D1G133-DC55-16

EC centrifugal fan

forward curved, dual inlet

with housing (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

Limited partnership · Headquarters Mulfingen
County court Stuttgart · HRA 590344

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

Nominal data

Type	**D1G133-DC55-16**	
Motor	**M1G074-CF**	
Nominal voltage	VDC	110
Nominal voltage range	VDC	67 .. 121
Type of data definition		fa
Speed (rpm)	min^{-1}	1550
Power input	W	120
Current draw	A	1.3
Min. ambient temperature	°C	-40
Max. ambient temperature	°C	40

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	3.9 kg
Size	133 mm
Surface of rotor	Coated in black
Material of impeller	Sheet steel, hot-galvanised
Housing material	Sheet steel, hot-galvanised
Motor suspension	Motor anti-vibration mounted on both sides
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 42
Insulation class	"B"
Humidity (F)/environmental protection class (H)	F3-1
Max. permissible ambient motor temp. (transp./ storage)	+ 70 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Mounting position	Any
Condensate discharge holes	None
Operation mode	S1
Motor bearing	Ball bearing with anti-freezing grease
Technical features	- Motor current limit - Control input 2-bit
Electrical leads	With plug
Motor protection	Reverse polarity and locked-rotor protection
Cable exit	Variable
Product conforming to standard	EN 60950-1
Approval	EAC

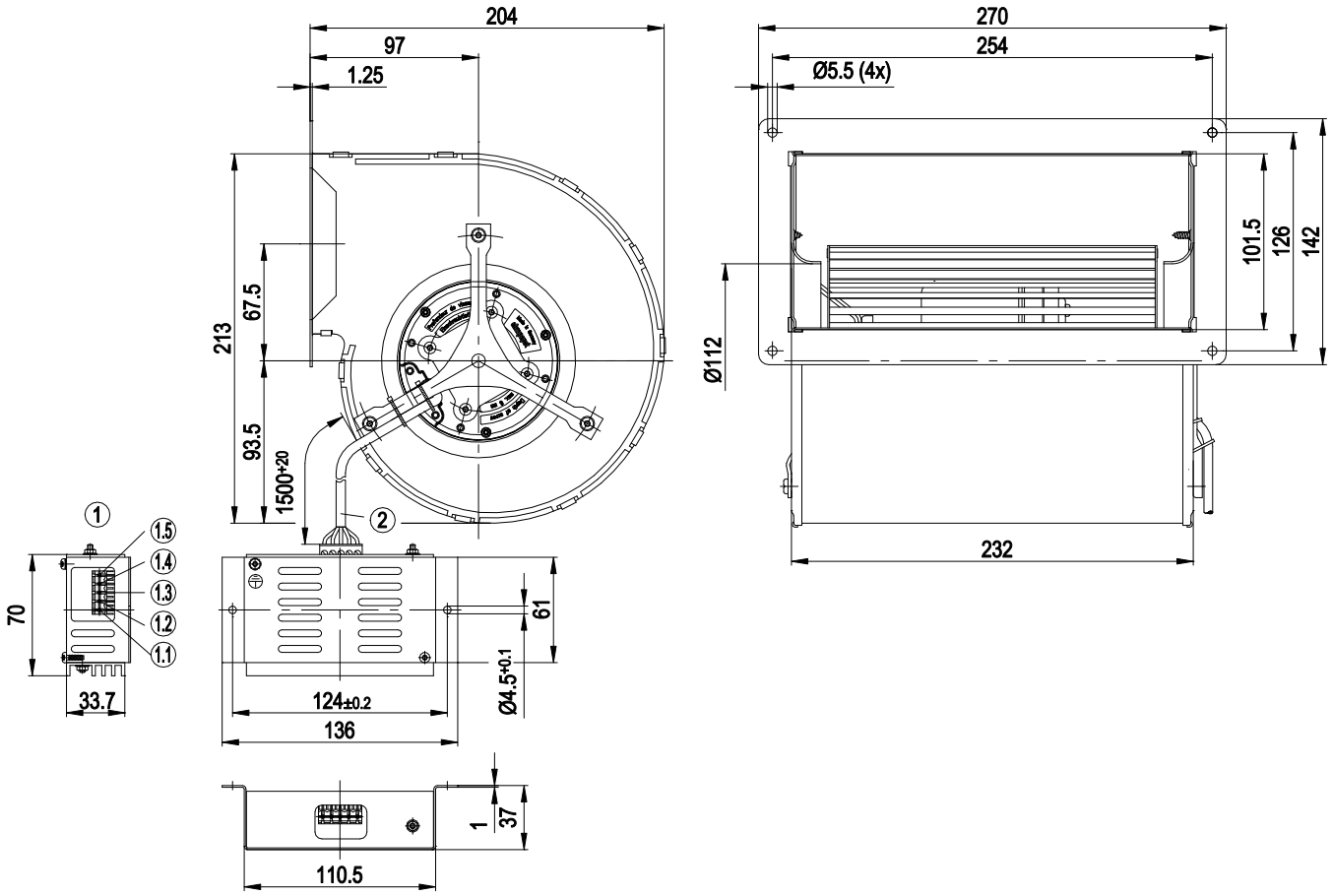
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Product drawing



