

G4D200-BL12-01

AC centrifugal fan

forward curved, single inlet
with housing (flange)



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Nominal data

Type	G4D200-BL12-01				
Motor	M4D074-EI				
Phase		1~	1~	1~	1~
Nominal voltage	V	230	230	400	400
Connection		D	D	Y	Y
Frequency	Hz	50	60	50	60
Type of data definition		rfa	ml	rfa	ml
Valid for approval / standard		CE	CE	CE	CE
Speed	min ⁻¹	1350	1530	1350	1530
Power input	W	285	360	285	360
Current draw	A	1.0	1.13	0.58	0.65
Min. back pressure	Pa	0	200	0	200
Max. ambient temperature	°C	45	45	45	45

ml = max. load · me = max. efficiency · rfa = running at free air · cs = customer specs · cu = customer unit
Subject to alterations

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Technical features

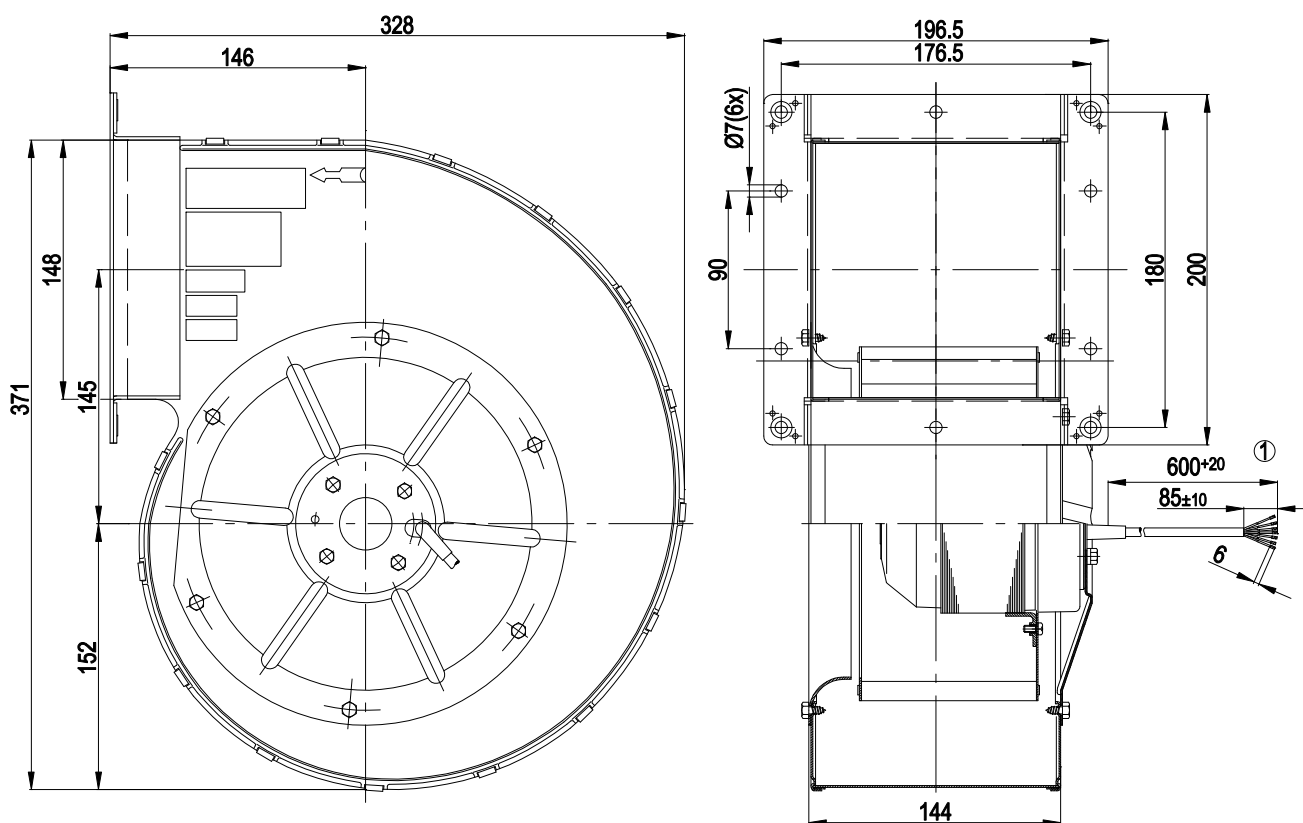
Leackage current	< 0.75 mA
Size	200 mm
Operation mode	S1
Direction of rotation	Clockwise, seen on rotor
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Humidity class	F1-2
Insulation class	"B"
Cable exit	Axial
Condensate discharge holes	Rotor-side
Motor bearing	Ball bearing
Mass	7.2 kg
Housing material	Sheet steel, hot-galvanised
Material of impeller	Sheet steel, coated in black
Product conforming to standard	EN 60335-1, motor does not have factory-installed overheating protection
Surface of rotor	Coated in black
Type of protection	IP 44; Depending on installation and position as per EN 60034-5
Protection class	I
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Approval	CCC

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Product drawing



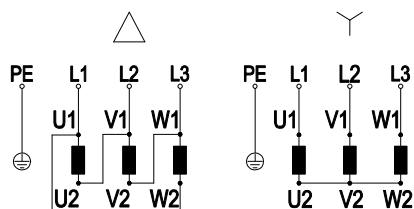
Drawing preliminary!

