R2E160-AY47-01

AC centrifugal fan

forward curved, single inlet

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Nominal data

Type	**R2E160-AY47-01**
Motor	**M2E068-EC**

Phase		1~	1~
Nominal voltage	[V]	230	230
Frequency	[Hz]	50	60
Type of data definition		rfa	ml
Valid for approval / standard		CE	CE
Speed	[min^{-1}]	2100	2100
Power input	[W]	240	280
Current draw	[A]	1.05	1.23
Motor capacitor	[µF]	6	6
Capacitor voltage	[VDB]	400	400
Min. back pressure	[Pa]	0	50
Max. ambient temperature	[°C]	50	30

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	160 mm
Operation mode	S1
Direction of rotation	Clockwise, seen on rotor
Mounting position	Any
Humidity class	F0
Insulation class	"B"
Cable exit	Variable
Condensate discharge holes	None
Motor bearing	Ball bearing
Mass	2.6 kg
Material of impeller	Sendzimir galvanized sheet steel
Motor protection	Thermal overload protector (TOP) wired internally
Product conforming to standard	CE; EN 60335-1
Surface of rotor	Partially cast in aluminium
Type of protection	IP 44
Protection class	I
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Approval	CCC

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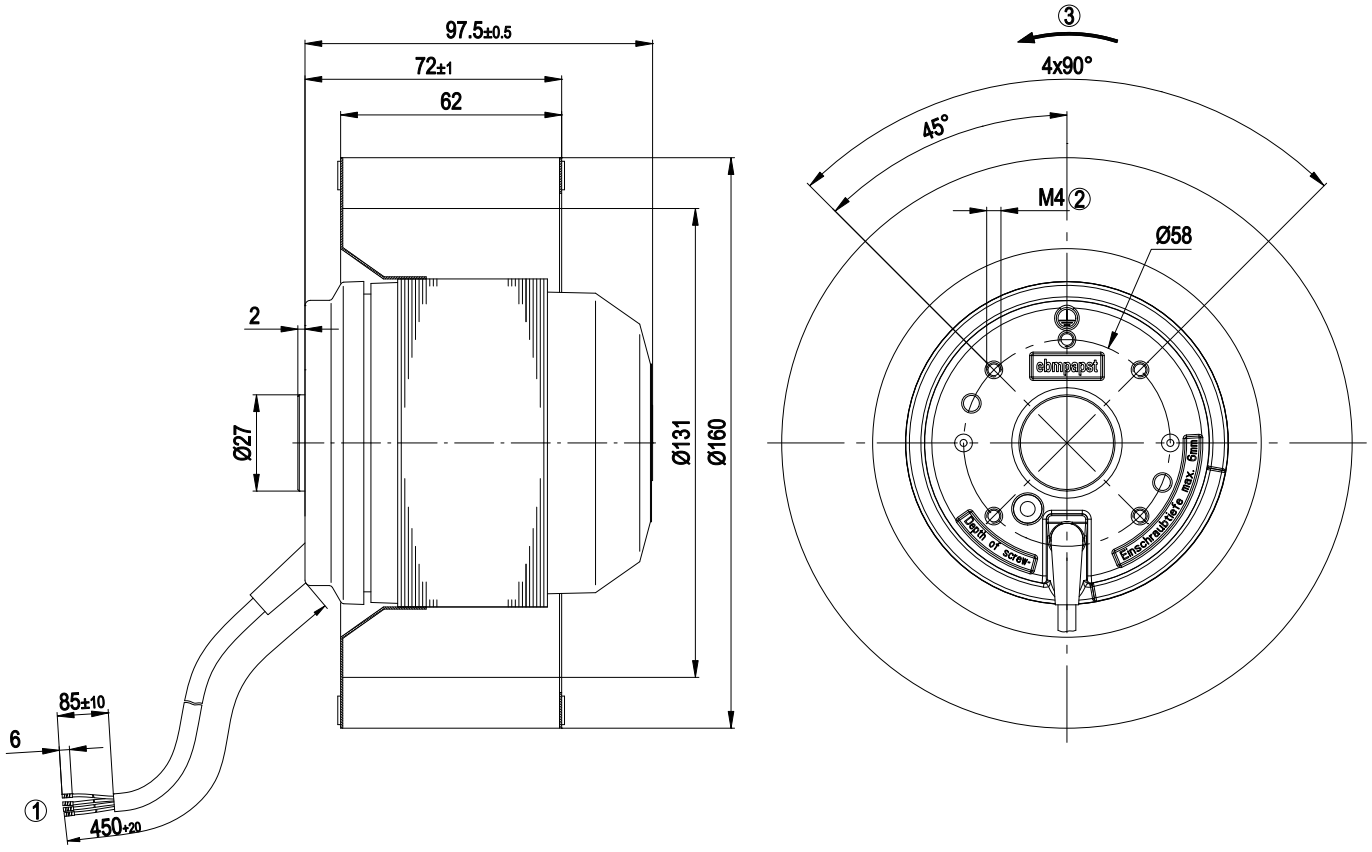
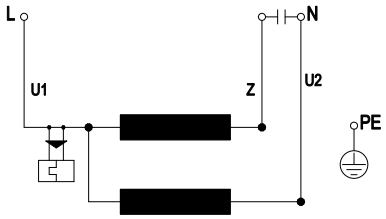
Product drawing



