D4E133-AH01-55

AC centrifugal fan

forward curved, dual inlet

with housing (without flange)



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County court Stuttgart · HRA 590344

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Nominal data

Type	**D4E133-AH01-55**	
Motor	**M4E068-BF**	
Phase		1~
Nominal voltage	VAC	230
Frequency	Hz	60
Type of data definition		fa
Valid for approval / standard		CE
Speed	min^{-1}	1240
Power input	W	80
Current draw	A	0.35
Motor capacitor	µF	2
Capacitor voltage	VDB	400
Capacitor standard		P0 (CE)
Min. back pressure	Pa	0
Max. ambient temperature	°C	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

General description	Without flange
Mass	2.3 kg
Size	133 mm
Surface of rotor	Partially cast in aluminium
Material of impeller	Plastic PA6, fibreglass-reinforced
Housing material	Sheet steel, hot-galvanised
Motor suspension	Motor mounted via brackets on one side
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 44; Depending on installation and position
Insulation class	"B"
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
Operation mode	S1
Motor bearing	Ball bearing
Leakage current	< 0.75 mA
Motor protection	Thermal overload protector (TOP) wired internally
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1; CE
Approval	CCC

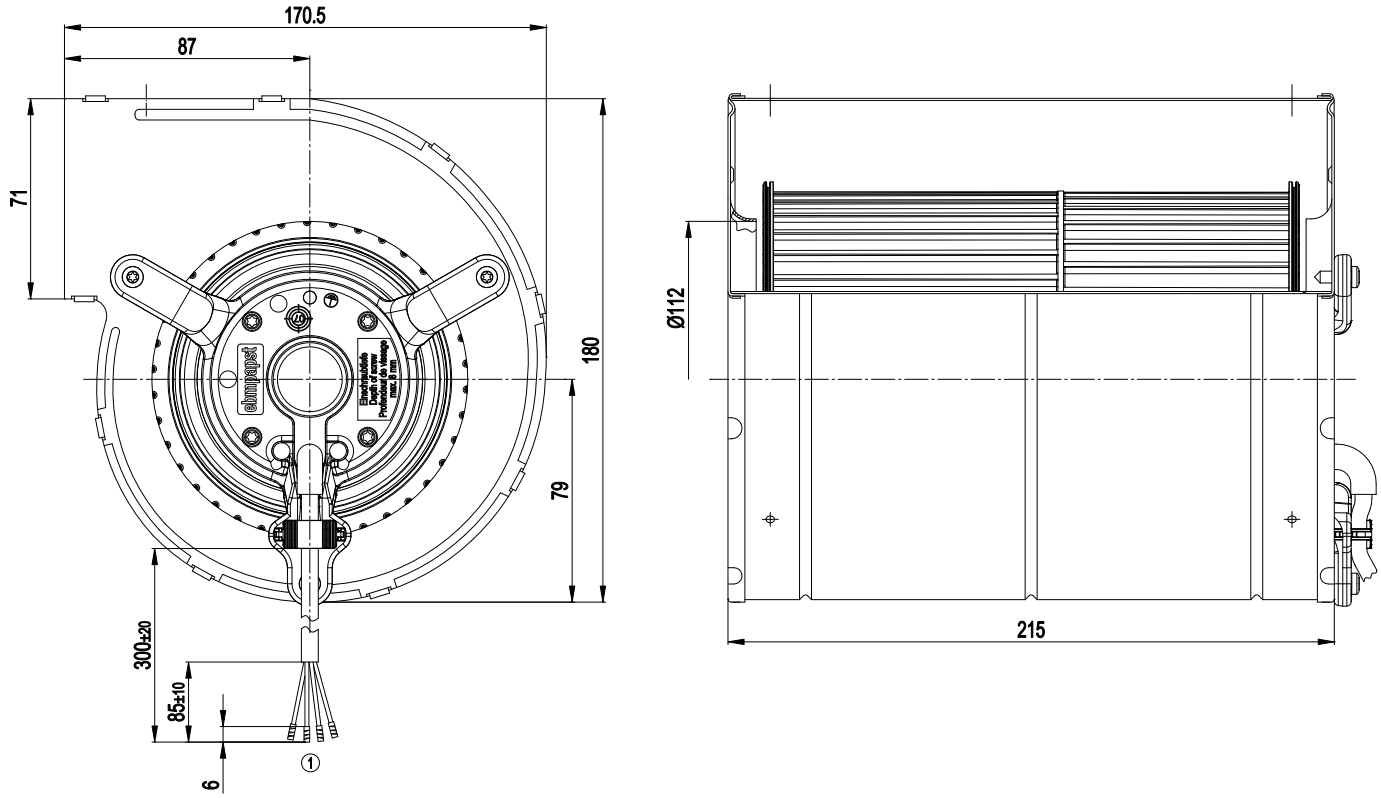
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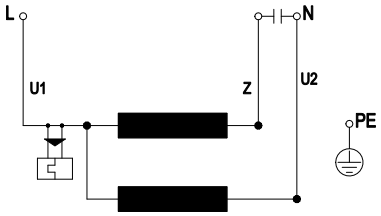
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Product drawing



