G1G126-AB37-68

EC centrifugal fan

forward-curved, single-intake

with housing (flange)

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Nominal data

Type	**G1G126-AB37-68**	
Motor	**M1G055-AI**	
Nominal voltage	VAC	24
Nominal voltage range	VAC	18 .. 28
Frequency	Hz	50
Method of obtaining data		fa
Speed (rpm)	min^{-1}	3250
Power consumption	W	22
Current draw	A	1.31
Min. back pressure	Pa	0
Min. back pressure	in. wg	0
Max. ambient temperature	°C	70
Max. temp. of flow medium	°C	80

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	1.3 kg
Size	126 mm
Motor size	55
Rotor surface	Thick-film passivated
Cover material	PP plastic
Impeller material	PA plastic
Housing material	Die-cast aluminum
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	Any
Condensation drainage holes	None
Cooling hole/opening	On rotor side
Mode	S1
Premixing	Not suitable for premixing.
Motor mounting	Ball bearing
Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system)	<= 0.25 mA
Motor protection	Reverse polarity and locked-rotor protection
With cable	Variable
Conformity with standards	EN 60335-1
Comment	Complete unit must be tested for required approvals.

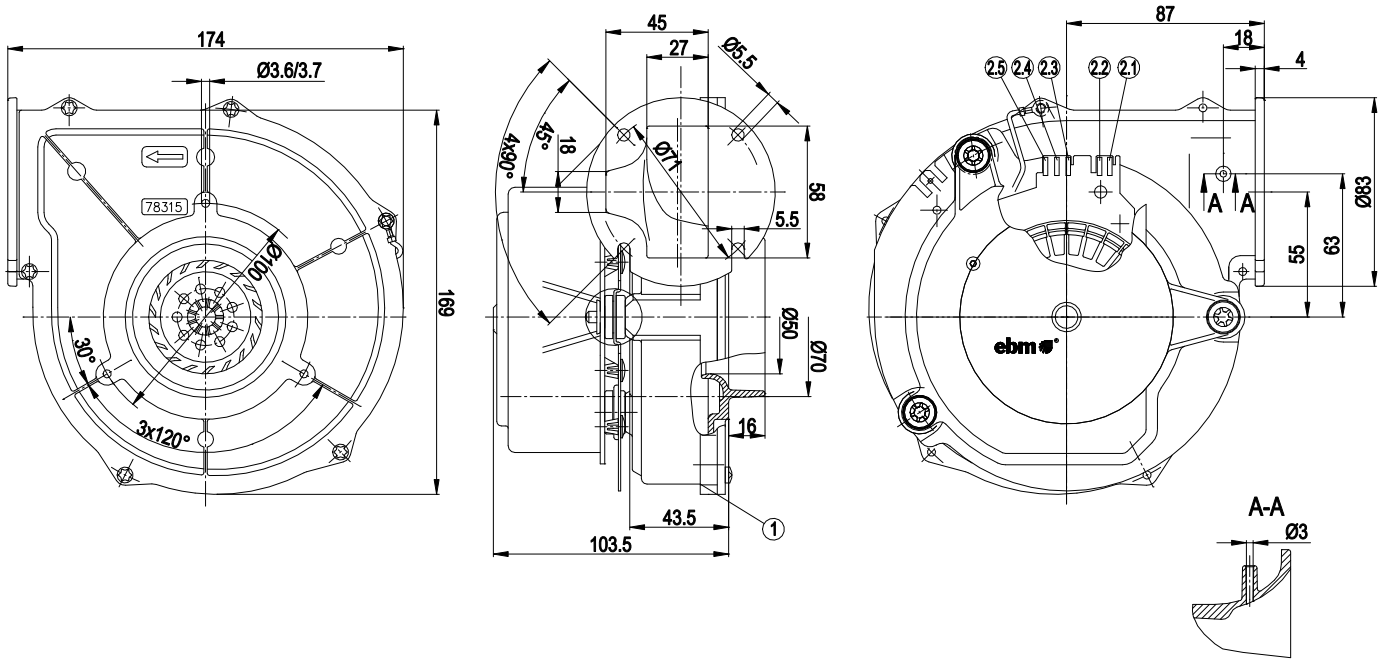
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Product drawing



