D4E133-AH35-61

AC centrifugal fan

forward curved, dual inlet

with housing (without flange)

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Nominal data

Type	**D4E133-AH35-61**
Motor	**M4E068-BF**

Phase		1~	1~	1~	1~
Nominal voltage	VAC	115	115	120	127
Frequency	Hz	50	60	60	60
Type of data definition		fa	fa	fa	fa
Valid for approval / standard		CE	CE	UL 2111	CE
Speed	min^{-1}	1100	1150	1150	1250
Power input	W	53	60	65	72
Current draw	A	0.48	0.54	0.56	0.58
Motor capacitor	µF	6	6	6	6
Capacitor voltage	VDB	250	250	250	250
Capacitor standard				UL	UL
Min. back pressure	Pa	0	0	0	0
Min. ambient temperature	°C	-25	-25	-25	-25
Max. ambient temperature	°C	50	55	55	50
Starting current	A	0.5	0.6	0.6	0.6

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	2.3 kg
Size	133 mm
Surface of rotor	Uncoated
Material of impeller	PA plastic
Housing material	Sheet steel, 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
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)	< 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

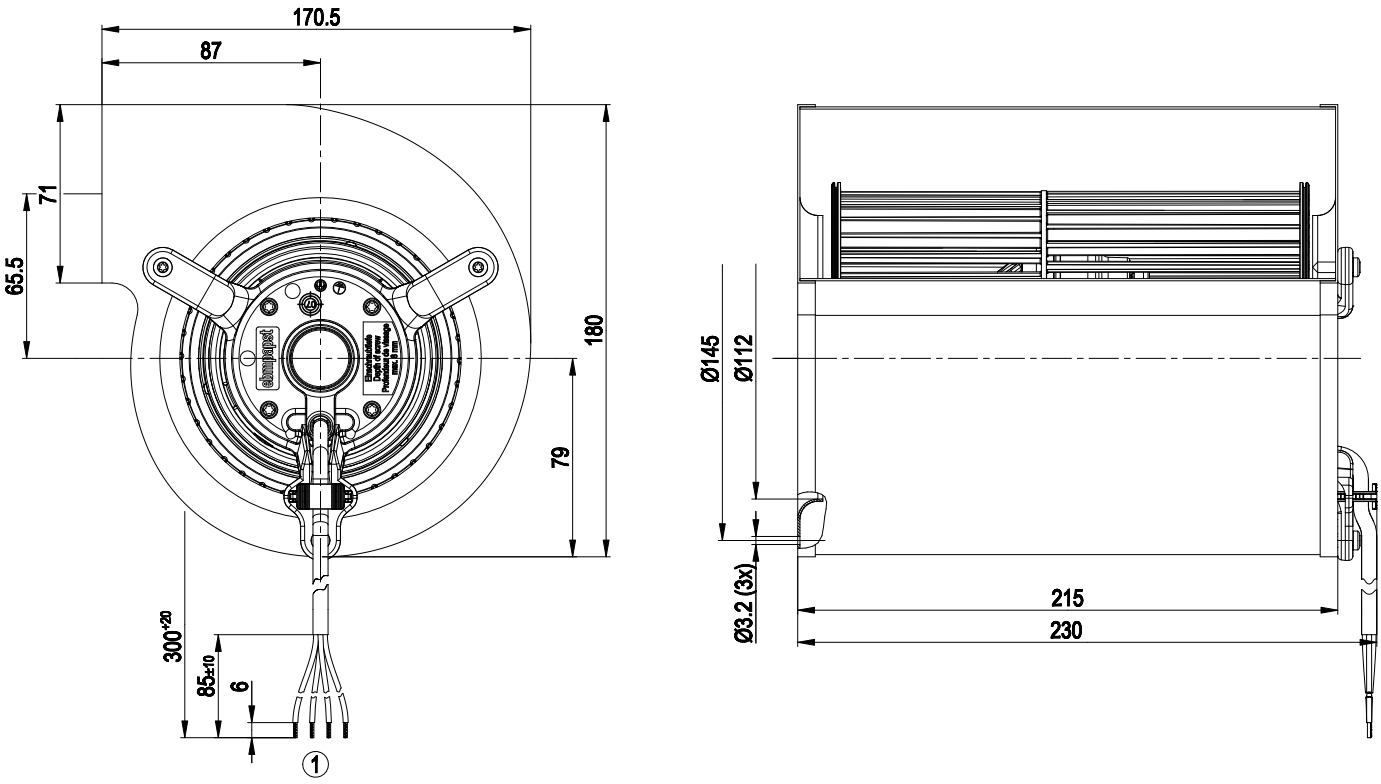
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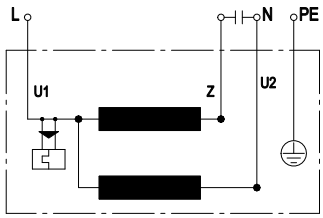
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Product drawing



