D4E240-BA05-06

AC centrifugal fan

forward curved, dual inlet

with housing (flange)

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Nominal data

Type	**D4E240-BA05-06**
Motor	**M4E094-IF**

Phase		1~	1~
Nominal voltage	VAC	115	115
Frequency	Hz	50	60
Type of data definition		fa	ml
Valid for approval / standard		CE	CE
Speed	min^{-1}	1280	1380
Power input	W	1010	1300
Current draw	A	8.81	11.4
Motor capacitor	µF	100	100
Capacitor voltage	VDB	250	250
Capacitor standard		P0 (CE)	P0 (CE)
Min. back pressure	Pa	0	100
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	80	45

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	14.8 kg
Size	240 mm
Material of impeller	Sheet steel, galvanised
Housing material	Sheet steel, galvanised
Motor suspension	Motor mounted vibration-free on both sides
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 00
Insulation class	"F"
Humidity class	F0
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
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)	<= 3.5 mA
Motor protection	Thermal overload protector (TOP) brought out
Cable exit	Axial
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60034-1 (2004); CE
Approval	UL 1004-1; CSA C22.2 Nr.100

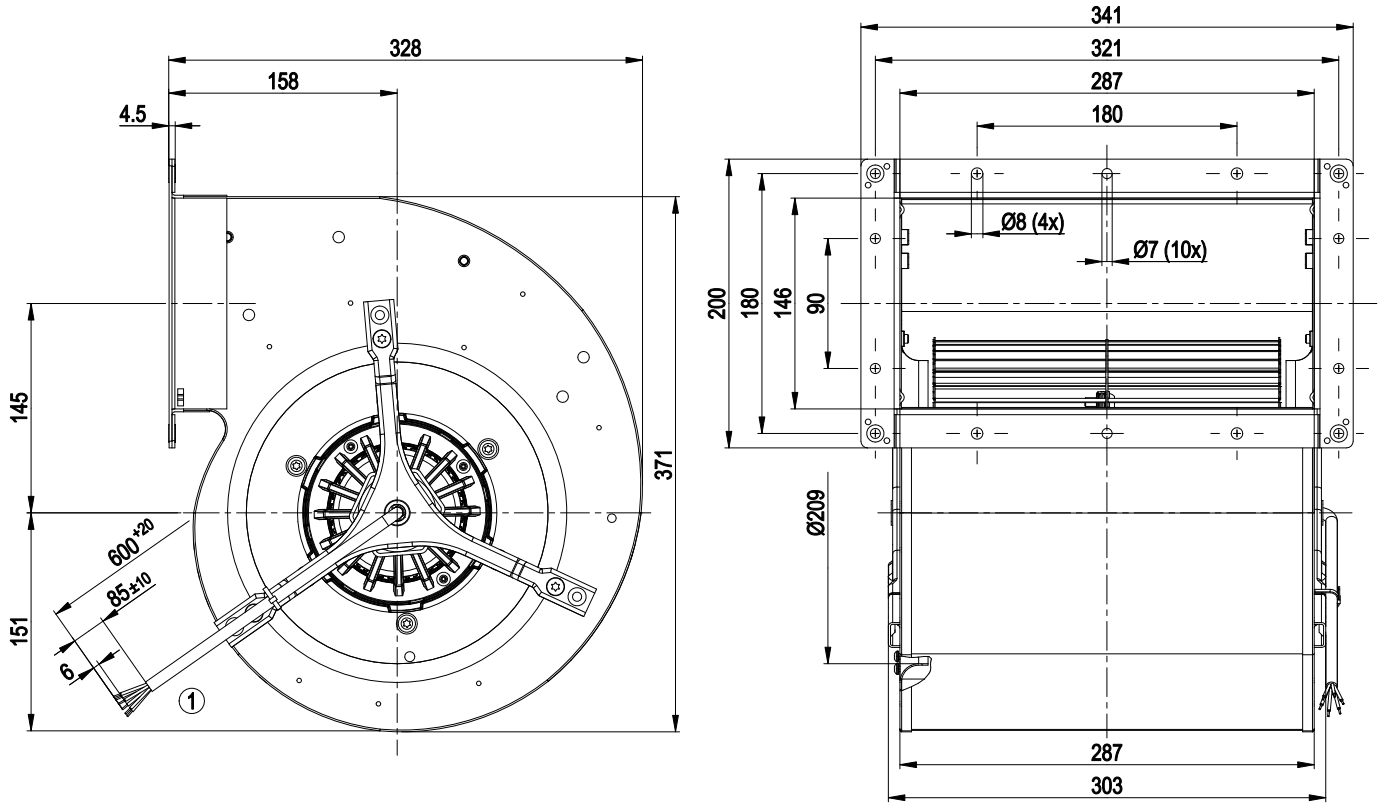
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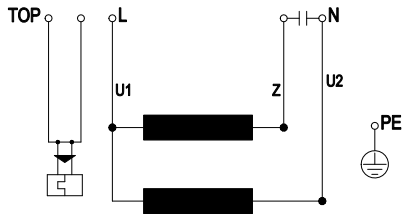
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Product drawing



