G1G108-BD41-05

EC centrifugal fan

forward-curved, single-intake

with housing (without flange), Gas blower for conventional heating

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Nominal data

Type	**G1G108-BD41-05**
Motor	**M1G055-AI**

Phase		1~
Nominal voltage	VAC	24
Nominal voltage range	VAC	16 .. 28
Frequency	Hz	50
Speed (rpm)	min^{-1}	3600
Power consumption	W	19
Current draw	A	1
Min. ambient temperature	°C	-25
Max. ambient temperature	°C	100

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

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Technical description

Weight	1.1 kg
Fan size	108 mm
Rotor surface	Thick-film passivated
Impeller material	Sheet steel, galvanized
Housing material	Sheet steel, galvanized
Direction of rotation	Clockwise, viewed toward rotor
Degree of protection	IP00
Insulation class	"B"
Moisture (F) / Environmental (H) protection class	H0 - dry environment
Max. permitted ambient temp. for motor (transport/storage)	+80 °C
Min. permitted ambient temp. for motor (transport/storage)	-40 °C
Installation position	Shaft 45° and rotor on bottom; outlet 45° upward
Condensation drainage holes	None
Cooling hole/opening	On rotor side
Mode	S1
Premixing	Not suitable for premixing.
Motor bearing	Ball bearing
Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system)	<= 3.5 mA
Motor protection	Reverse polarity and locked-rotor protection
Protection class	I (if protective earth is connected by customer to the housing's connection point)
Conformity with standards	EN 60335-1

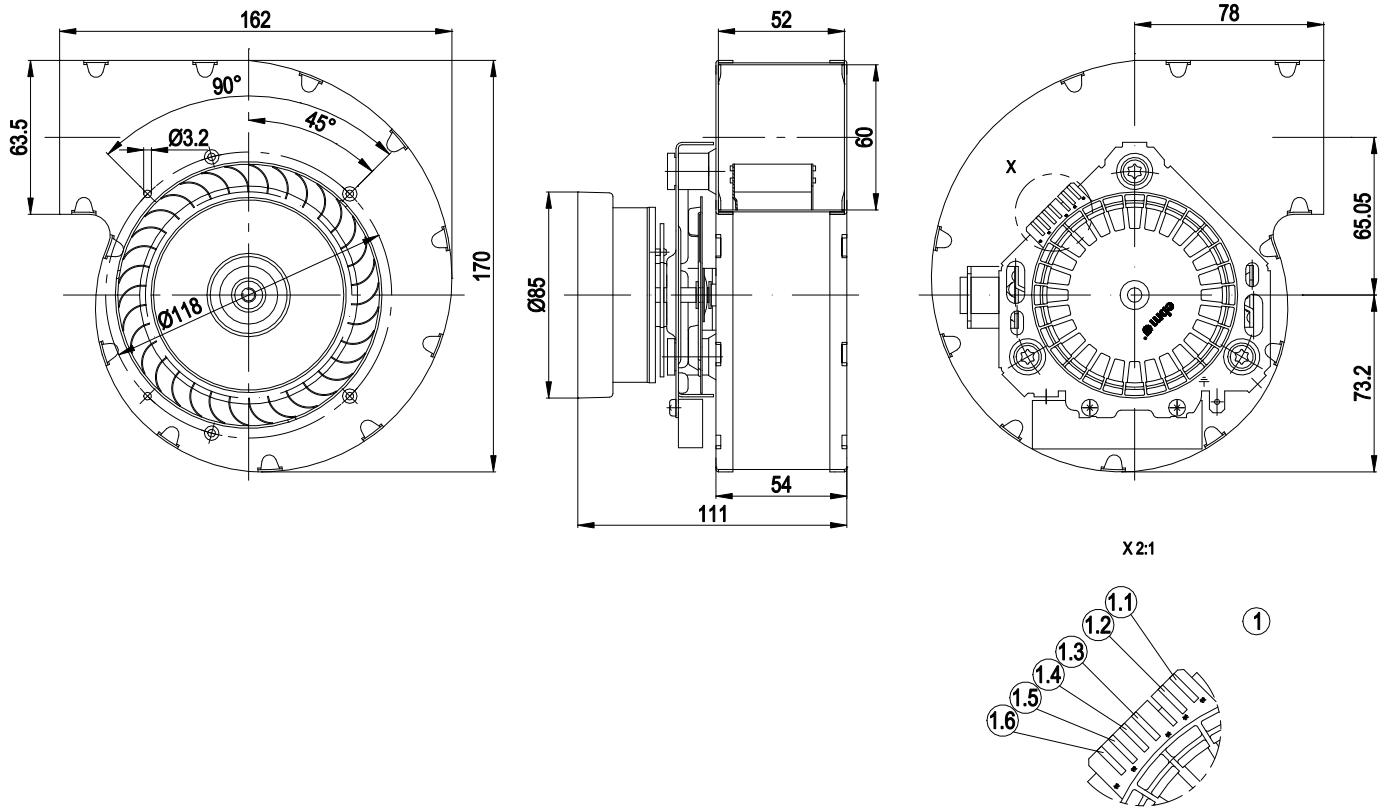
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Product drawing



1	Motor circuit board edge connection
1.1	Hall IC + (red)
1.2	Hall IC input (white)
1.3	Hall IC - (blue)
1.4	not used
1.5	Motor winding (black)
1.6	Motor winding (brown)
	Accessory parts: Wire 63845-4-1040 and control unit 55918-1-0173 not included in scope of delivery; gas blower G1G108BD4105 is only to be operated with specified accessories (accessories: cable and control unit - not shown)

