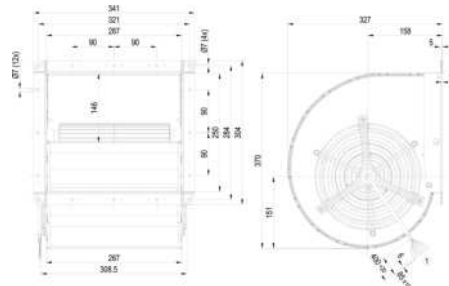


KARTA KATALOGOWA

D4E225-CC01-57

Wentylator promieniowy AC, łopatki zakrzywione do przodu, dwustronnie ssący, z obudową (z dużym kołnierzem)

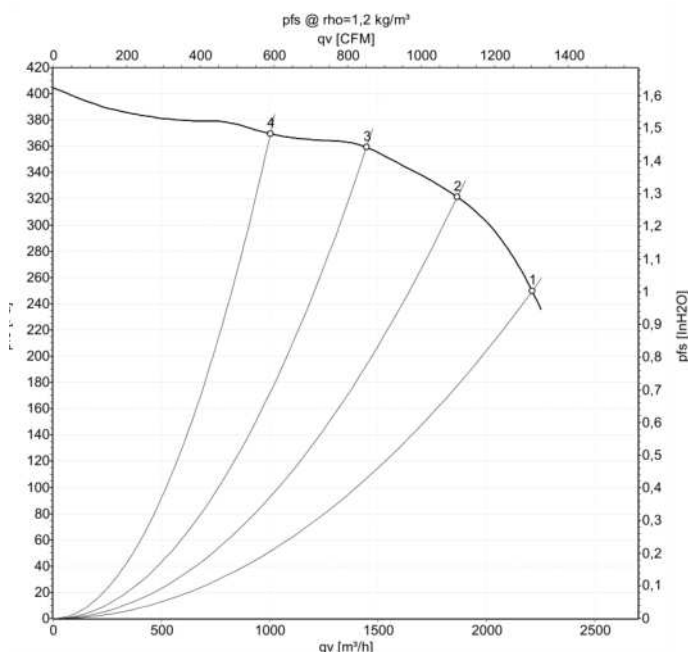
Producent: ebm-papst



Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 230 V	Wielkość	225 mm
Częstotliwość	50 / 60 Hz	Silnik	M4E074-LA
Prędkość obrotowa	1210 / 1300 obr/min	Materiał wirnika	blacha stalowa ocynkowana
Pobór mocy	540 / 625 W	Obudowa	blacha stalowa ocynkowana
Pobór prądu	2,4 / 2,75 A	Kratka ochronna	stal powlekana tworzywem (RAL 9006)
Kondensator	16 µF / 400 V	Kierunek obrotów	w lewo, patrząc na wirnik
Temperatura otoczenia	-25...+30 °C	Stopień ochrony	IP22
Dane ErP (UE 327/2011)		Klasa izolacji	B
Sprawność całkowita	40,3 %	Zabezpieczenie silnika	termik (TOP), izolacja podstawowa
Przepływ w pkt. optymalnym	1710 m³/h	Łożyskowanie	kulkowe
Przyrost ciśnienia	351 Pa	Masa	12,67 kg
Regulacja prędkości (ErP)	nie		

Charakterystyka przepływowa (50 Hz)

Curves: Air performance 50 Hz



Measurement: LU-135956-1

Air performance measured according to ISO 5801 installation category B. 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.

Dane na okładce wg karty katalogowej producenta ebm-papst (oryginał na kolejnych stronach).

Wartości przy maksymalnym obciążeniu; producent zastrzega możliwość zmian.

