D2E133-AM31-05

AC centrifugal fan

forward curved

with housing (without flange)

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Nominal data

Type	**D2E133-AM31-05**
Motor	**M2E068-DF**

Phase		1~	1~
Nominal voltage	[V]	400	400
Frequency	[Hz]	50	60
Type of data definition		rfa	ml
Valid for approval / standard		-	-
Speed	[min^{-1}]	1500	1850
Power input	[W]	180	185
Current draw	[A]	0.46	0.47
Motor capacitor	[µF]	1.5	1.5
Capacitor voltage	[VDB]	700	700
Min. back pressure	[Pa]	0	100
Max. ambient temperature	[°C]	35	35

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

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Technical features

Leackage current	< 0.75 mA
Size	133 mm
Operation mode	S1
Direction of rotation	Clockwise, seen on rotor
Mounting position	Any
Humidity class	F1-1
Insulation class	"B"
Cable exit	Axial
Condensate discharge holes	None
Motor bearing	Ball bearing
Mass	3.5 kg
Housing material	Sheet steel, hot-galvanised
Material of impeller	Sheet steel, hot-galvanised
Motor suspension	Motor mounted via brackets on one side
Type of protection	IP 44
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Approval	CCC

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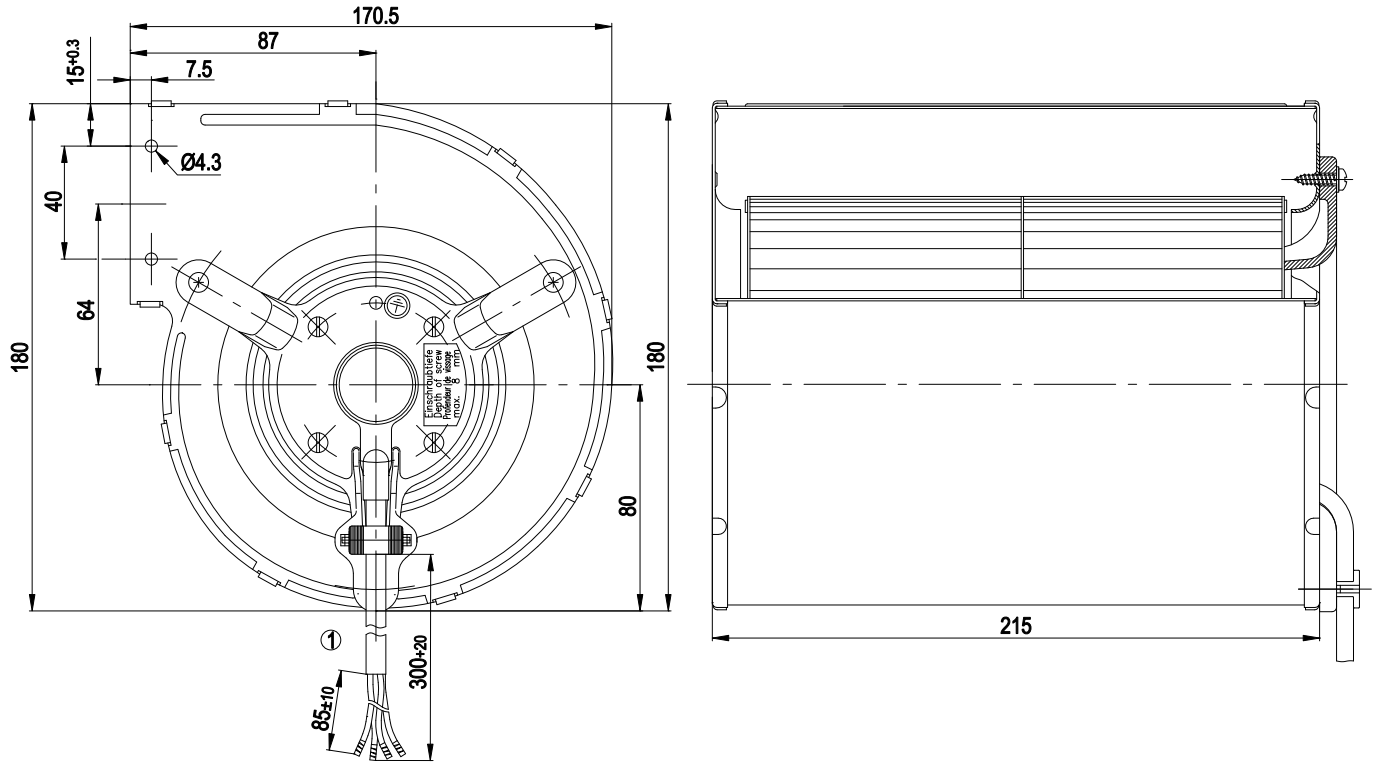
Product drawing



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

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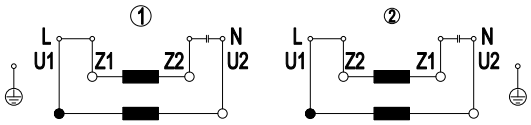
Connection screen