1	Connection line PFA AWG18, 6x brass lead tips crimped

Connection screen



TOP	2 x grey	U1	blue	Z	brown
U2	black	PE	green / yellow		

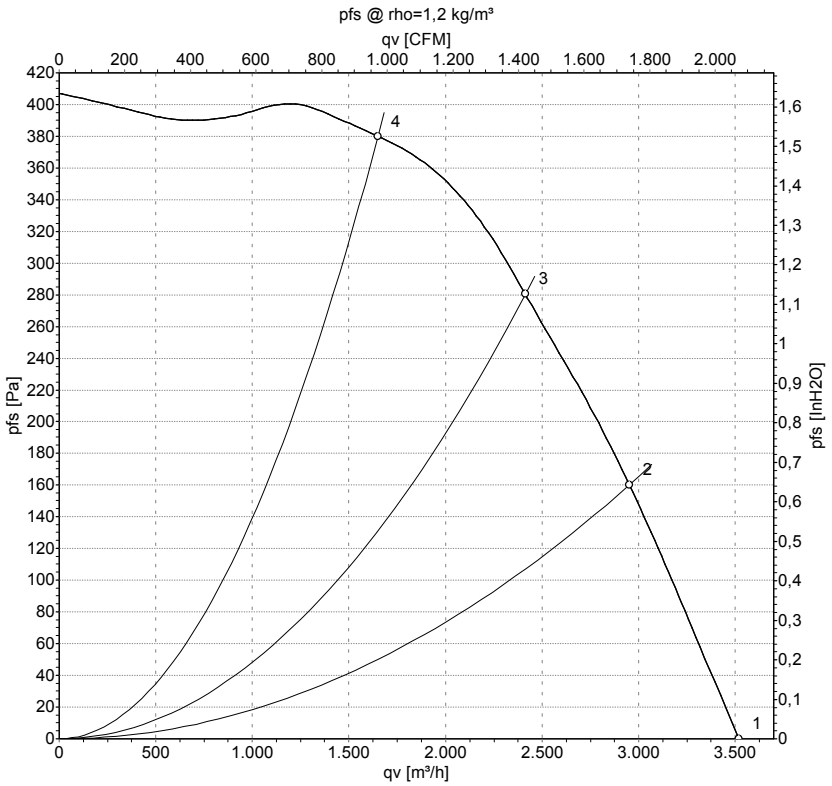
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Charts: Air flow 50 Hz



Measurement: LU-78025

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_{fs}
	V	Hz	min^{-1}	W	A	m^3/h	Pa
1	115	50	1280	1010	8.81	3520	0
2	115	50	1350	873	7.66	2955	160
3	115	50	1380	780	6.94	2415	280
4	115	50	1415	663	6.01	1650	380

U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · qv = Air flow · p_{fs} = Pressure increase

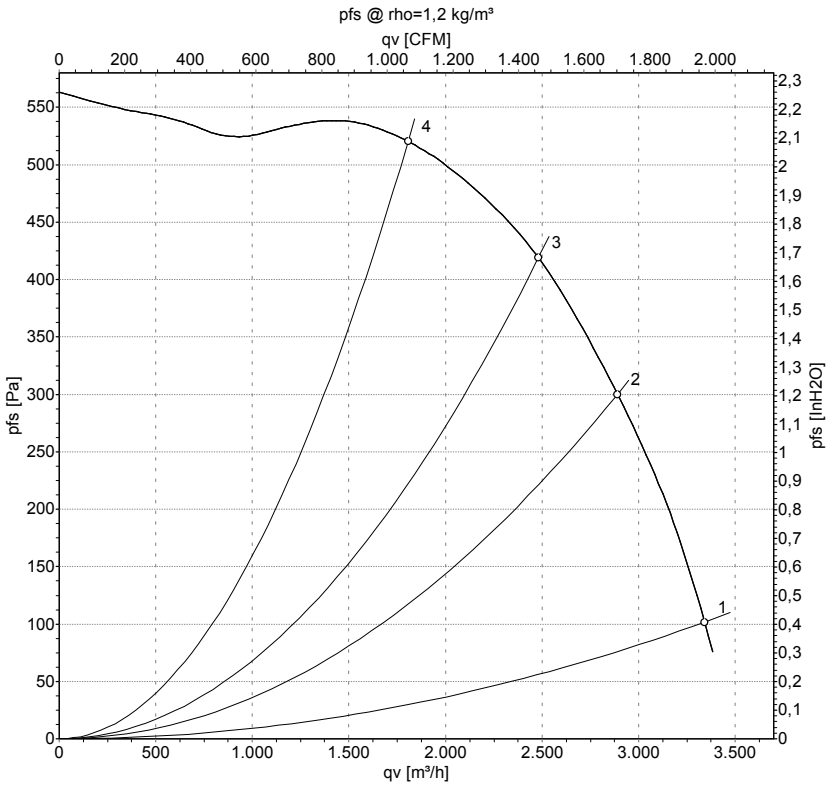
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Charts: Air flow 60 Hz



Measurement: LU-78026

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_{fs}
	V	Hz	min^{-1}	W	A	m^3/h	Pa
1	115	60	1380	1300	11.40	3340	100
2	115	60	1520	1258	11.01	2890	300
3	115	60	1580	1213	10.70	2480	420
4	115	60	1635	1109	10.13	1805	520

U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · qv = Air flow · p_{fs} = Pressure increase

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