1	Accessory parts: Control unit 02004-1-0173 included in scope of delivery
	Connector housing 05001-4-6728 (Phönix MSTB2.5/5-STBDWH:CC+-) for customer connection, included separately
1.1	Control input 1
1.2	Control input 2
1.3	+
1.4	-
1.5	PE
2	Connection line silicone 5x 0.5 mm² with connector housing 79370-4-6728 (Phönix MSTB 2.5/5-ST)
	If replacement required: External electronics - CHG012-AA01-01

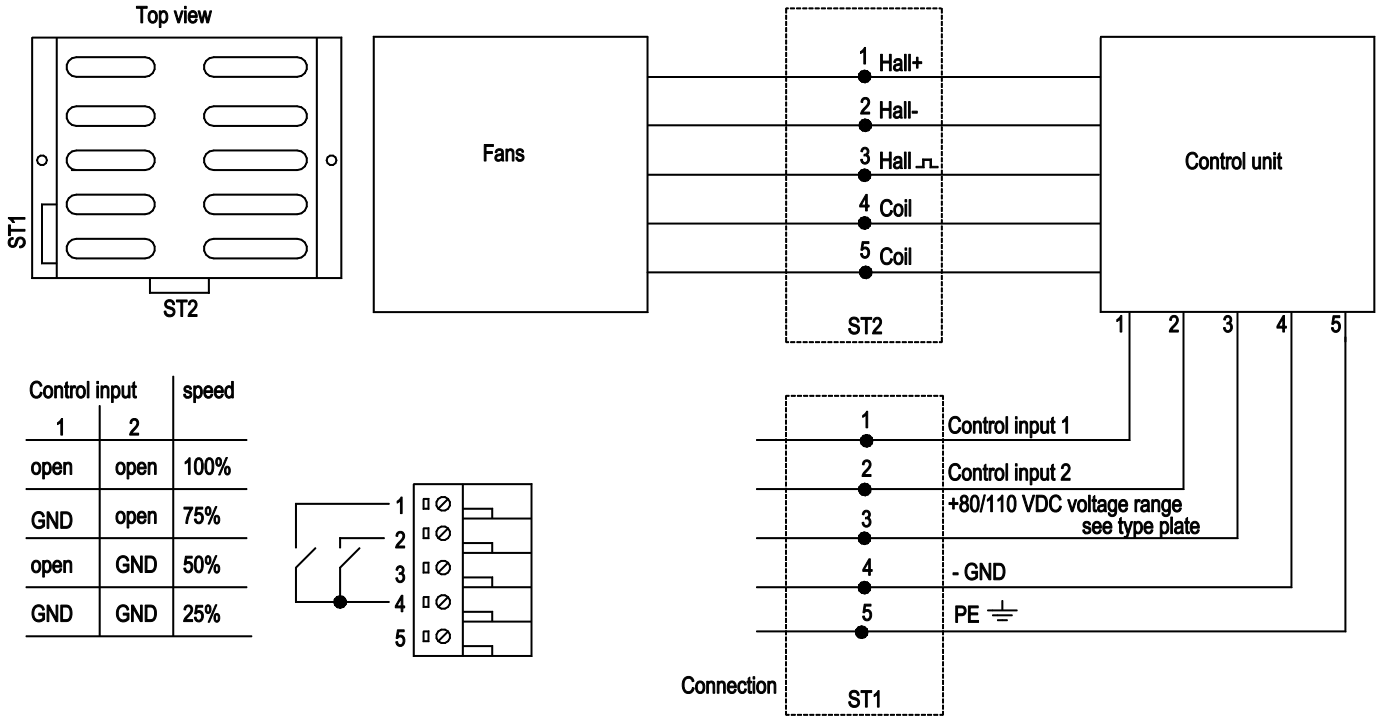
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Connection screen



