G1G126-AA49-78

EC centrifugal fan

forward curved, single inlet

with housing (flange), Gas blower for gas-condensing heating



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Nominal data

Type	**G1G126-AA49-78**	
Motor	**M1G055-BD**	
Phase		1~
Nominal voltage	VAC	230
Frequency	Hz	50
Type of data definition		-
State		prelim.
Speed	min^{-1}	5000
Power input	W	75
Current draw	A	0.5
Min. ambient temperature	°C	-25
Max. ambient temperature	°C	70

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	1.4 kg
Size	126 mm
Material of protective cover	PP plastic
Material of impeller	PA plastic
Housing material	Die-cast aluminium
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 20
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
Premix	Not suitable for pre-mixture.
Motor bearing	Ball bearing
Technical features	- Tach output - Motor current limit - PWM control input
Touch current acc. IEC 60990 (measuring network 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)
Product conforming to standard	EN 60335-1

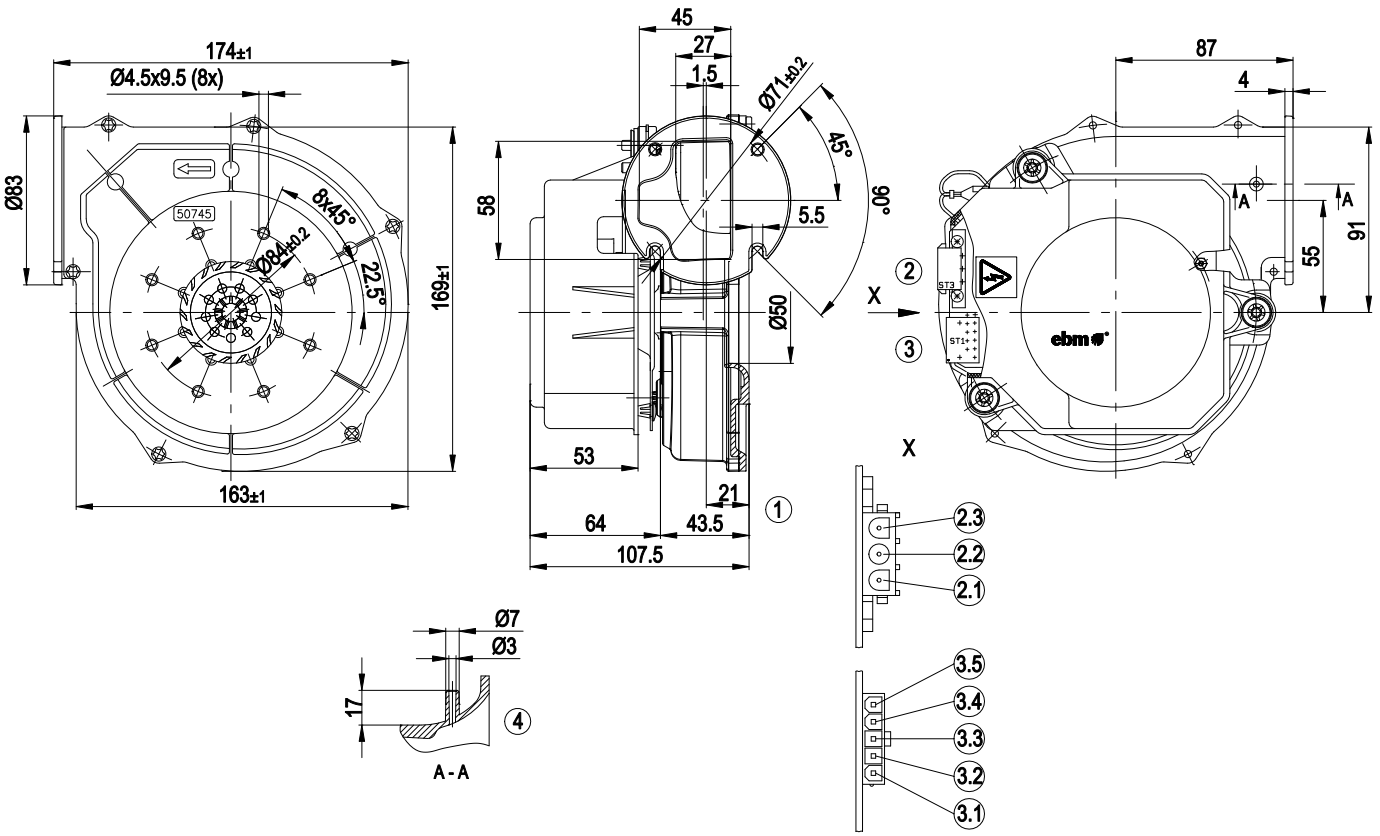
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Product drawing



1	Housing side parts sealed with NBR round cord (pentane-resistant)
2	3-pole pin socket; mating connector (not included in standard scope of delivery): Inarca No. 6490020700; female connector: tyco No. 926 884-1
2.1	L
2.2	N
2.3	PE
3	5-pole strip; mating connector (not included in standard scope of delivery): Lonco No. TJC4203-5AW; female connector: Molex No. 39-00-0059
3.1	(+)
3.2	Speed monitoring
3.3	Not assigned
3.4	PWM input
3.5	(-) GND
4	Bleeder connection for pressure relief possible

