W2E142-CC15-16

AC axial compact fan

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Nominal data

Type	**W2E142-CC15-16**
Motor	**M2E052-BA**

Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz	50	60
Type of data definition		fa	fa
Valid for approval / standard		CE	CE
Speed	min^{-1}	2450	2700
Power input	W	14	15
Current draw	A	0.06	0.07
Motor capacitor	µF	0.47	0.47
Capacitor voltage	VDB	400	400
Capacitor standard		P0 (CE)	P0 (CE)
Max. ambient temperature	°C	80	80

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

Technical features

Mass	0.8 kg
Size	142 mm
Surface of rotor	Coated in black
Material of blades	Sheet steel, coated in black
Material of wall ring	Die-cast aluminium, coated in black
Number of blades	7
Direction of air flow	"V"
Direction of rotation	Counter-clockwise, seen on rotor
Type of protection	IP 22; Depending on installation and position
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
Electrical leads	With plug
Motor protection	Thermal overload protector (TOP) wired internally
Protection class	I (if earth wire is connected by customer)
Product conforming to standard	CE
Approval	UL 507; CSA C22.2 Nr.113

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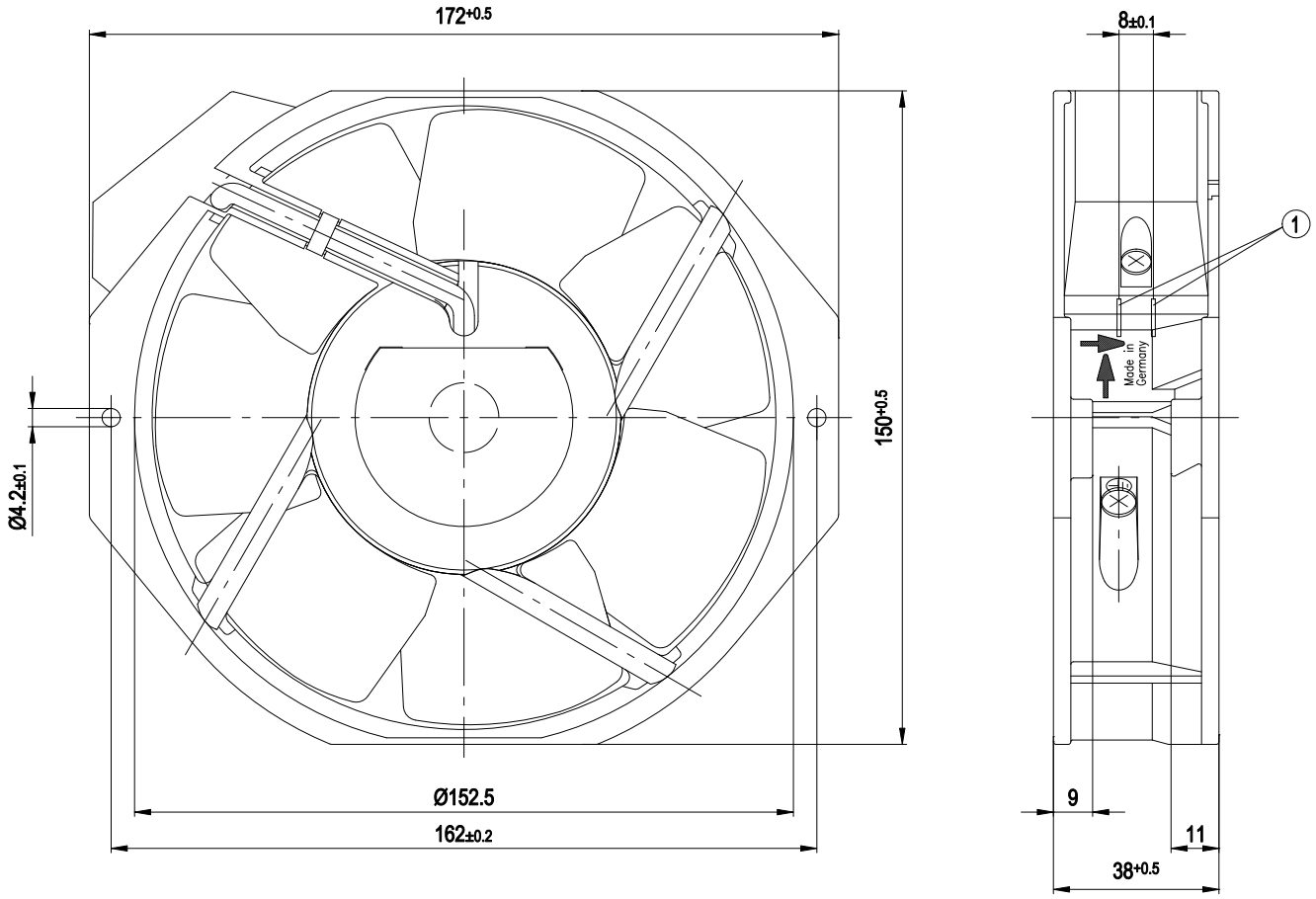
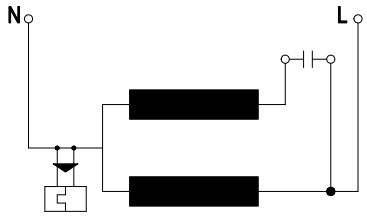
Product drawing



