

AC dual centrifugal fan

dual inlet
with housing

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Nominal data

Type	K4E133-LA69-02		
Motor	M4E068-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	1000	1050
Power input	W	78	97
Current draw	A	0.35	0.44
Motor capacitor	µF	2.5	2.5
Capacitor voltage	VDB	400	400
Capacitor standard		P0 (CE)	P0 (CE)
Min. back pressure	Pa	0	0
Max. ambient temperature	°C	60	45
Starting current	A	0.41	0.46

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



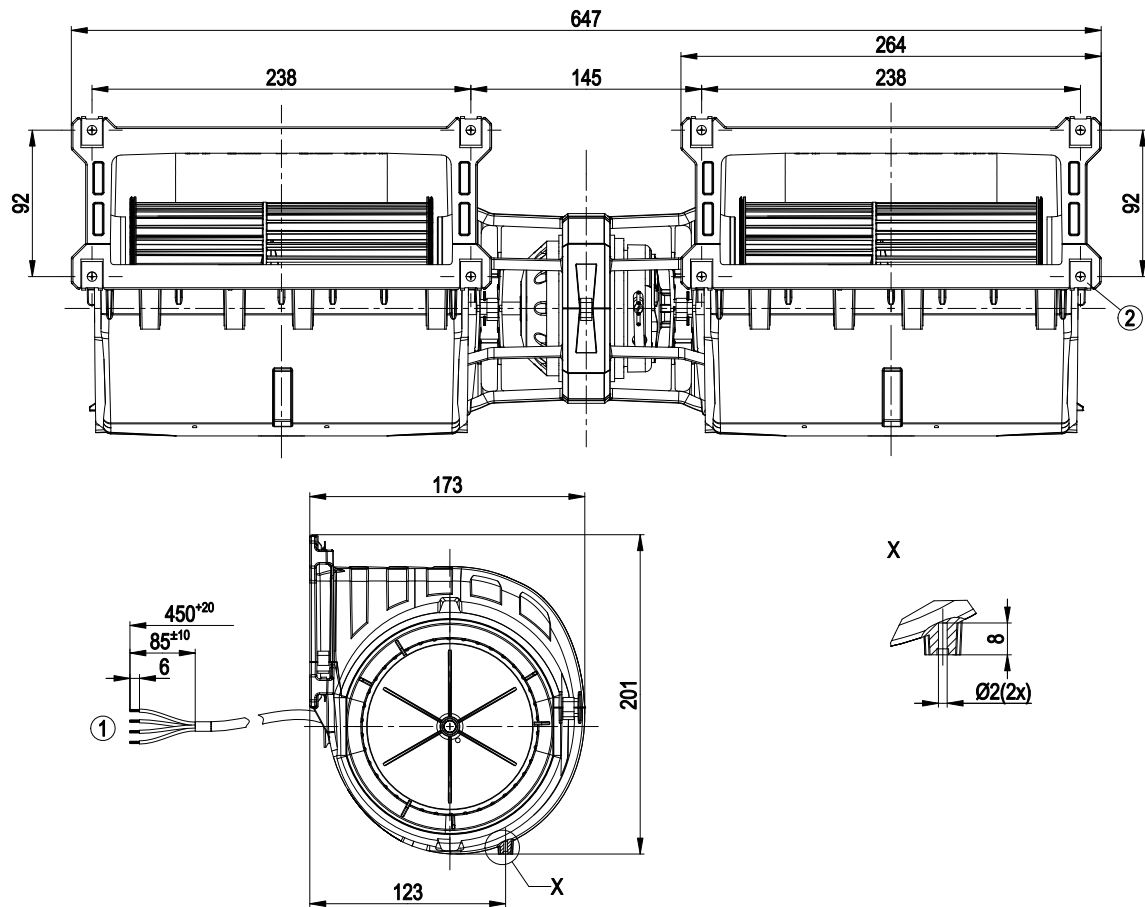
Technical features

Mass	3.9 kg
Size	133 mm
Material of impeller	Plastic PA6, fibreglass-reinforced
Housing material	Plastic, Polyfort PP-T20
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 44; Depending on installation and position
Insulation class	"F"
Humidity class	F0
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
Motor bearing	Ball bearing
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)	< 0.75 mA
Motor protection	Thermal overload protector (TOP) wired internally
Cable exit	Variable
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1; CE

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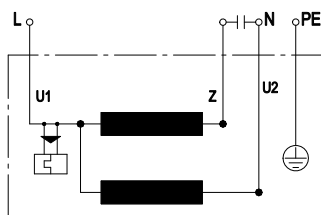
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Product drawing



- | | |
|---|--|
| 1 | Connection line silicone 4G 0.5 mm ² , 4 x brass lead tips crimped |
| 2 | 8x sheet metal nut for thread EN ISO 1478-ST4.8 (screw length min. 14.5mm plus thickness of mounting material) |

