K2E200-AA12-01

AC diagonal module

with support bracket



ebm-papst Mulfingen GmbH & Co. KG
Bachmühle 2 · D-74673 Mulfingen
Phone +49 7938 81-0
Fax +49 7938 81-110
info1@de.ebmpapst.com
www.ebmpapst.com

Limited partnership · Headquarters Mulfingen
County court Stuttgart · HRA 590344

General partner Elektrobau Mulfingen GmbH · Headquarters Mulfingen
County court 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
Type of data definition		fa	fa	fa
Valid for approval / standard		CE	CE	UL 2111
Speed	min^{-1}	2650	2910	2910
Power input	W	64	88	92
Current draw	A	0.56	0.77	0.78
Motor 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
Max. ambient temperature	°C	65	65	65

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

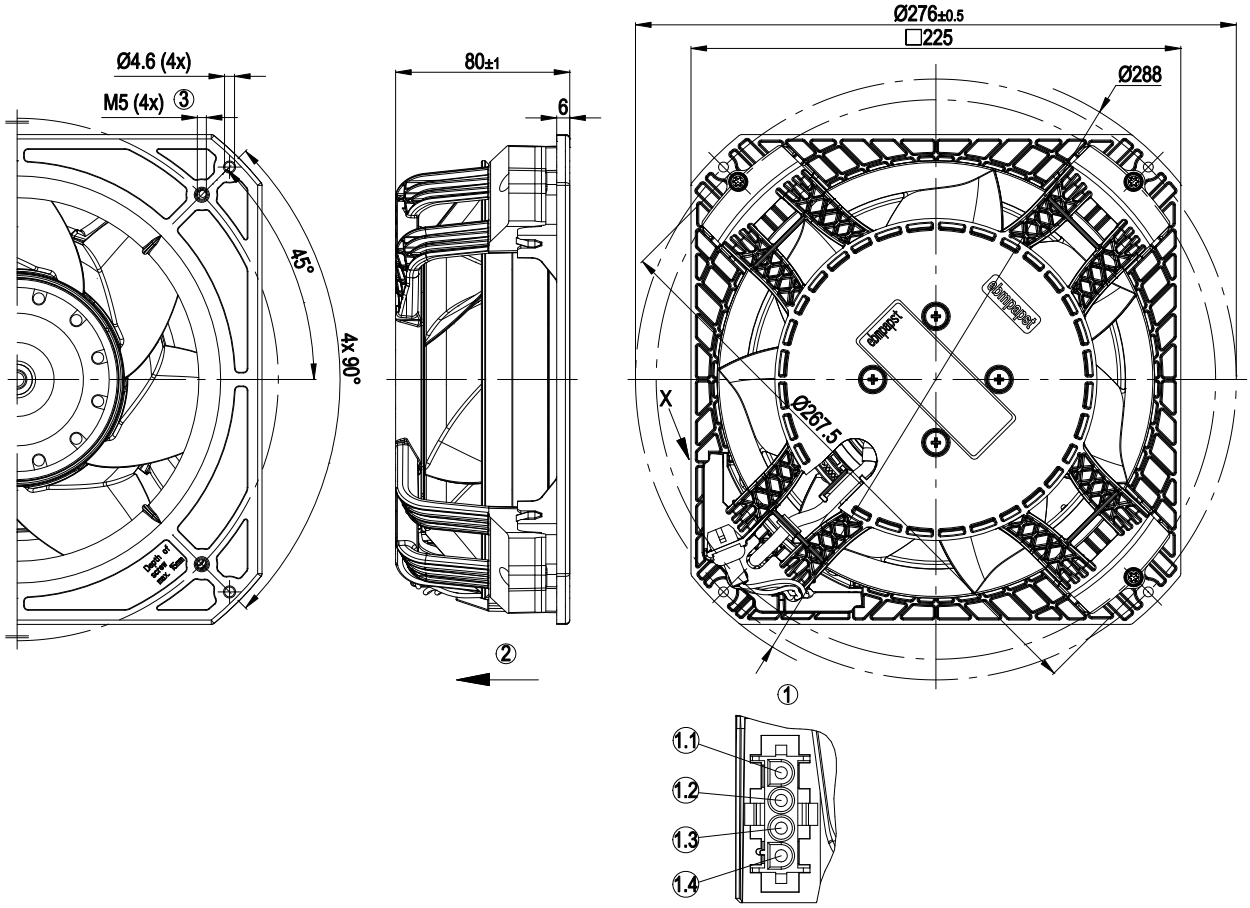
Mass	2.12 kg
Size	200 mm
Surface of rotor	Coated in black
Material of impeller	Plastic PA66, fibreglass-reinforced
Housing material	Plastic PA66, fibreglass-reinforced
Material of support bracket	Plastic PA66, fibreglass-reinforced
Number of blades	7
Direction of air flow	"V"
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 44; Depending on installation and position
Insulation class	"F"
Humidity class	F1-2
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Mounting position	Any
Condensate discharge holes	None
Operation mode	S1
Motor bearing	Ball bearing
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)	< 0.75 mA
Electrical leads	STK; Capacitor mounted
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
Approval	UL 2111; CSA C22.2 Nr.77

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Product drawing



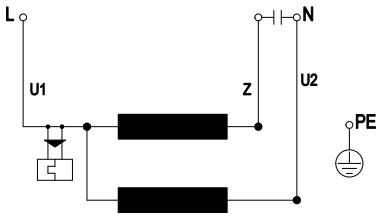
1	View X
	Coded plug system Universal Mate-N-Lok
	Connector housing: AMP 350 780-1
	3 x plug pin: AMP 926 885-1
	Mating connector (not included in standard scope of delivery):
	Connector housing: AMP 350 779-1
	3 x female connector: AMP 926 884-1
1.1	PE = green / yellow
1.2	L2 = blue
1.3	L1 = black
1.4	Not assigned
2	Direction of air flow "V"
3	Depth of screw max. 15 mm

