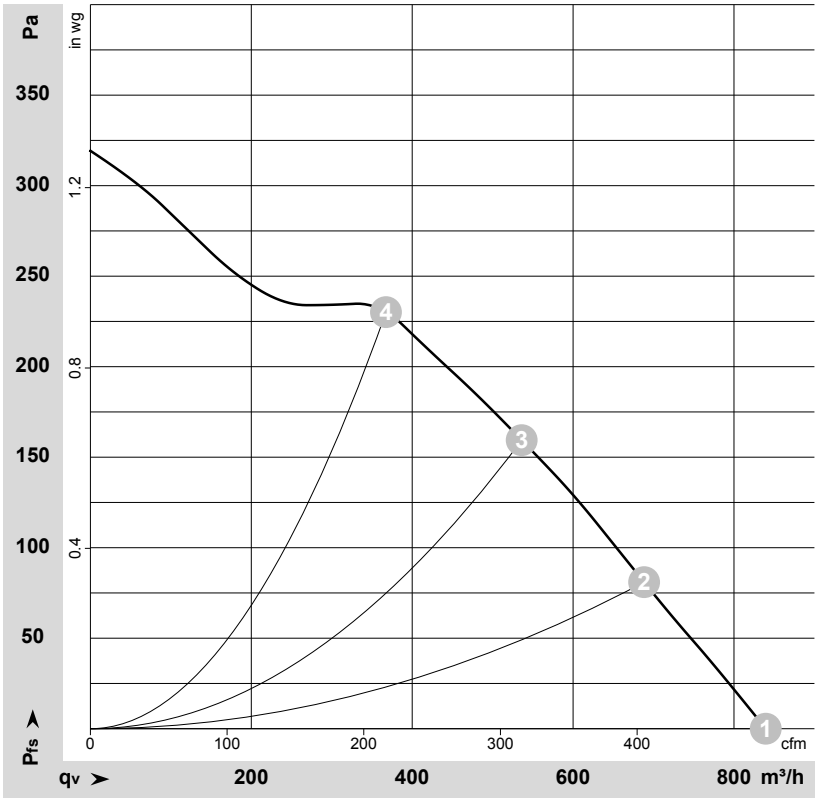
U = Power supply · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw · LpA_{in} = Sound pressure level intake side · LwA_{in} = Sound power level intake side
q_V = Air flow · p_{fs} = Pressure increase

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Curves: Air performance 60 Hz



ρ = 1.15 kg/m³ ± 2 %

Measurement: LU-124896-1

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	2910	88	0.77	64	72	840	0	495	0.00
2	115	60	2810	93	0.82	61	69	690	80	405	0.32
3	115	60	2755	96	0.84	61	69	535	160	315	0.64
4	115	60	2780	95	0.83	63	71	365	230	215	0.92

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
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