1 Connection line PVC 7G 0.5 mm², 7 x brass lead tips crimped

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Connection screen



Note: Direction of rotation changes when two phases are reversed

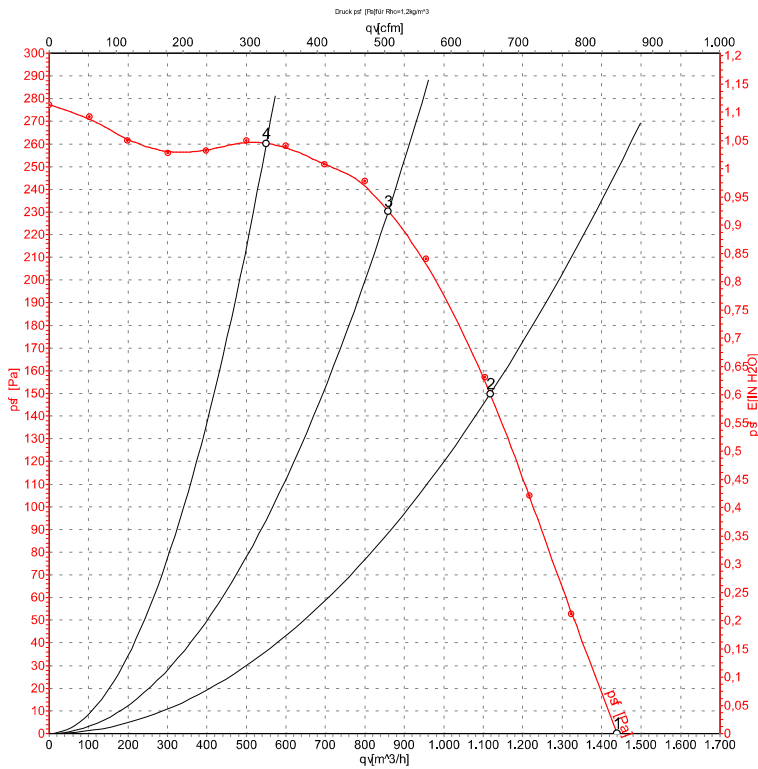
Δ	Delta connection	Y	Star connection	L1	black
L2	blue	L3	brown	U1	black
V1	blue	W1	brown	U2	green
V2	white	W2	yellow	PE	green/yellow

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Charts: Air flow 50 Hz



Measurement: LU-105240

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

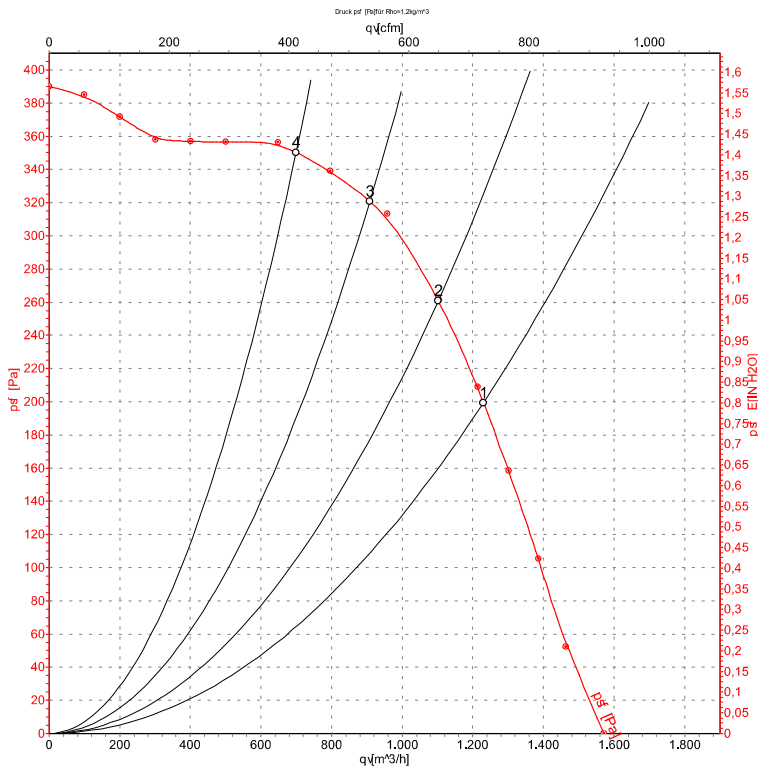
	Conn.	U	f	n	P ₁	I	qv	p _{sf}
		V	Hz	min ⁻¹	W	A	m ³ /h	Pa
1	Y	400	50	1350	285	0.58	1440	0
2	Y	400	50	1385	232	0.51	1120	150
3	Y	400	50	1420	186	0.48	860	230
4	Y	400	50	1445	140	0.46	550	260

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Charts: Air flow 60 Hz



Measurement: LU-105243

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: L_{wA} measured as per ISO 13347 / L_{pA} 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

	Conn.	U	f	n	P ₁	I	qv	p _{sf}
		V	Hz	min ⁻¹	W	A	m ³ /h	Pa
1	Y	400	60	1530	360	0.65	1230	200
2	Y	400	60	1585	293	0.52	1100	260
3	Y	400	60	1635	242	0.45	910	320
4	Y	400	60	1675	194	0.40	700	350