D1G133-AB29-52

EC centrifugal fan

forward curved, dual inlet

with housing (without 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-AB29-52**	
Motor	**M1G074-BF**	
Nominal voltage	VDC	24
Type of data definition		fa
Speed	min^{-1}	1780
Power input	W	105
Current draw	A	5.6
Min. ambient temperature	°C	- 25
Max. ambient temperature	°C	+60

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	2.8 kg
Size	133 mm
Material of electronics housing	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 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
Technical features	- Tach output - Motor current limit - Soft start - Control input 0-10 VDC / PWM
EMC interference immunity	Acc. to EN 61000-6-2 (industrial environment)
EMC interference emission	Acc. to EN 55022 (Class B)
Motor protection	Reverse polarity and locked-rotor protection
Cable exit	Variable
Product conforming to standard	EN 60335-1
Approval	UL 1004-1; CSA C22.2 Nr.77

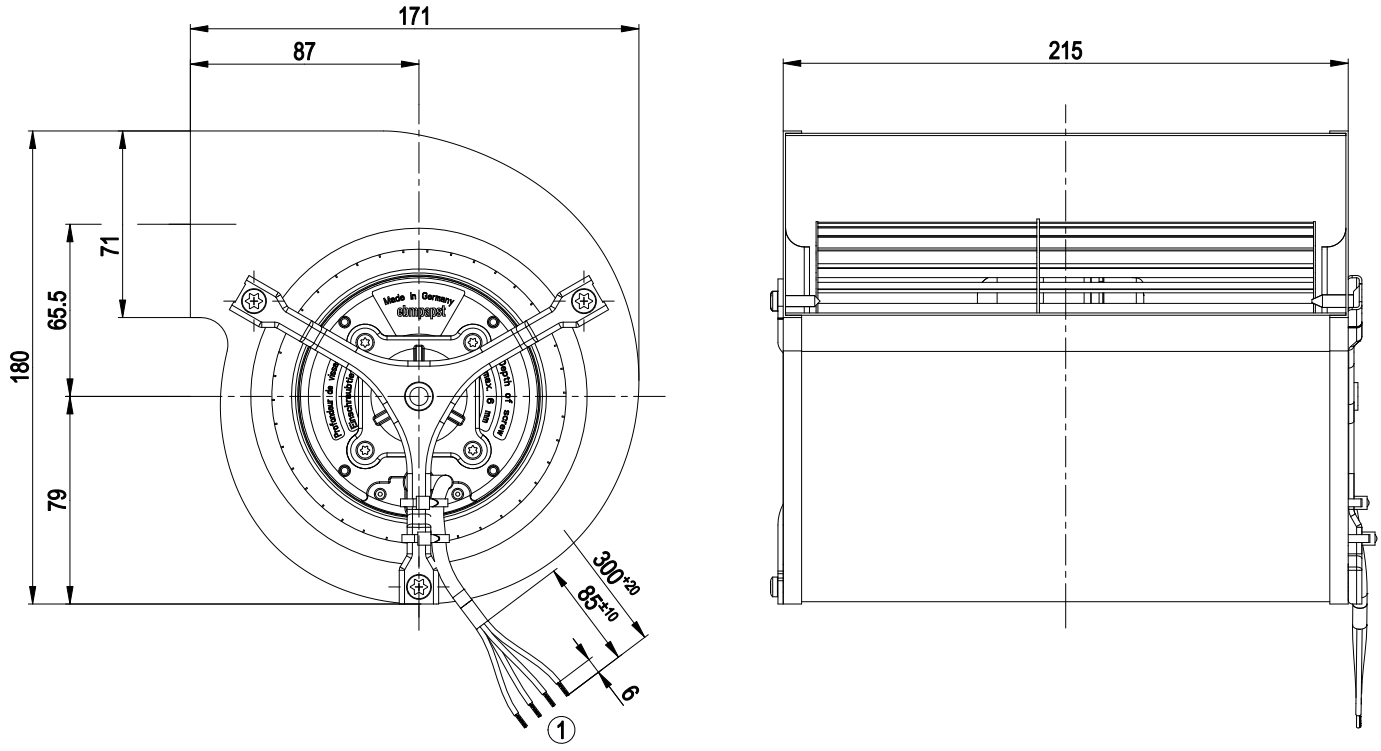
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Product drawing