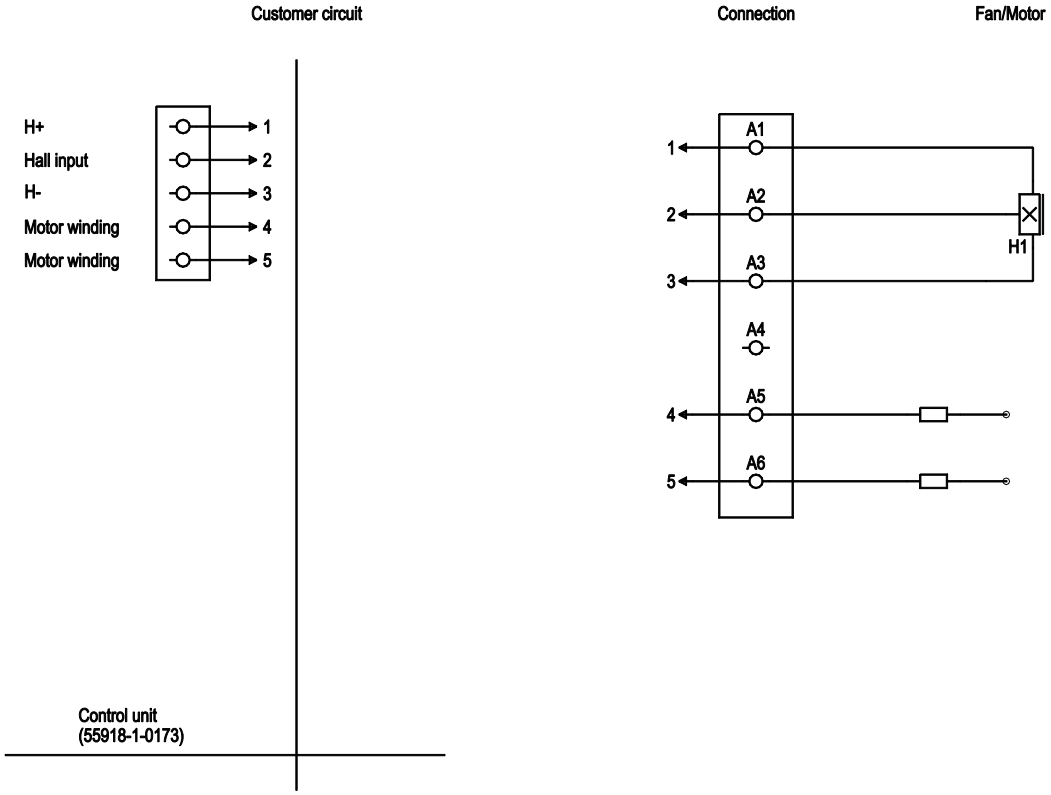
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Connection diagram



No.	Conn.	Designation	Function/assignment
1	A1	1	Hall IC + (red)
1	A2	2	Hall IC input (white)
1	A3	3	Hall IC - (blue)
1	A4	-	not used
1	A5	4	Motor winding (black)
1	A6	5	Motor winding (brown)

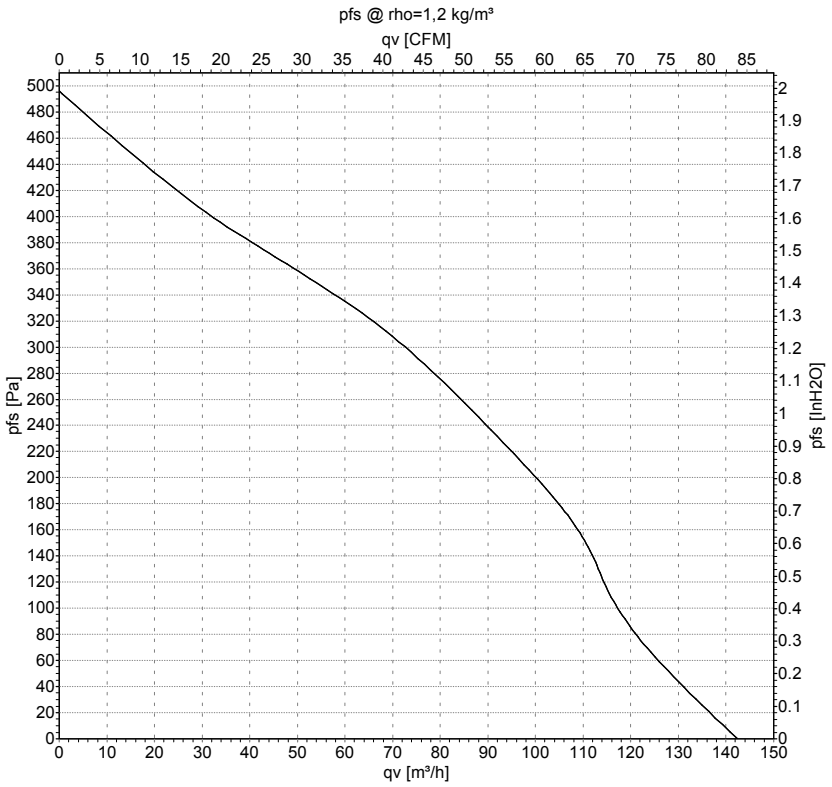
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Curves: Air performance 50 Hz



Measurement: LU-43754-1

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

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