

AC centrifugal fan

forward curved, dual inlet

with housing (flange)

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Nominal data

Type	D2E097-BE11-77	
Motor	M2E042-CA	
Phase		1~
Nominal voltage	VAC	115
Frequency	Hz	60
Type of data definition		fa
Valid for approval / standard		UL 2111
Speed	min ⁻¹	1100
Power input	W	50
Current draw	A	0.43
Motor capacitor	µF	6
Capacitor voltage	VDB	220
Capacitor standard		UL
Max. ambient temperature	°C	-

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

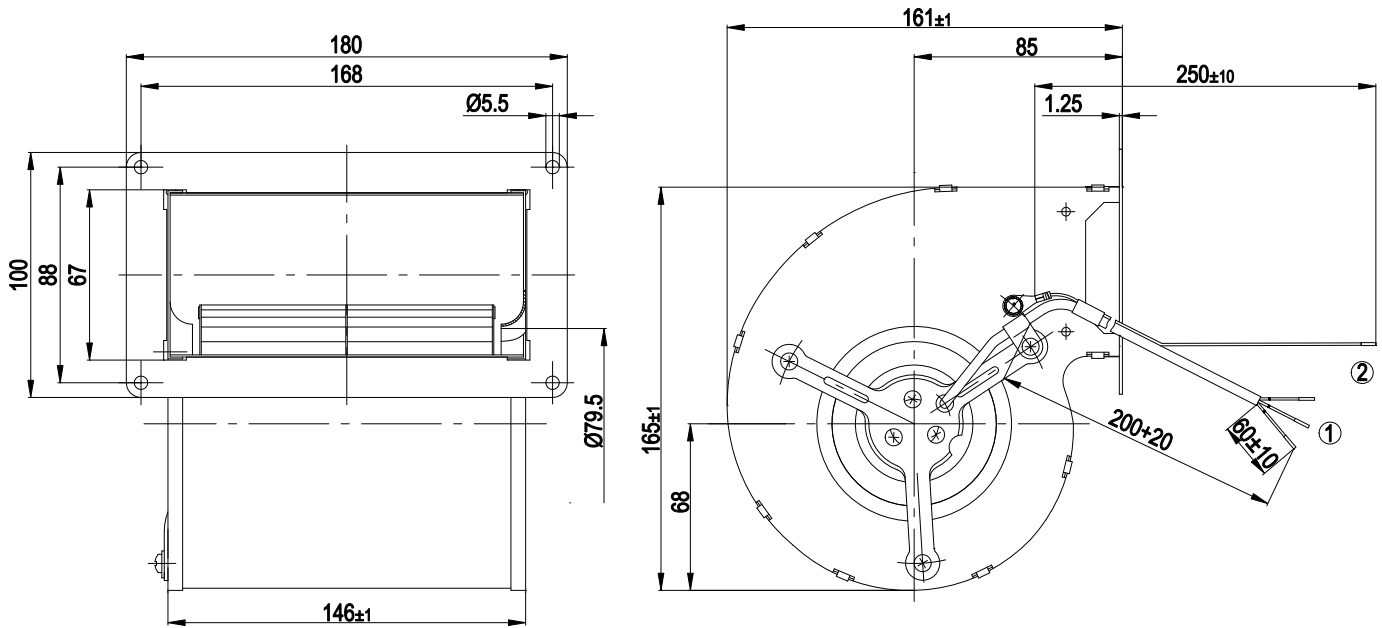
Mass	1.48 kg
Size	97 mm
Surface of rotor	Partially cast in aluminium
Material of impeller	Sheet steel, hot-dip galvanised
Housing material	Sheet steel, hot-dip galvanised
Motor suspension	Motor mounted via brackets on one side
Direction of rotation	Counter-clockwise, seen on rotor
Type of protection	IP 22
Insulation class	"B"
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	UL 507; CSA C22.2 Nr.113



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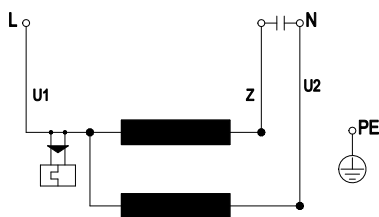
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Product drawing



- | | |
|---|---|
| 1 | Connection line PVC, 3x brass lead tips crimped |
| 2 | Lead wire AWG 20, 1 x brass lead tips crimped |

Connection screen



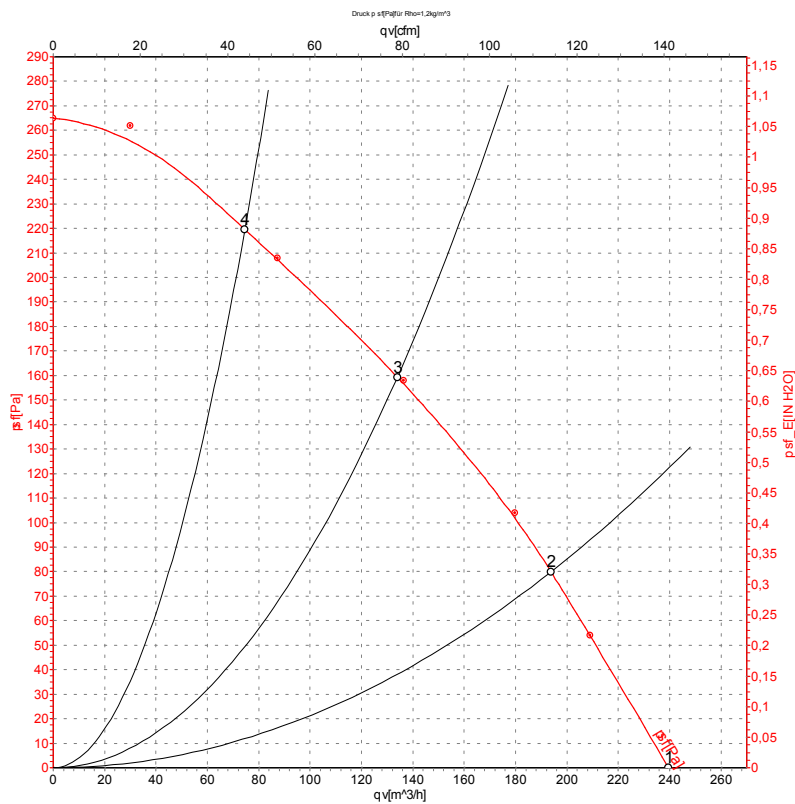
U1	blue	Z	brown	U2	black
PE	green/yellow				



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Charts: Air flow 60 Hz



Measurement: LU-4344

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: L_{WA} measured as per ISO 13347 /
L_{pA} 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	m³/h	Pa
1	115	60	1100	50	0.43	240	0
2	115	60	1725	43	0.41	195	80
3	115	60	2330	39	0.37	135	160
4	115	60	2675	37	0.34	75	220