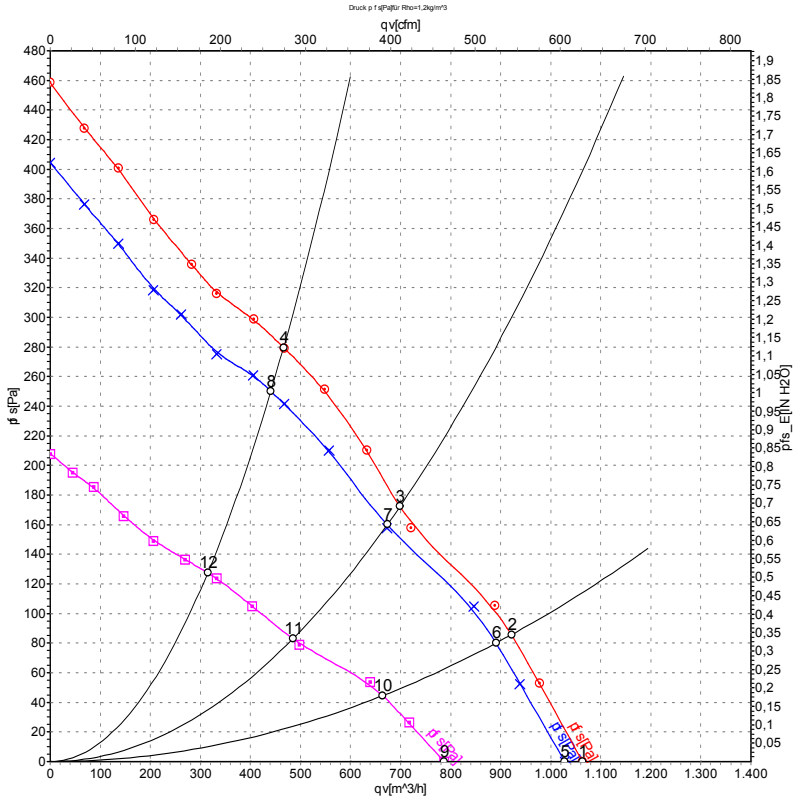
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Charts: Air flow



Measurement: LU-57736-1
Measurement: LU-57735-1
Measurement: LU-57737-1

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	n	P_{ed}	I	qv	p_{fs}	qv	p_{fs}
	V	min^{-1}	W	A	m^3/h	Pa	CFM	inH2O
1	121	1615	133	1.36	1065	0	625	0.00
2	121	1785	124	1.23	920	86	545	0.35
3	121	2050	112	1.06	700	171	410	0.69
4	121	2330	93	0.86	465	280	275	1.12
5	110	1550	120	1.30	1030	0	605	0.00
6	110	1715	111	1.18	890	80	525	0.32
7	110	1965	99	1.02	675	160	395	0.64
8	110	2200	80	0.81	440	250	260	1.00
9	67	1210	55	0.94	785	0	465	0.00
10	67	1305	49	0.83	665	45	390	0.18
11	67	1435	41	0.68	485	82	285	0.33
12	67	1585	33	0.57	315	128	185	0.51

U = Supply voltage · n = Speed (rpm) · P_{ed} = Power input · I = Current draw · qv = Air flow · p_{fs} = Pressure increase

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