Dobór, wycena i dostawa – zapytaj LUFTBERG

tel. +48 600 100 371 · tel. +48 604 959 199

biuro@luftberg.pl · www.luftberg.pl

D4E225-CC01-57

AC centrifugal fan

forward-curved, dual-intake
with housing (large flange)

ebm-papst Mulfingen GmbH & Co. KG

Bachmühle 2 · D-74673 Mulfingen

Phone +49 7938 81-0

Fax +49 7938 81-110

info1@de.ebmpapst.com

www.ebmpapst.com

Nominal data

Type	D4E225-CC01-57		
Motor	M4E074-LA		
Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz	50	60
Method of obtaining data		ml	ml
Valid for approval/standard		CE	CE
Speed (rpm)	min ⁻¹	1210	1300
Power consumption	W	540	625
Current draw	A	2.4	2.75
Capacitor	µF	16	16
Capacitor voltage	VDB	400	400
Capacitor standard		S2 (CE)	S2 (CE)
Min. back pressure	Pa	250	300
Min. back pressure	in. wg	1	1.2
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	30	30

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

Data according to Commission Regulation (EU) 327/2011 (EN 17166)

		Actual	Req. 2015
01 Overall efficiency η_e	%	40.3	40.2
02 Measurement category		B	
03 Efficiency category		Total	
04 Efficiency grade N		49.1	49
05 Variable speed drive		No	

Data obtained at optimum efficiency level.