1	2 x flat plugs 2.8 x 0.5 mm

Connection screen



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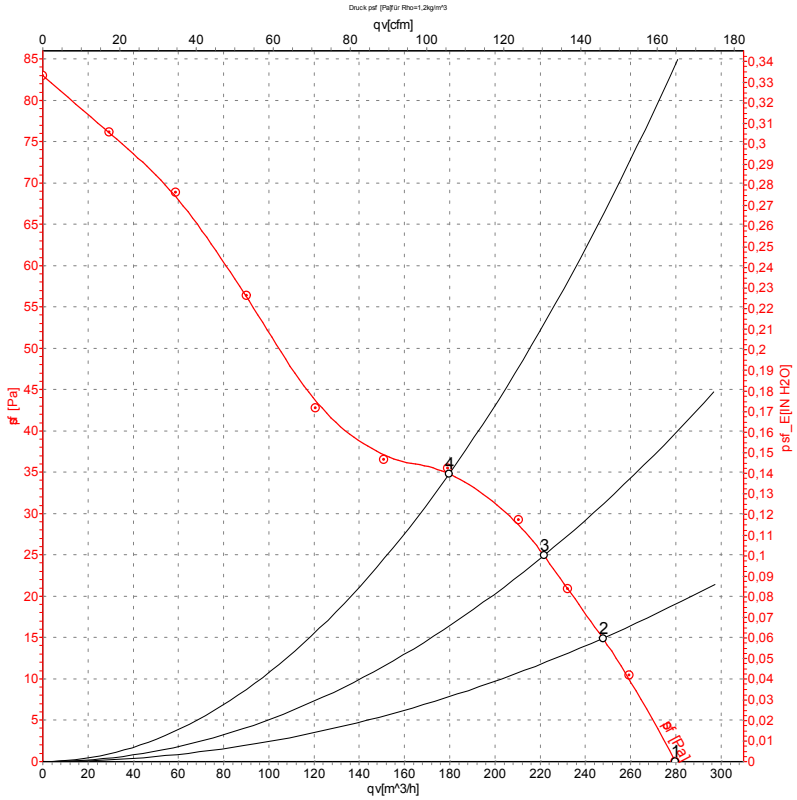
AC axial compact fan

Charts: Air flow 50 Hz



Measurement: LU-64119

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_{sf}
	V	Hz	min^{-1}	W	A	m^3/h	Pa
1	230	50	2450	14	0.06	280	0
2	230	50	2395	14	0.06	250	15
3	230	50	2330	14	0.06	220	25
4	230	50	2270	14	0.06	180	35

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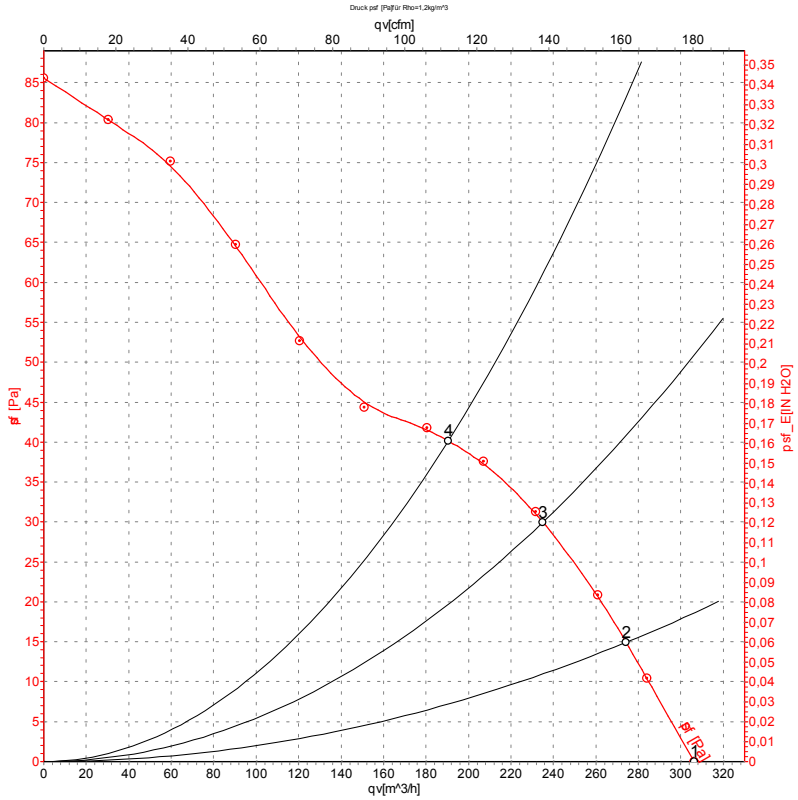
AC axial compact fan

Charts: Air flow 60 Hz



Measurement: LU-64120

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_{sf}
	V	Hz	min^{-1}	W	A	m^3/h	Pa
1	230	60	2700	15	0.07	305	0
2	230	60	2620	15	0.07	275	15
3	230	60	2515	15	0.07	235	30
4	230	60	2450	15	0.07	190	40

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