D4E225-CC07-37

AC centrifugal fan

forward-curved, dual-intake

with housing (large flange)

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Nominal data

Type	**D4E225-CC07-37**		
Motor	**M4E074-LA**		
Phase		1~	1~
Nominal voltage	VAC	115	115
Frequency	Hz	60	60
Method of obtaining data		ml	ml
Valid for approval/standard		CE	UL 1004-3
Speed (rpm)	min^{-1}	1180	1180
Power consumption	W	475	610
Current draw	A	4.2	5.5
Capacitor	µF	50	50
Capacitor voltage	VDB	220	220
Capacitor standard		S2 (CE)	UL
Min. back pressure	Pa	250	250
Min. back pressure	in. wg	1	1
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	50	50

ml = Max. load · me = Max. efficiency · fa = Free air · cs = Customer specification · ce = Customer equipment
Subject to change

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Technical description

Weight	13.3 kg
Size	225 mm
Motor size	74
Rotor surface	Painted black
Impeller material	Sheet steel, galvanized
Housing material	Sheet steel, galvanized
Guard grille material	Steel, coated with white-aluminum plastic (RAL 9006)
Motor suspension	Motor vibration-damped on both sides
Direction of rotation	Counterclockwise, viewed toward rotor
Degree of protection	IP22
Insulation class	"F"
Moisture (F) / Environmental (H) protection class	H0+
Max. permitted ambient temp. for motor (transport/storage)	+ 80 °C
Min. permitted ambient temp. for motor (transport/storage)	- 40 °C
Installation position	Any
Condensation drainage holes	None
Mode	S1
Motor bearing	Ball bearing
Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system)	< 0.75 mA
Electrical hookup	Plug; Capacitor mounted
Motor protection	Thermal overload protector (TOP) with basic insulation
With cable	Axial
Protection class	I (with customer connection of protective earth)
Motor capacitor according to EN 60252-1 in safety protection class	S2
Conformity with standards	EN 60335-1; CE
Approval	CSA C22.2 No. 100; UL 1004-1

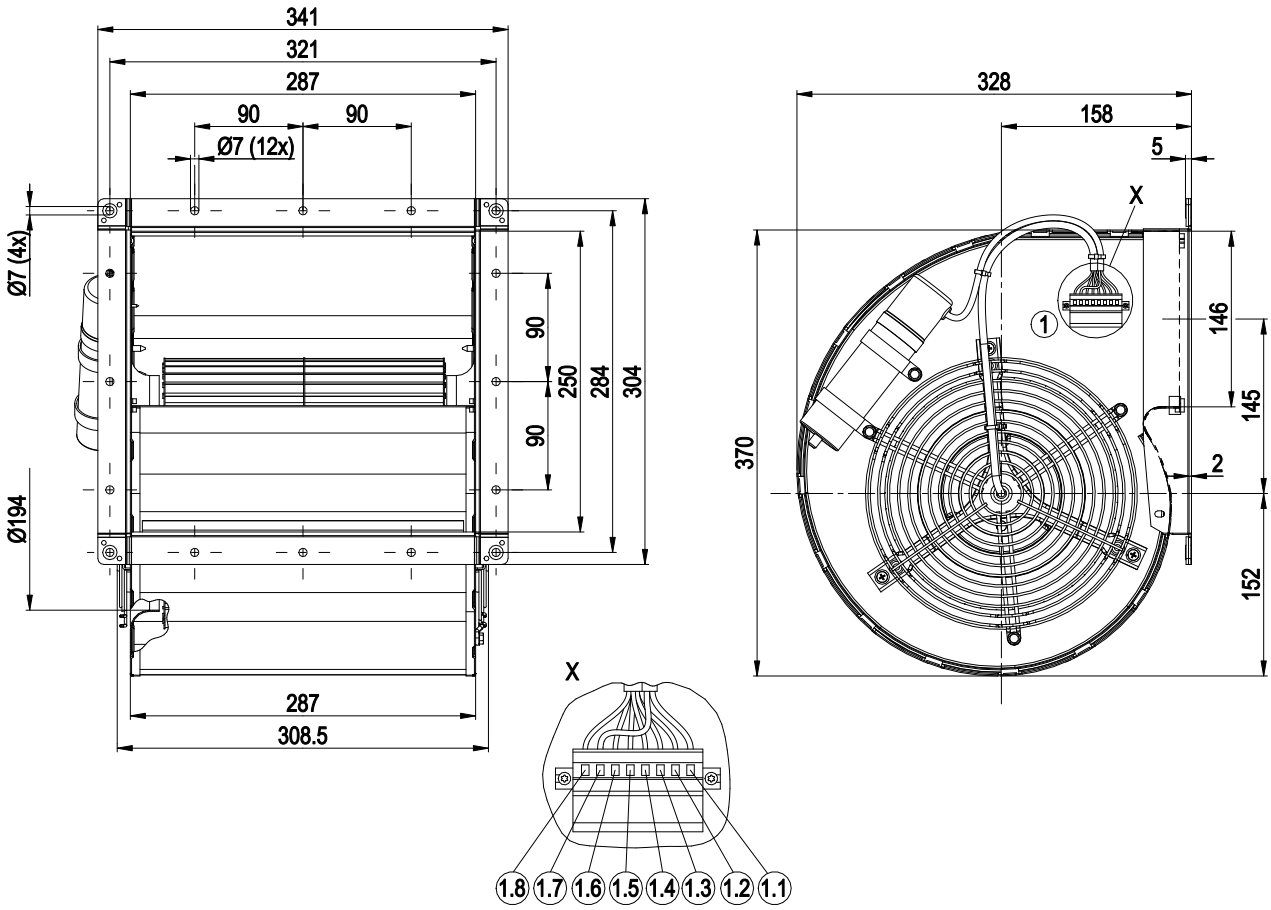
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Product drawing