The ErP data is determined using a motor-impeller combination in a standardized measurement setup.

09 Power consumption P_e	kW	0.41
09 Air flow q_v	m³/h	1710
09 Pressure increase p_f	Pa	351
10 Speed (rpm) n	min ⁻¹	1335
11 Specific ratio*		1.00

 * Specific ratio = $1 + p_f / 100\,000\text{ Pa}$

LU-200211



D4E225-CC01-57

AC centrifugal fan

forward-curved, dual-intake
with housing (large flange)

Technical description

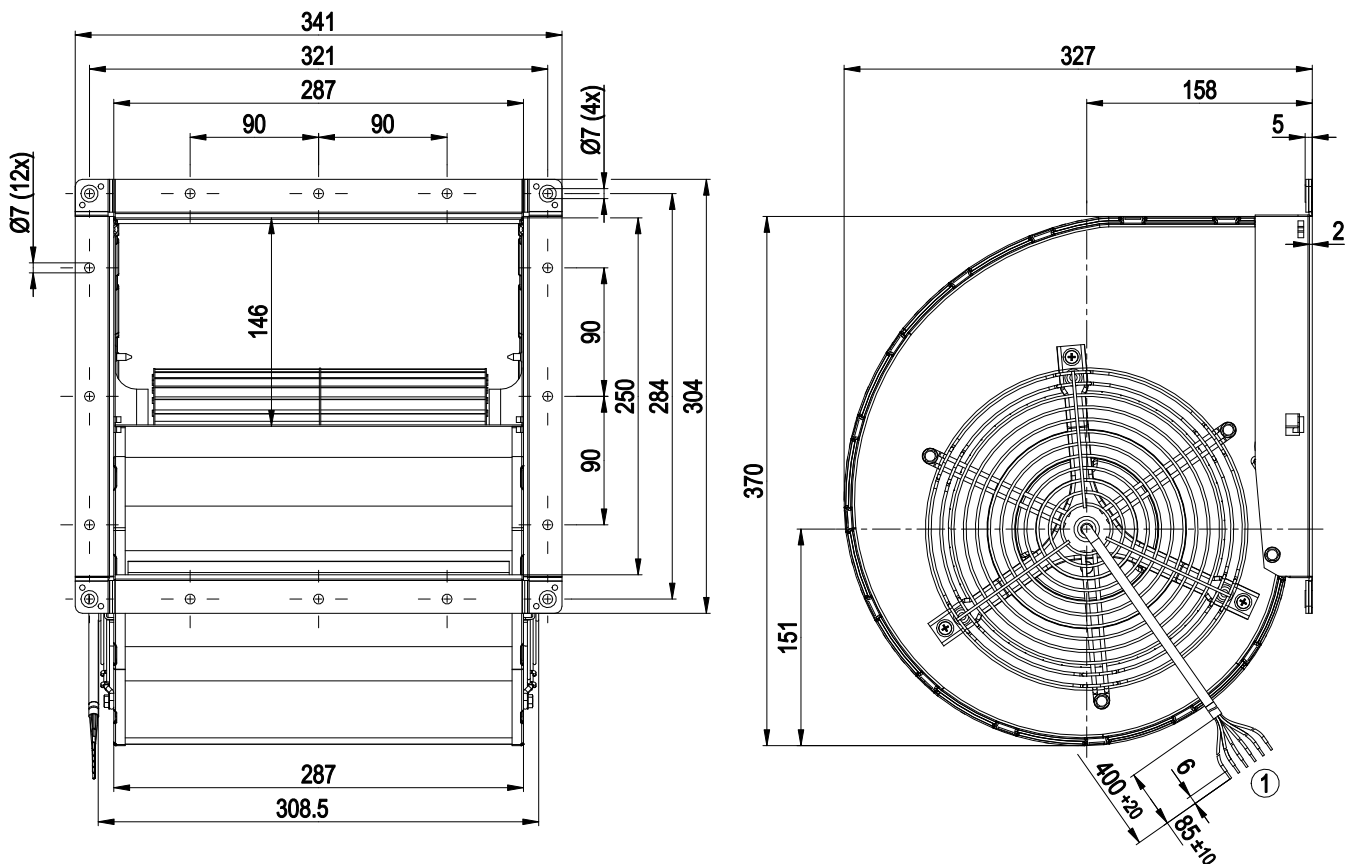
Weight	12.67 kg
Size	225 mm
Motor size	74
Impeller material	Sheet steel, galvanized
Housing material	Sheet steel, galvanized
Guard grille material	Steel, coated with white-aluminum plastic (RAL 9006)
Motor suspension	Motor vibration-damped on both sides
Direction of rotation	Counterclockwise, viewed toward rotor
Degree of protection	IP22
Insulation class	"B"
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, open rotor
Mode	S1
Motor bearing	Ball bearing
Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system)	< 0.75 mA
Motor protection	Thermal overload protector (TOP) with basic insulation
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 60034-1; EN 60204-1; EN 60335-1; CE
Approval	CSA C22.2 No. 100; CCC; EAC; UL 1004-1