Connection screen

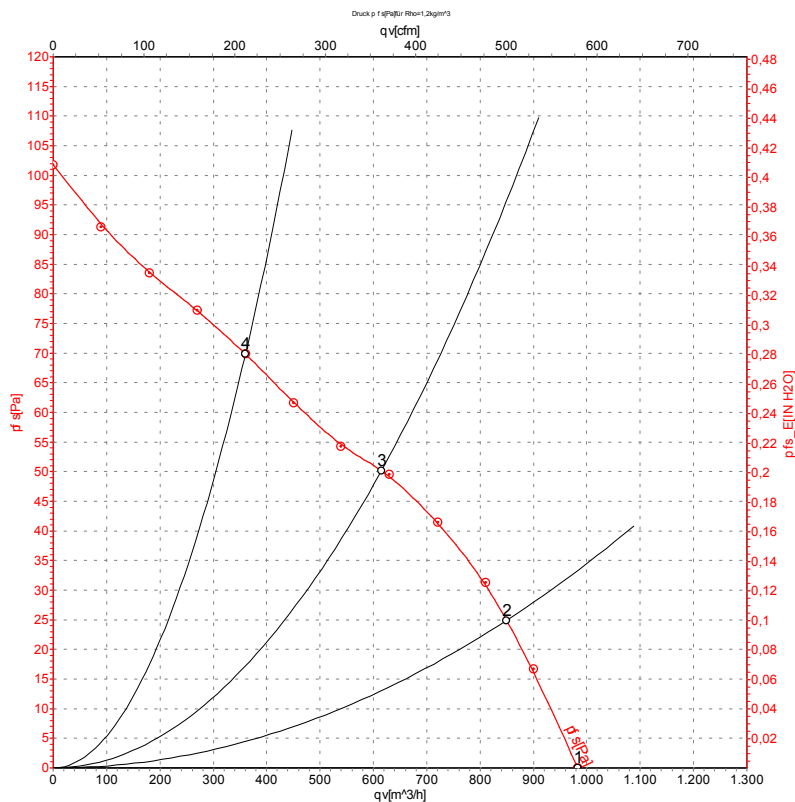


U1	blue	Z	brown	U2	black
PE	green/yellow				

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Charts: Air flow 50 Hz



Measurement: LU-134485

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: L_{wA} measured as per ISO 13347 /
L_{pA} 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

	Stage	U	f	n	P _e	I	L _{wA_{in}}	qv	p _{ts}
		V	Hz	min ⁻¹	W	A	dB(A)	m³/h	Pa
1	5	230	50	1000	78	0.35	59	985	0
2	5	230	50	1100	74	0.32	57	850	25
3	5	230	50	1215	68	0.30	55	615	50
4	5	230	50	1305	62	0.27	54	360	70

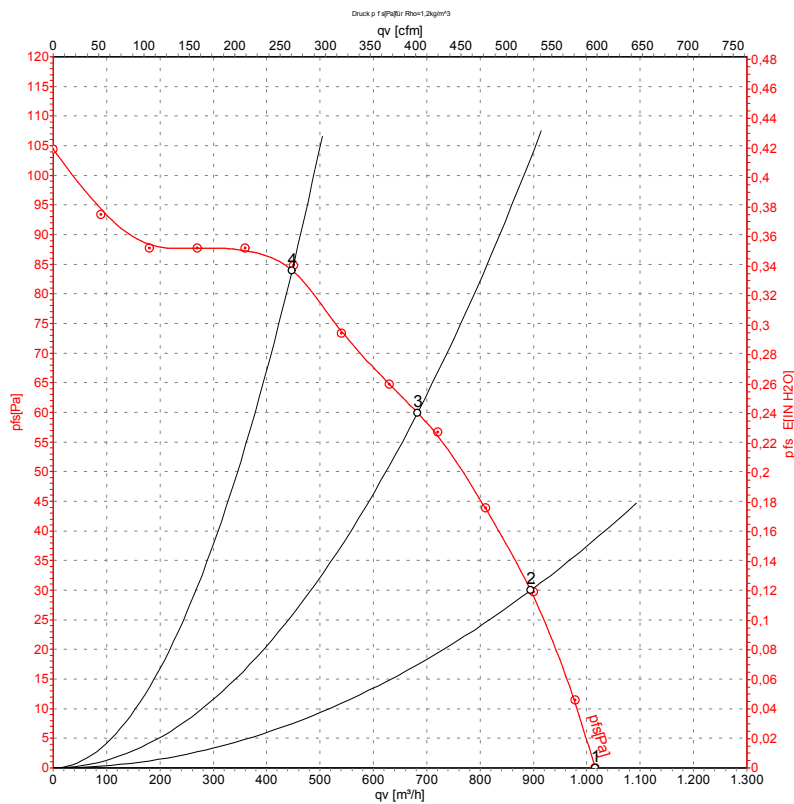
U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · L_{wA_{in}} = Sound power level inlet side · qv = Air flow · p_{ts} = Pressure increase



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Charts: Air flow 60 Hz



Measurement: LU-134501

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: L_{wA} measured as per ISO 13347 /
L_{pA} 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

	Stage	U	f	n	P _e	I	qv	p _{fs}
		V	Hz	min ⁻¹	W	A	m³/h	Pa
1	5	230	60	1050	97	0.44	1015	0
2	5	230	60	1175	93	0.41	895	30
3	5	230	60	1330	89	0.39	685	60
4	5	230	60	1455	85	0.37	450	85

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