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Connection screen



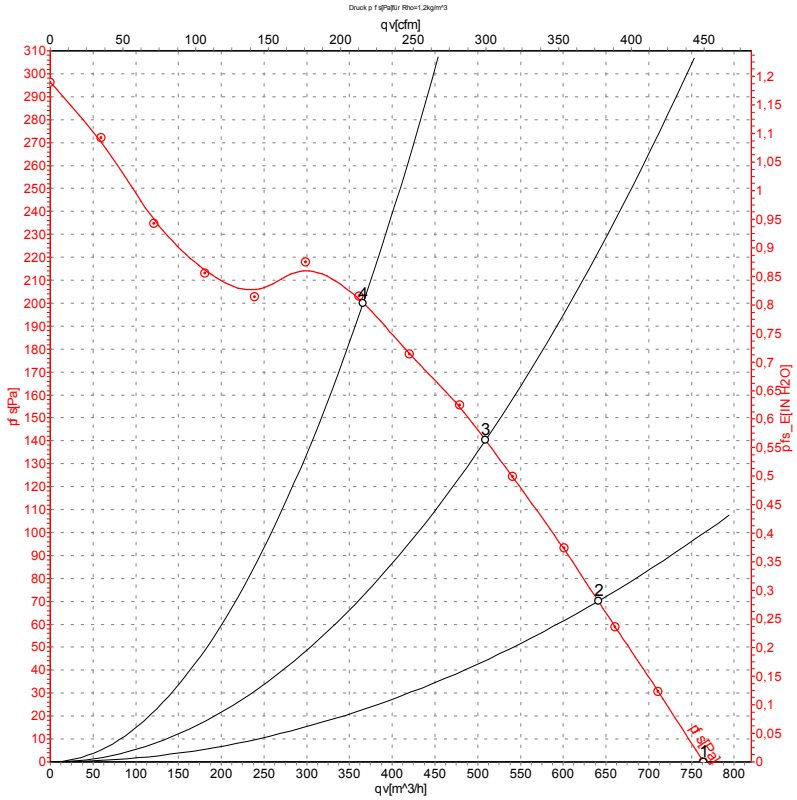
U1	blue	Z	brown	U2	black
PE	green/yellow				

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AC diagonal module

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Charts: Air flow 50 Hz



Measurement: LU-124895

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	115	50	2650	64	0.56	765	0
2	115	50	2610	67	0.59	640	70
3	115	50	2580	70	0.61	510	140
4	115	50	2590	69	0.61	365	200

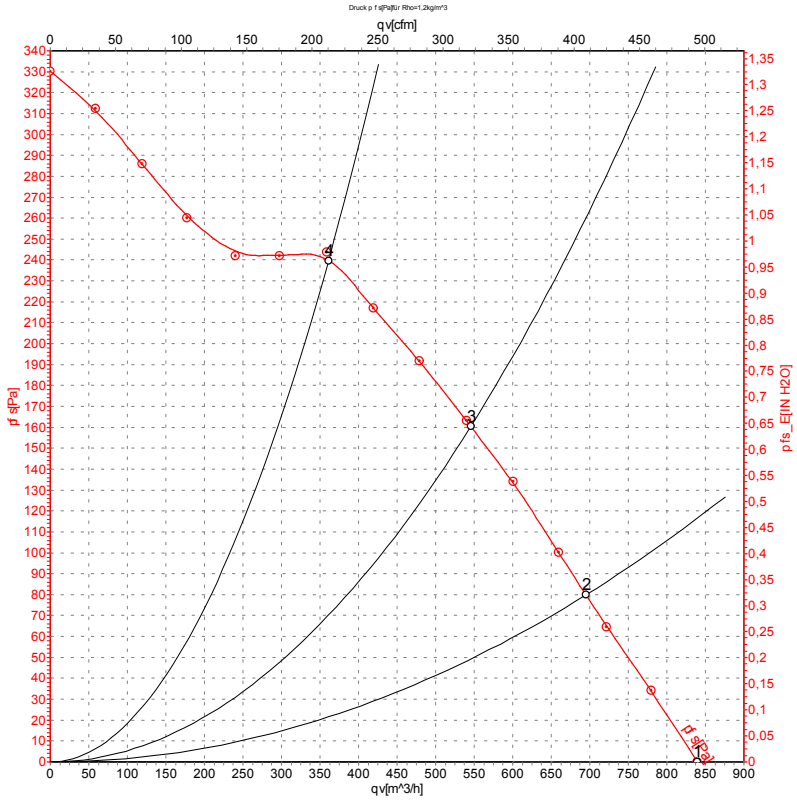
U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · qv = Air flow · p_{fs} = Pressure increase

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AC diagonal module

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Charts: Air flow 60 Hz



Measurement: LU-124896

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	LpA_{in}	LwA_{in}	qv	p_{fs}
	V	Hz	min^{-1}	W	A	dB(A)	dB(A)	m^3/h	Pa
1	115	60	2910	88	0.77	64	72	840	0
2	115	60	2815	93	0.81	61	69	695	80
3	115	60	2755	96	0.84	61	69	545	160
4	115	60	2780	95	0.83	63	71	360	240

U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · LpA_{in} = Sound pressure level inlet side · LwA_{in} = Sound power level inlet side · qv = Air flow
p_{fs} = Pressure increase

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