

AC centrifugal fan

forward curved, single inlet

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Nominal data

Type	R4E160-AB01-01		
Motor	M4E068-CF		
Phase		1~	1~
Nominal voltage	[V]	230	230
Frequency	[Hz]	50	60
Type of data definition		rfa	rfa
Valid for approval / standard		CE	CE
Speed	[min ⁻¹]	1300	1400
Power input	[W]	67	90
Current draw	[A]	0.3	0.4
Motor capacitor	[µF]	2	2
Capacitor voltage	[VDB]	450	450
Capacitor standard		P0 (CE)	P0 (CE)
Min. back pressure	[Pa]	0	0
Max. ambient temperature	[°C]	65	60
Air flow	[m ³ /h]	410	445
Back pressure	[Pa]	0	0
Sound pressure level	[dB(A)]	65	67

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

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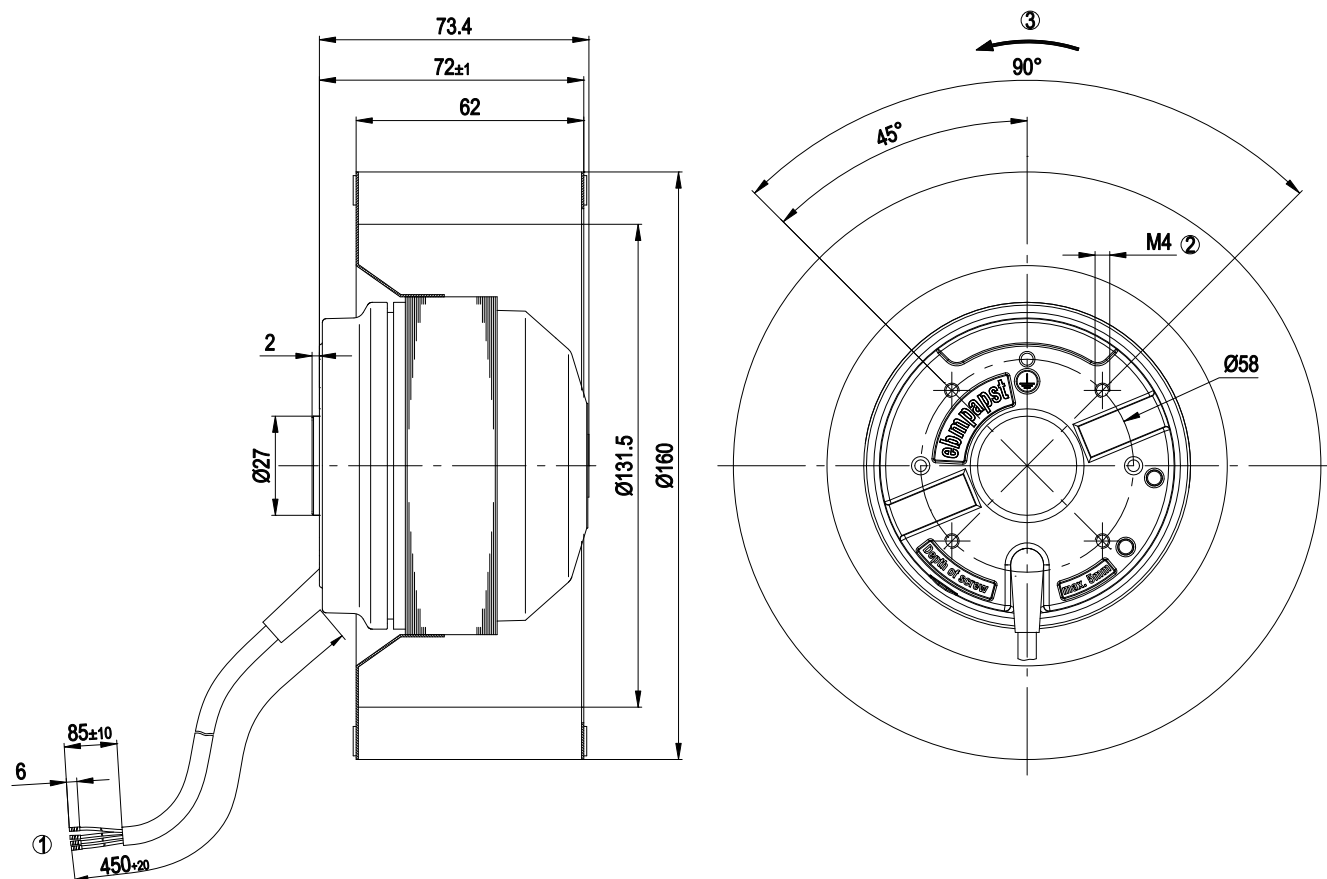
Technical features

Leakage current	< 0,75 mA
Size	160 mm
Operation mode	S1
Direction of rotation	Clockwise, seen on rotor
Mounting position	Any
Insulation class	"B"
Cable exit	Variable
Condensate discharge holes	None
Bearing-motor	Ball bearing
Mass	1.7 kg
Material of impeller	Sheet steel, galvanised
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 - depending on position
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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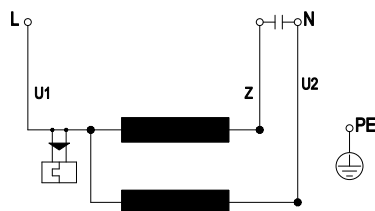
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Product drawing



