D4E133-DL33-L8

AC centrifugal fan

forward curved, dual inlet

with housing (flange)

D4E133-DL33-L8 ebmpapst Datasheet
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www.fansco.com

Limited partnership · Headquarters Mulfingen
County court Stuttgart · HRA 590344

General partner Elektrobau Mulfingen GmbH · Headquarters Mulfingen
County court Stuttgart · HRB 590142

Nominal data

Type	**D4E133-DL33-L8**	
Motor	**M4E068-CF**	
Phase		1~
Nominal voltage	VAC	115
Frequency	Hz	60
Type of data definition		fa
Valid for approval / standard		CE
Speed (rpm)	min^{-1}	1350
Power input	W	95
Current draw	A	0.83
Motor capacitor	µF	7
Capacitor voltage	VDB	250
Capacitor standard		S2 (CE)
Min. back pressure	Pa	0
Min. ambient temperature	°C	-25
Max. ambient temperature	°C	55
Starting current	A	1.04

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	3.1 kg
Size	133 mm
Surface of rotor	Uncoated
Material of impeller	PA plastic, galvanised round sheet-metal plate
Housing material	Sheet steel, galvanised
Material of guard grille	Steel, coated in white aluminium plastic (RAL 9006)
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 44; Depending on installation and position
Insulation class	"B"
Humidity (F)/environmental protection class (H)	H0 - dry environment
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)	< 0.75 mA
Electrical leads	With plug; Via terminal box, integrated capacitor connected via terminal box
Motor protection	Thermal overload protector (TOP) wired internally
Cable exit	Variable
Protection class	I (if protective earth is connected by customer)
Motor capacitor according to EN 60252-1 in safety protection class	S2
Product conforming to standard	CE
Approval	CSA C22.2 No.100; UL 1004-1

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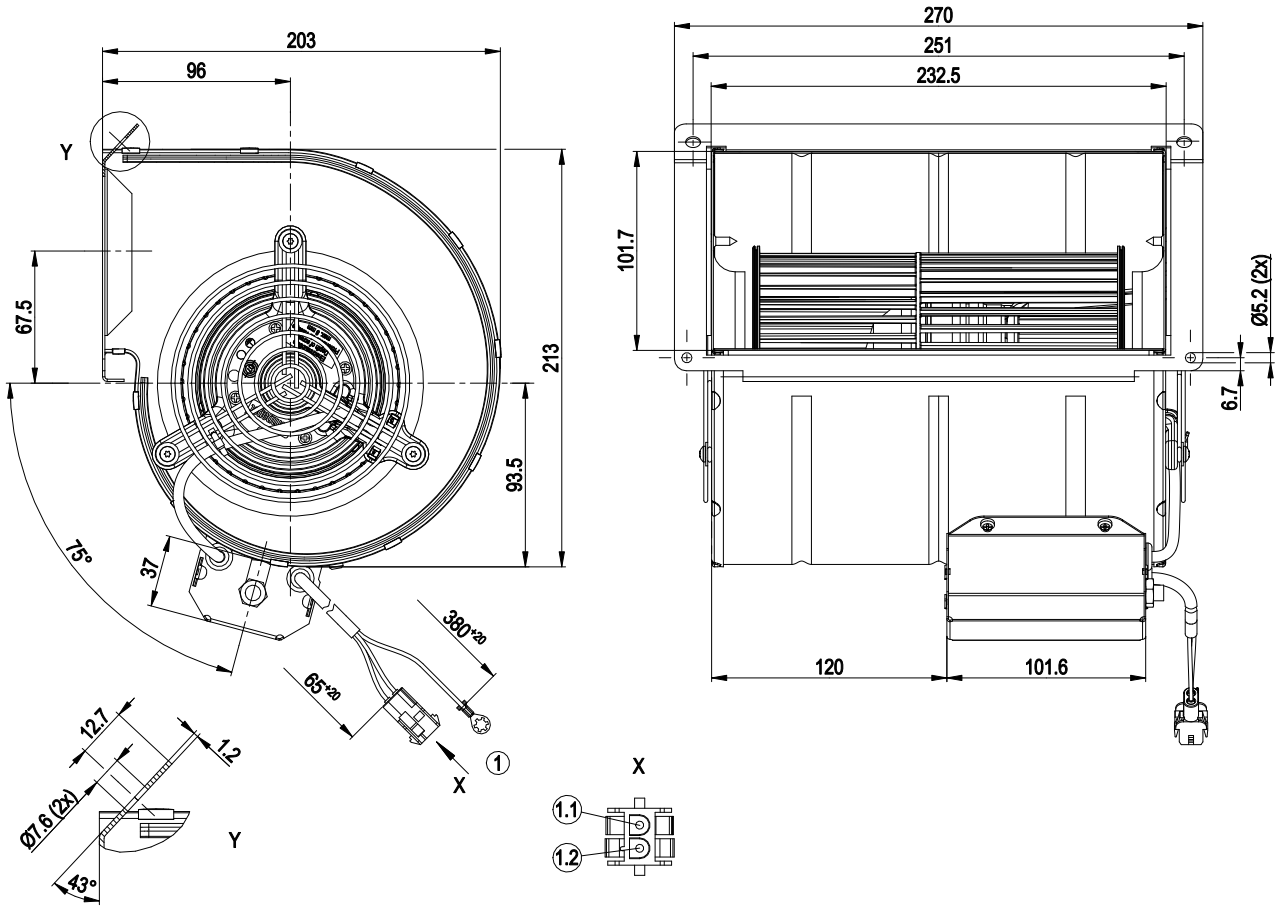
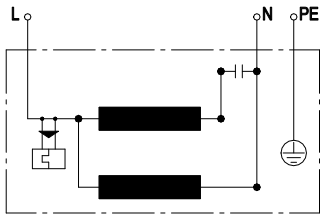
Product drawing