1	8-pole connector housing WAGO 231-608/019-000
1.1	Capacitor (brown)
1.2	Z (brown)
1.3	L (blue)
1.4	TOP (gray)
1.5	PE (green/yellow)
1.6	TOP (gray)
1.7	Capacitor (blue)
1.8	N (black)

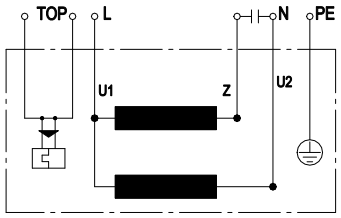
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Connection diagram



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

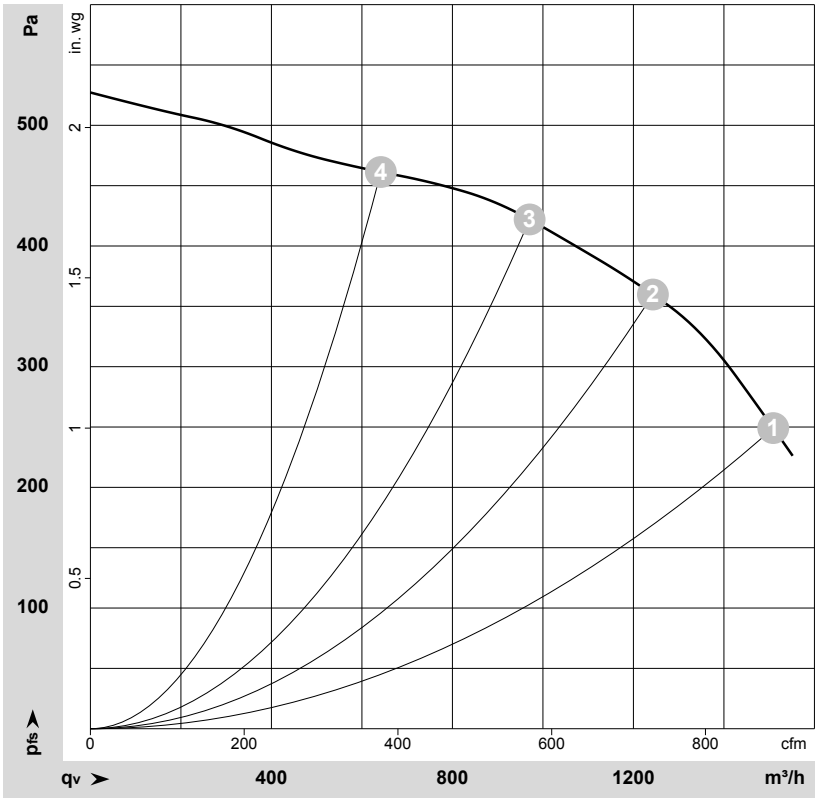
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Curves: Air performance 60 Hz



ρ = 1.15 kg/m³ ± 2 %

Measurement: LU-195697-1

Air performance measured according to ISO 5801 installation category A. For detailed information on the measurement setup, contact ebm-papst. Intake sound level: Sound power level according to ISO 13347 / sound pressure level measured at 1 m distance from fan axis. The values given are valid under the specified measuring conditions and may vary due to conditions of installation. For deviations from the standard configuration, the parameters have to be checked on the installed unit.

Measured values

	Stage	Wired	U	f	n	P_e	I	q_V	p_{fs}	q_V	p_{fs}
			V	Hz	min^{-1}	W	A	m^3/h	Pa	cfm	in. wg
1	1	1~	115	60	1180	475	4.20	1510	250	890	1.00
2	1	1~	115	60	1425	420	3.67	1245	360	730	1.45
3	1	1~	115	60	1540	376	3.33	970	420	570	1.69
4	1	1~	115	60	1630	320	2.95	640	460	380	1.85

Wired = Wiring · U = Voltage · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw · q_V = Air flow · p_{fs} = Pressure increase

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