1	Connection line PVC, 4x brass lead tips crimped
2	Screw depth max. 5 mm
3	Direction of rotation clockwise, seen on rotor

Connection screen



U1	blue	Z	brown	U2	black
PE	green/yellow				

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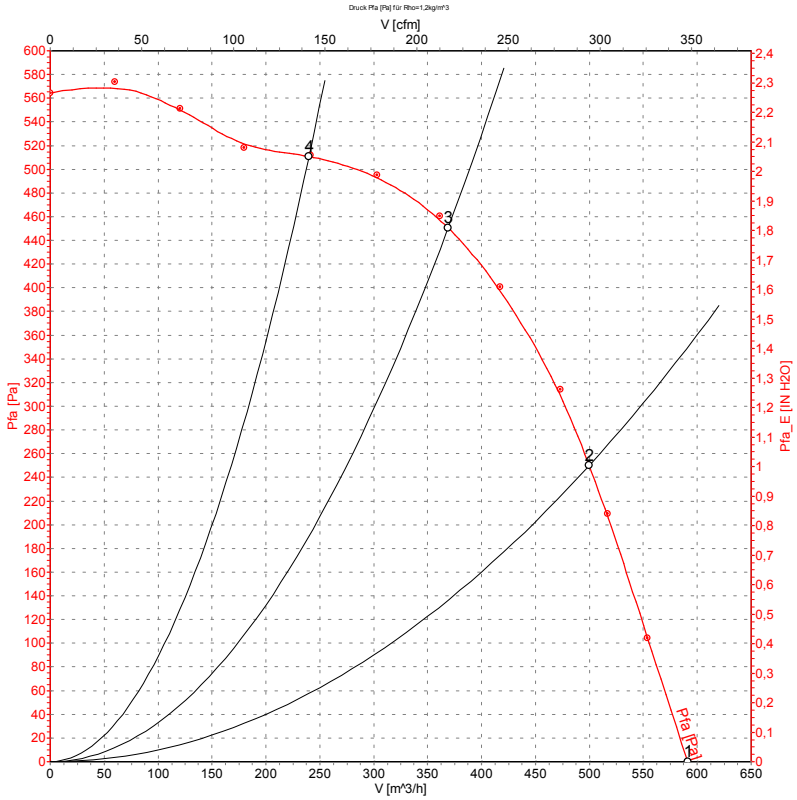
Charts: Air flow 50 Hz



Measurement: LU-104987

Measured values

	U	f	n	P_1	I	$\dot{V}$	p_{fa}
	[V]	[Hz]	[min^{-1}]	[W]	[A]	[m^3/h]	[Pa]
1	230	50	2130	240	1.05	590	0
2	230	50	2375	200	0.87	500	250
3	230	50	2585	164	0.71	370	452
4	230	50	2715	137	0.59	240	512

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AC centrifugal fan

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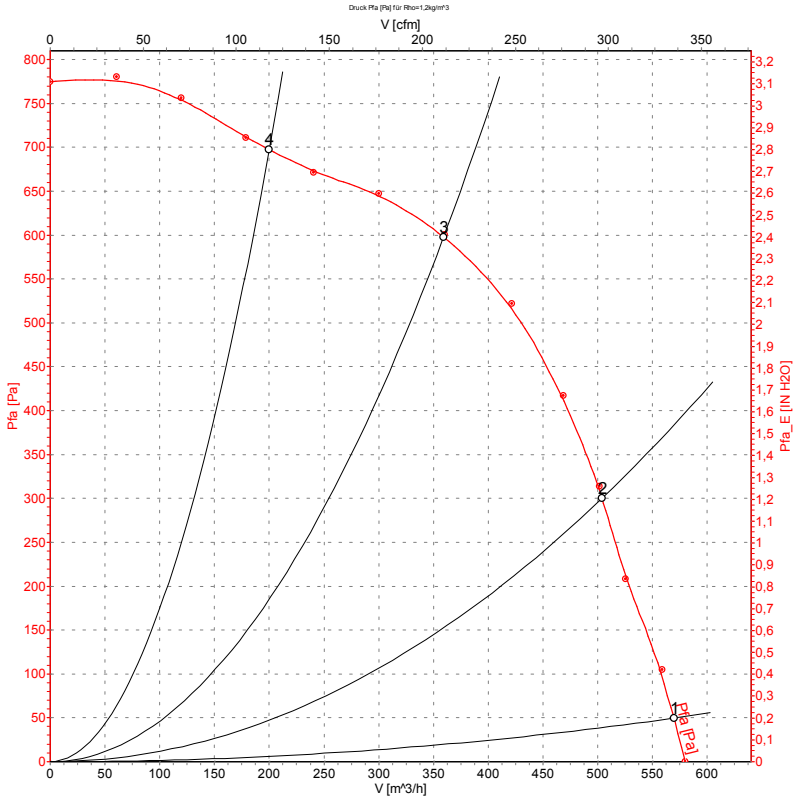
Charts: Air flow 60 Hz



Measurement: LU-104989

Measured values

	U	f	n	P_1	I	$\dot{V}$	p_{fa}
	[V]	[Hz]	[min^{-1}]	[W]	[A]	[m^3/h]	[Pa]
1	230	60	2130	280	1.23	570	50
2	230	60	2500	258	1.12	505	303
3	230	60	2940	210	0.94	360	601
4	230	60	3180	172	0.80	200	697

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