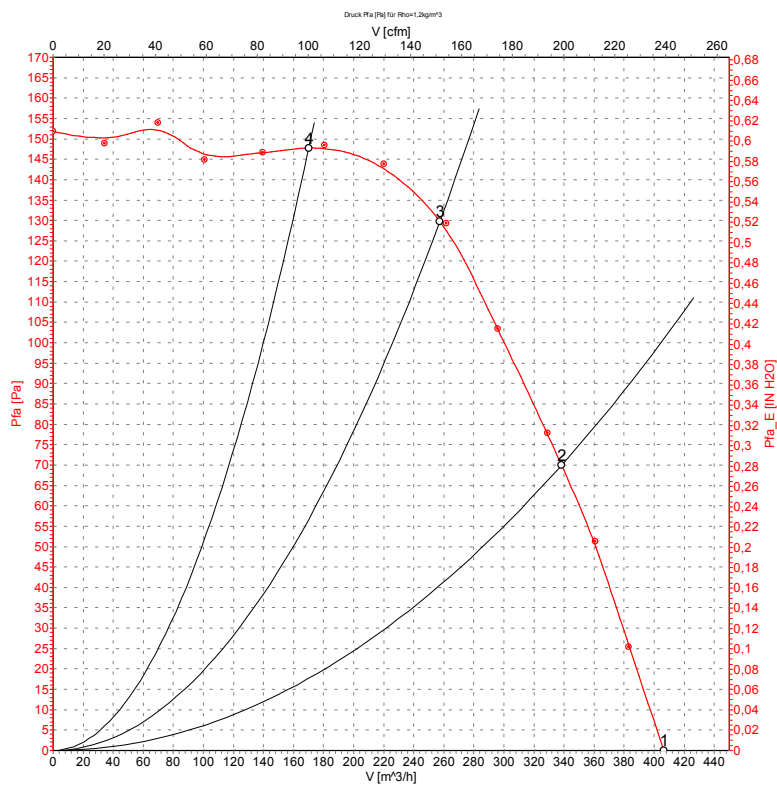
- | | |
|---|---|
| 1 | Connection line PVC, 4x brass lead tips crimped |
| 2 | Screw depth max. 5 mm |
| 3 | Direction of rotation clockwise, seen on rotor |

Connection screen



U1	blue	Z	brown	U2	black
PE	green/yellow				

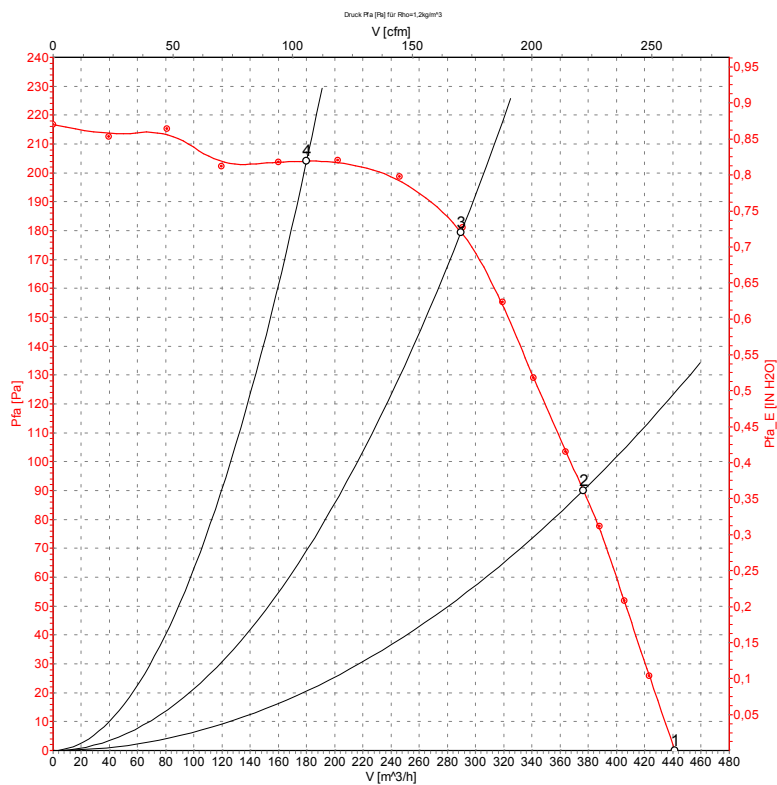
Charts: Air flow 50 Hz



Measured values

	U	f	n	P_1	I	$\dot{V}$	P_{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m³/h]	[Pa]
1	230	50	1300	66	0.30	410	0
2	230	50	1345	60	0.26	340	70
3	230	50	1385	56	0.24	255	131
4	230	50	1420	51	0.23	170	148

Charts: Air flow 60 Hz



Measured values

	U	f	n	P_1	I	$\dot{V}$	P_{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m³/h]	[Pa]
1	230	60	1400	90	0.40	445	0
2	230	60	1510	82	0.36	375	90
3	230	60	1595	76	0.34	290	182
4	230	60	1660	70	0.31	180	204