1	Connection line PVC AWG20, 4x brass lead tips crimped

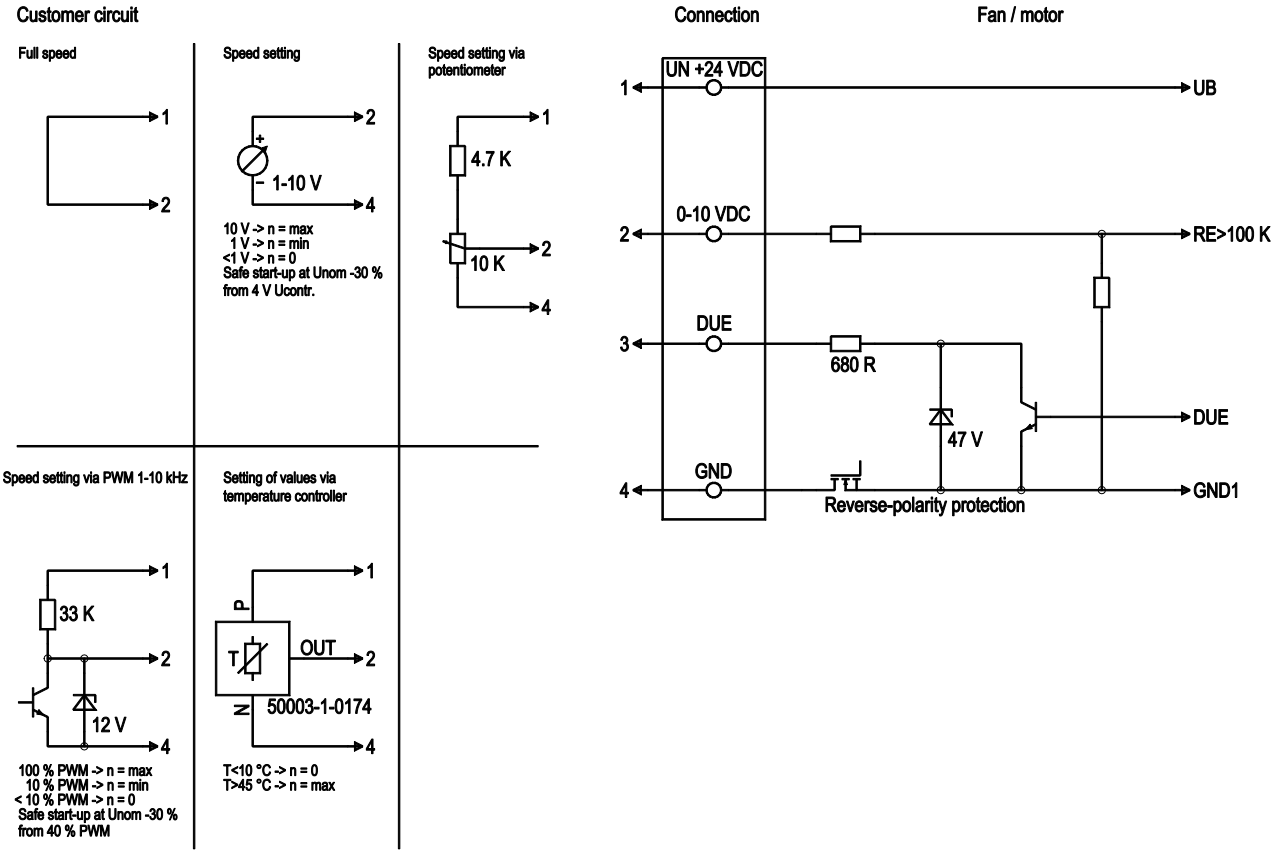
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Connection screen



Line	No.	Signal	Colour	Function / assignment
1	1	Un +24 VDC	red	Power supply 24 VDC, residual ripple 3.5 %
1	2	0-10 VDC	yellow	Control input Re > 100 K
1	3	DUE	white	Speed monitoring output, 3 pulses per rotation, Isink max = 10 mA
1	4	GND	blue	Reference mass

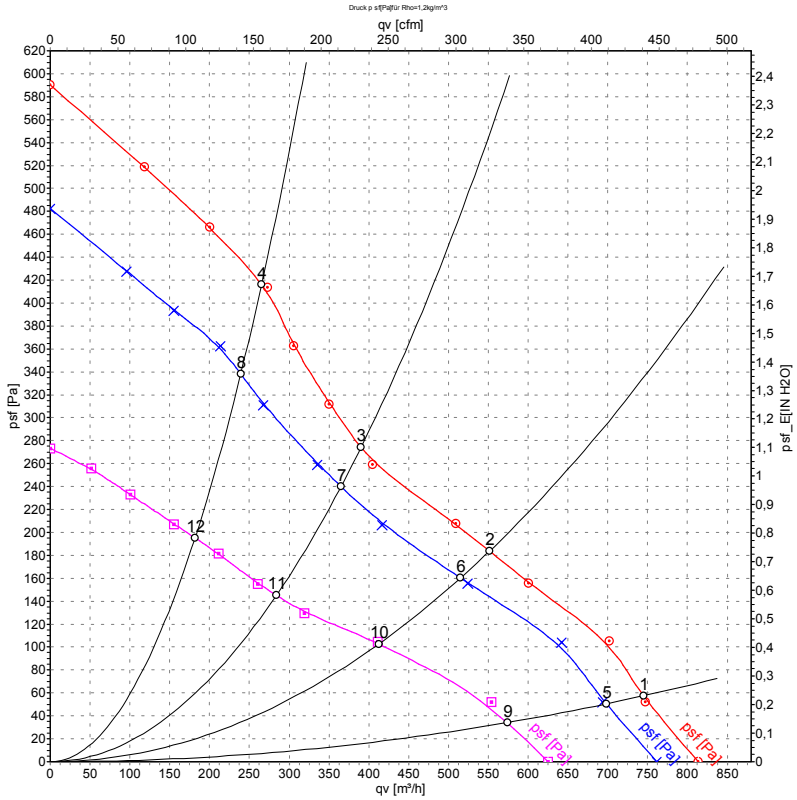
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Charts: Air flow



Measurement: LU-48008
Measurement: LU-48007
Measurement: LU-48009

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_e	I	qv	p_{sf}
	V	min^{-1}	W	A	m^3/h	Pa
1	28	1895	135	6.24	745	55
2	28	2275	117	5.10	550	184
3	28	2610	108	4.47	390	273
4	28	2995	100	3.99	265	419
5	24	1780	105	5.60	700	50
6	24	2130	96	4.68	515	160
7	24	2440	89	4.17	365	240
8	24	2755	75	3.47	240	340
9	16	1505	62	4.35	575	38
10	16	1735	51	3.53	410	104
11	16	1920	43	2.98	285	145
12	16	2115	35	2.49	180	195

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