D4E225-CC01-57

AC centrifugal fan

forward-curved, dual-intake
with housing (large flange)

Product drawing



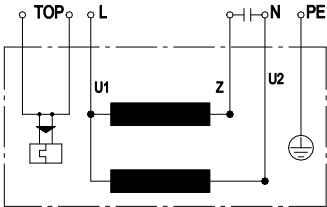
1	Cable PFA AWG20 (green/yellow AWG18)
	6x splice

D4E225-CC01-57

AC centrifugal fan

forward-curved, dual-intake
with housing (large flange)

Connection diagram



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

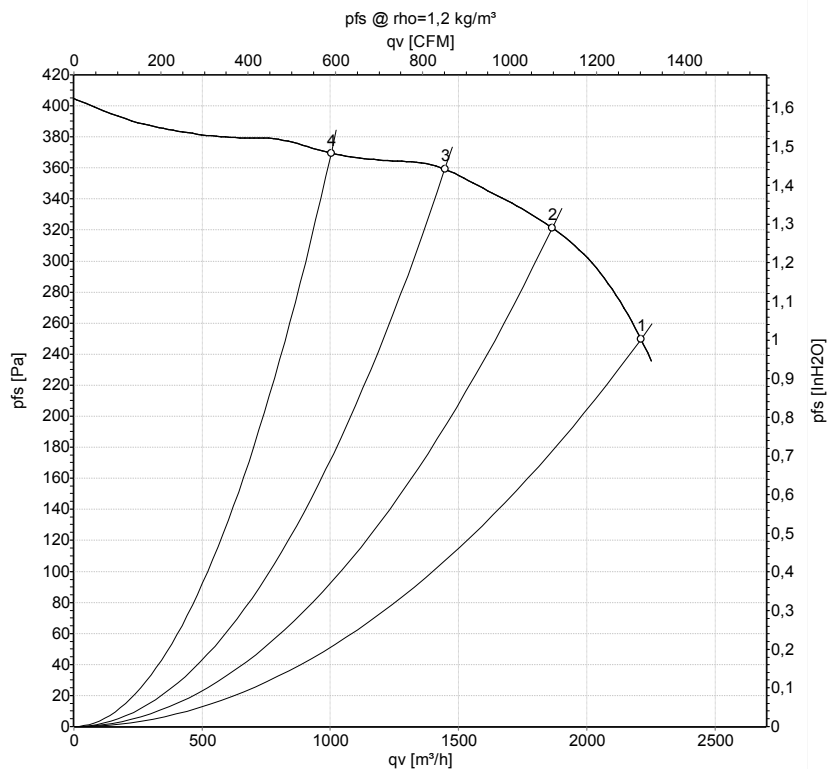


D4E225-CC01-57

AC centrifugal fan

forward-curved, dual-intake
with housing (large flange)

Curves: Air performance 50 Hz



Measurement: LU-135956-1

Air performance measured according to ISO 5801 installation category B. 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

	U	f	n	P _e	I	q _v	p _{fs}	q _v	p _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	Pa	cfm	in. wg
1	230	50	1210	540	2.40	2210	250	1300	1.00
2	230	50	1300	459	2.04	1865	320	1100	1.28
3	230	50	1365	378	1.71	1445	360	850	1.45
4	230	50	1405	320	1.48	1005	370	590	1.49

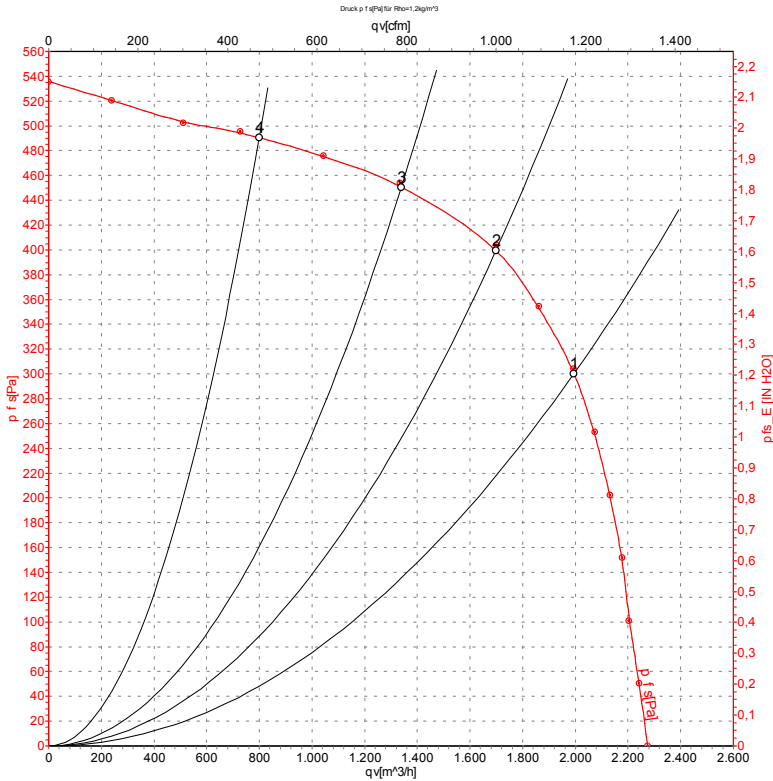
U = Voltage · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw · q_v = Air flow · p_{fs} = Pressure increase

D4E225-CC01-57

AC centrifugal fan

forward-curved, dual-intake
with housing (large flange)

Curves: Air performance 60 Hz



Measurement: LU-35316-1

Air performance measured according to ISO 5801 installation category B. 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

	U	f	n	P _e	I	q _v	p _{fs}	q _v	p _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	Pa	cfm	in. wg
1	230	60	1300	625	2.75	1995	300	1175	1.20
2	230	60	1465	553	2.43	1700	400	1000	1.61
3	230	60	1565	474	2.13	1340	450	790	1.81
4	230	60	1645	390	1.83	800	490	470	1.97

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



ebm-papst