1	Connection line PVC 4G 0.5 mm², 4x brass lead tips crimped

Connection screen



U1	blue	Z	brown	U2	black
PE	green/yellow				

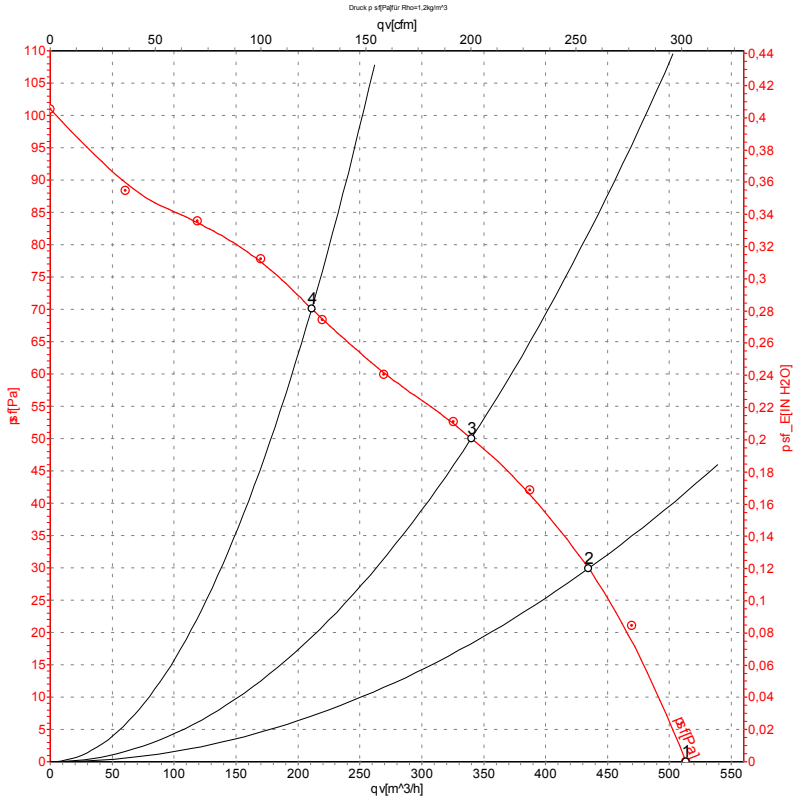
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Charts: Air flow 50 Hz



Measurement: LU-59820

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_{sf}
	V	Hz	min^{-1}	W	A	m^3/h	Pa
1	230	50	1180	70	0.32	515	0
2	230	50	1245	66	0.29	435	30
3	230	50	1310	64	0.28	340	50
4	230	50	1375	63	0.28	210	70

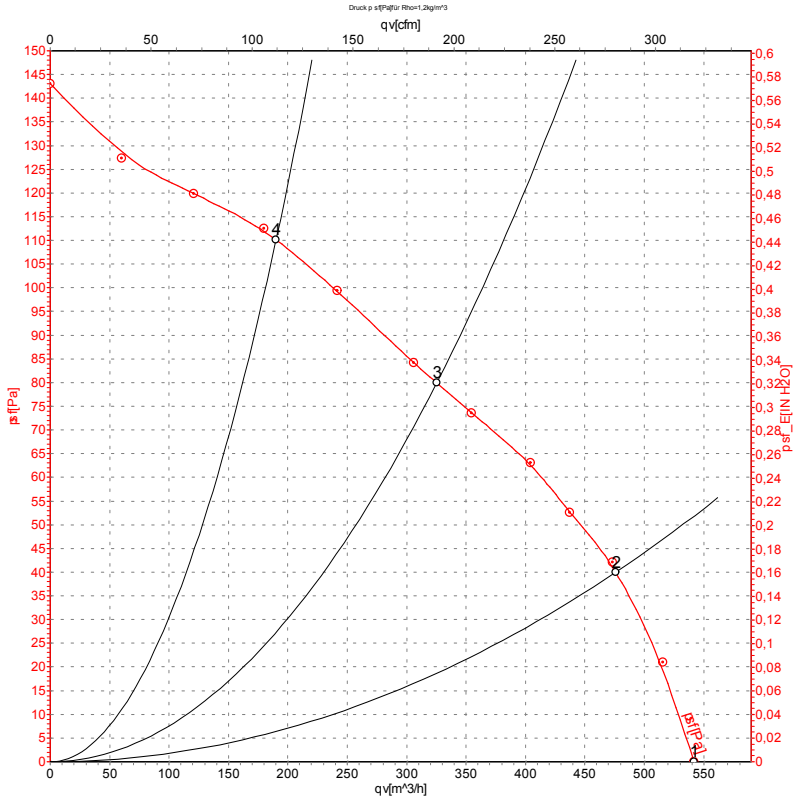
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Charts: Air flow 60 Hz



Measurement: LU-59821

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_{sf}
	V	Hz	min^{-1}	W	A	m^3/h	Pa
1	230	60	1240	80	0.35	540	0
2	230	60	1385	77	0.34	475	40
3	230	60	1555	72	0.31	325	80
4	230	60	1650	69	0.30	190	110

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