Single-phase AC motor with operating capacitor

1	Clockwise operation
2	Anti-clockwise operation
U1	black
U2	grey
Z1	blue
Z2	brown

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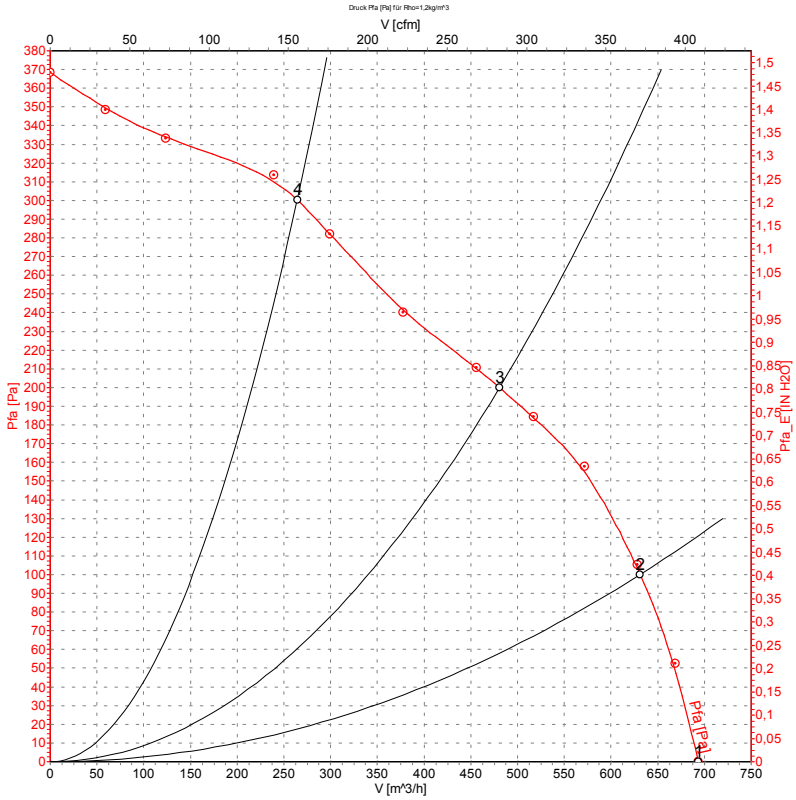
Charts: Air flow 50 Hz



Measurement: LU-60404

Measured values

	U	f	n	P_1	I	$\dot{V}$	p_{fa}
	[V]	[Hz]	[min^{-1}]	[W]	[A]	[m^3/h]	[Pa]
1	400	50	1500	180	0.46	695	0
2	400	50	1900	161	0.40	630	100
3	400	50	2305	134	0.34	480	200
4	400	50	2665	100	0.26	265	300

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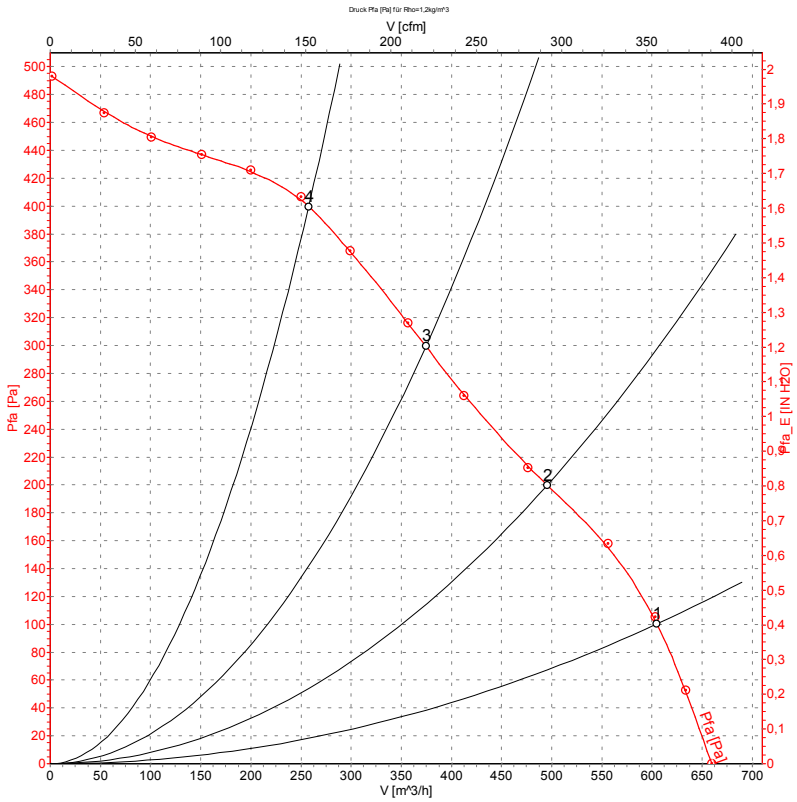
Charts: Air flow 60 Hz



Measurement: LU-60405

Measured values

	U	f	n	P_1	I	$\dot{V}$	p_{fa}
	[V]	[Hz]	[min^{-1}]	[W]	[A]	[m^3/h]	[Pa]
1	400	60	1850	185	0.47	605	100
2	400	60	2310	174	0.44	495	200
3	400	60	2740	157	0.41	375	300
4	400	60	3020	138	0.37	260	400

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