1	Connection line PVC AWG20, Tyco 2-pole connector housing 1586856-1, 2x Tyco plug pin 926887-1, 1x contact stud Ø 5.3
1.1	L (blue)
1.2	N (black)

Connection screen



L	blue	N	black	PE	green/yellow

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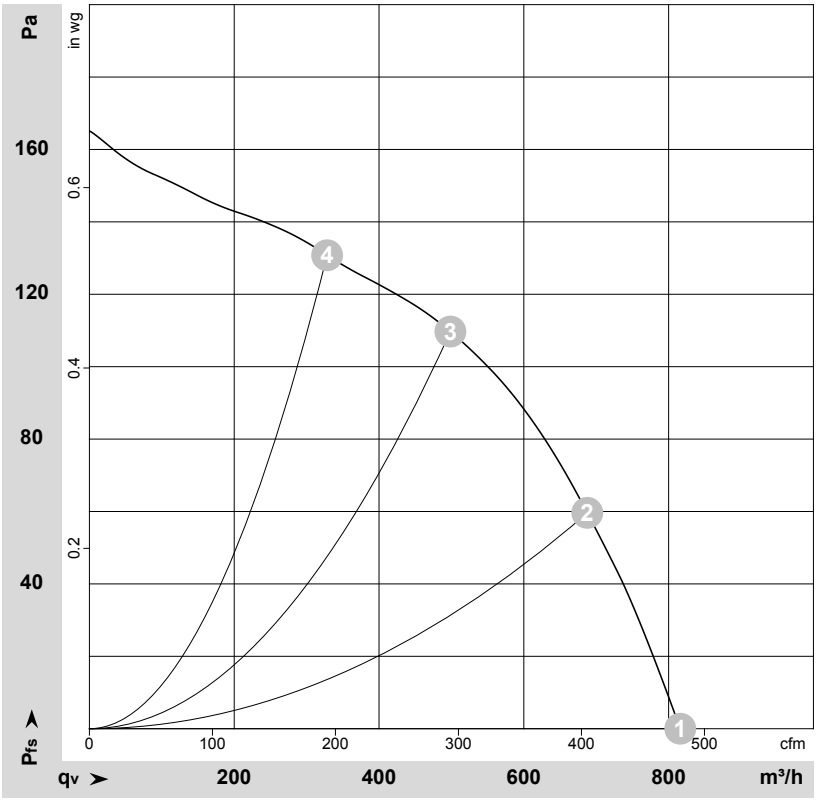
Charts: Air flow 60 Hz



ρ = 1.15 kg/m³ ± 2 %

Measurement: LU-167160-1

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	q_V	p_{fs}	q_V	p_{fs}
	V	Hz	min^{-1}	W	A	m^3/h	Pa	cfm	inH2O
1	115	60	1350	95	0.83	815	0	480	0.00
2	115	60	1485	86	0.75	690	60	405	0.24
3	115	60	1600	75	0.65	500	110	295	0.44
4	115	60	1660	68	0.60	330	130	195	0.52

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

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