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

Connection screen



U1	blue	Z	brown	U2	black
PE	green/yellow				

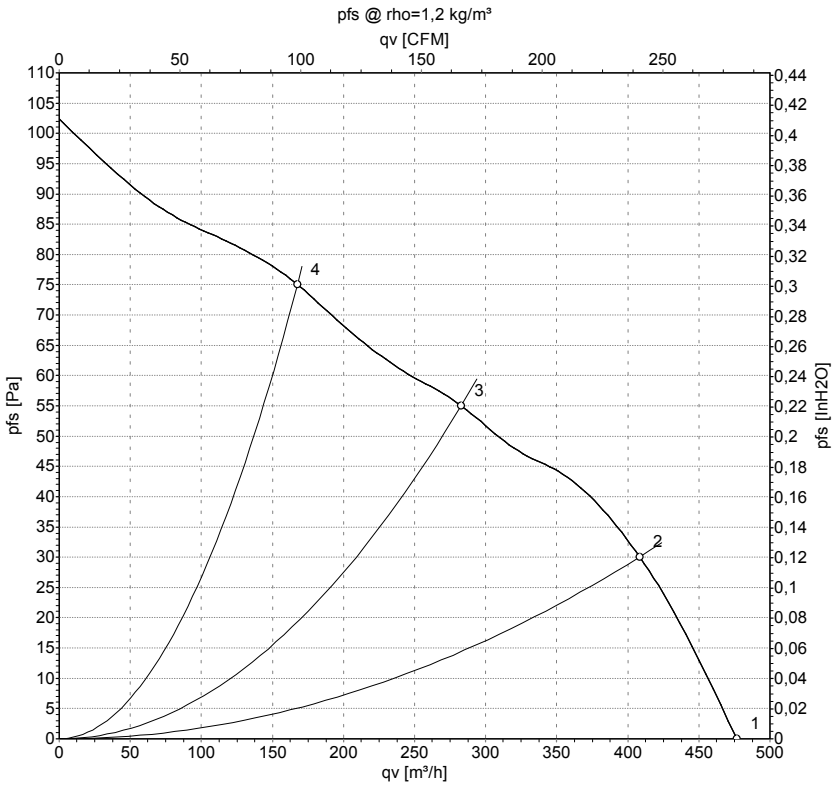
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Charts: Air flow 50 Hz



Measurement: LU-139869

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	1100	53	0.48	475	0
2	115	50	1175	50	0.44	410	30
3	115	50	1290	46	0.42	285	55
4	115	50	1360	44	0.41	170	75

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

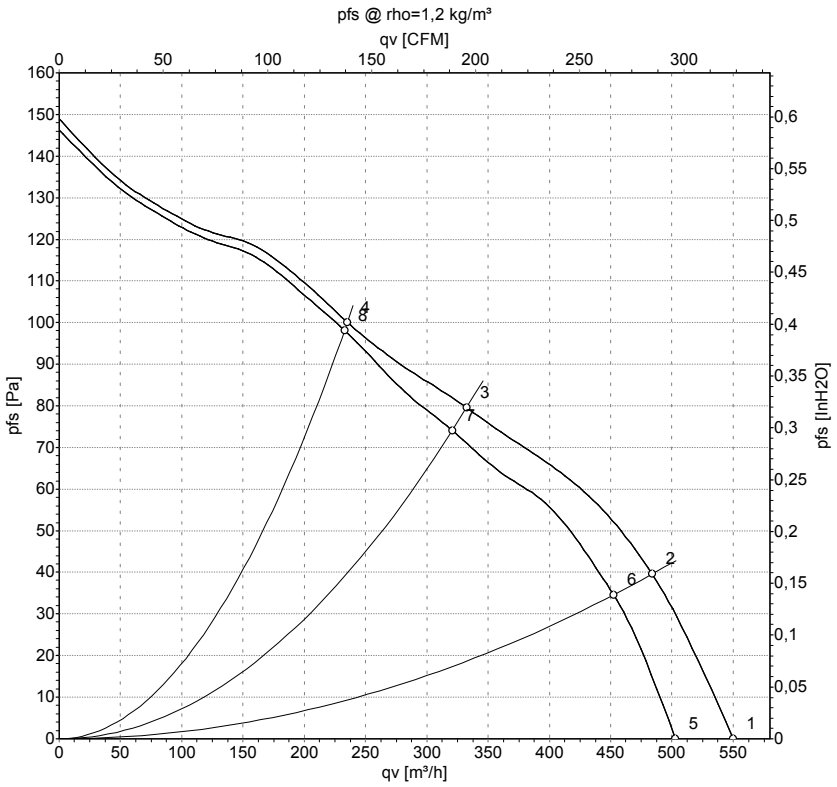
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Charts: Air flow 60 Hz



Measurement: LU-139866
Measurement: LU-139868

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	127	60	1250	72	0.58	550	0
2	127	60	1365	66	0.52	485	40
3	127	60	1535	59	0.47	330	80
4	127	60	1600	56	0.44	235	100
5	115	60	1150	60	0.54	505	0
6	115	60	1275	57	0.49	450	35
7	115	60	1490	50	0.43	320	74
8	115	60	1585	46	0.40	235	98

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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