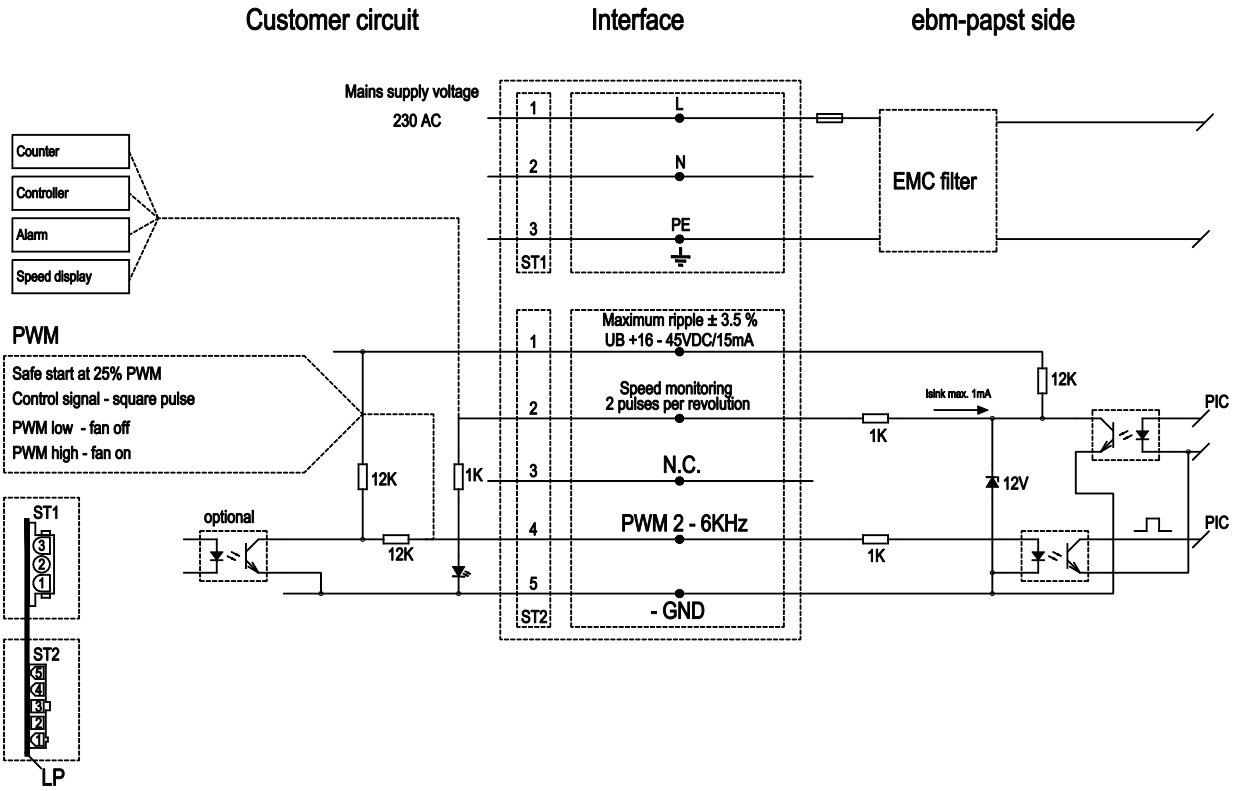
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Connection screen



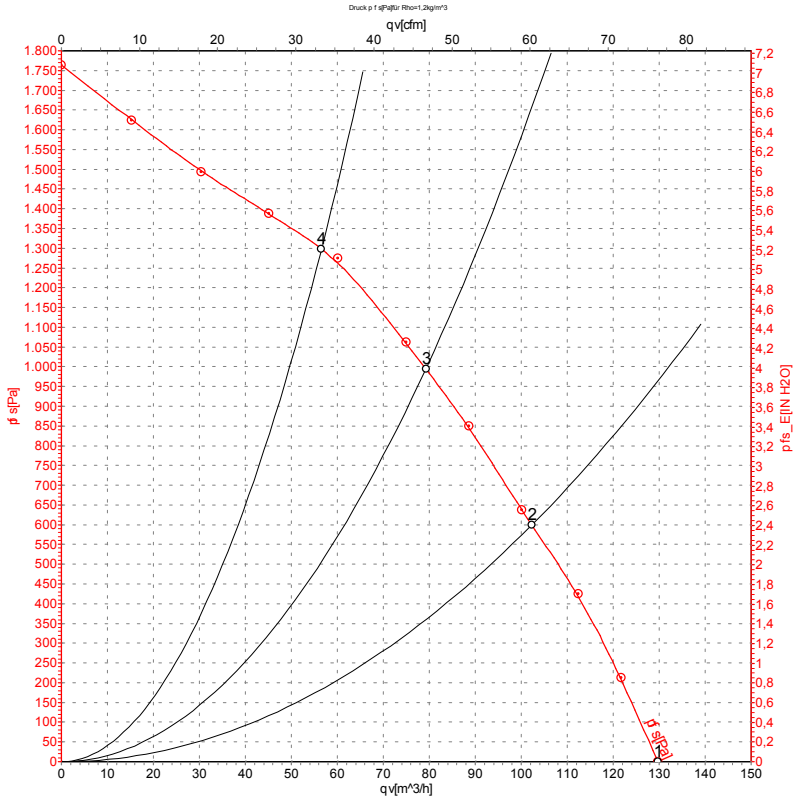
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Charts: Air flow 50 Hz



Measurement: LU-109711

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_{ed}	I	qv	p_{fs}
	V	Hz	min^{-1}	W	A	m^3/h	Pa
1	230	50	5000	75	0.50	130	0
2	230	50	5520	67	0.47	100	600
3	230	50	5860	61	0.42	80	1000
4	230	50	6165	53	0.36	55	1300

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

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