1	Housing side parts sealed with NBR edge cord (pentane-resistant)
2.1	UN +24 VDC
2.2	UN +24 VDC
2.3	GND
2.4	PWM
2.5	Speed monitoring

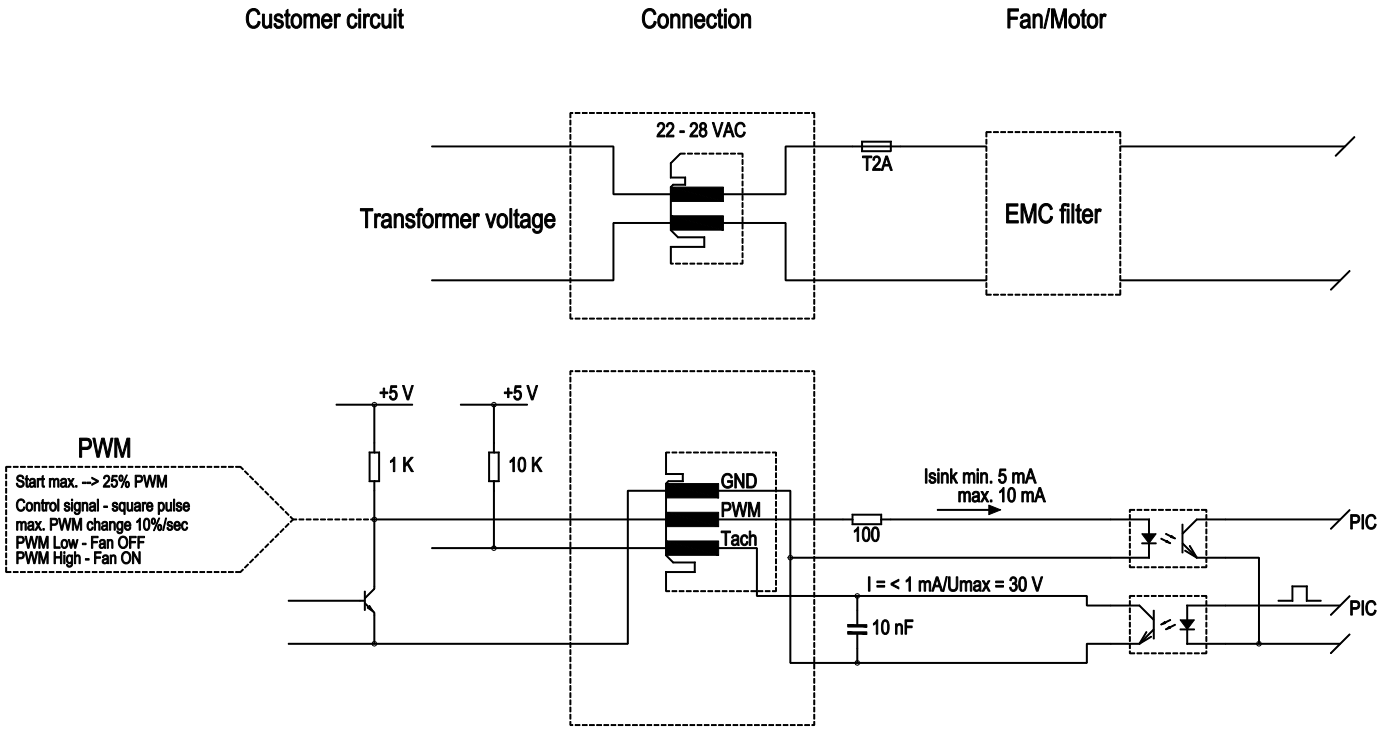
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Connection diagram



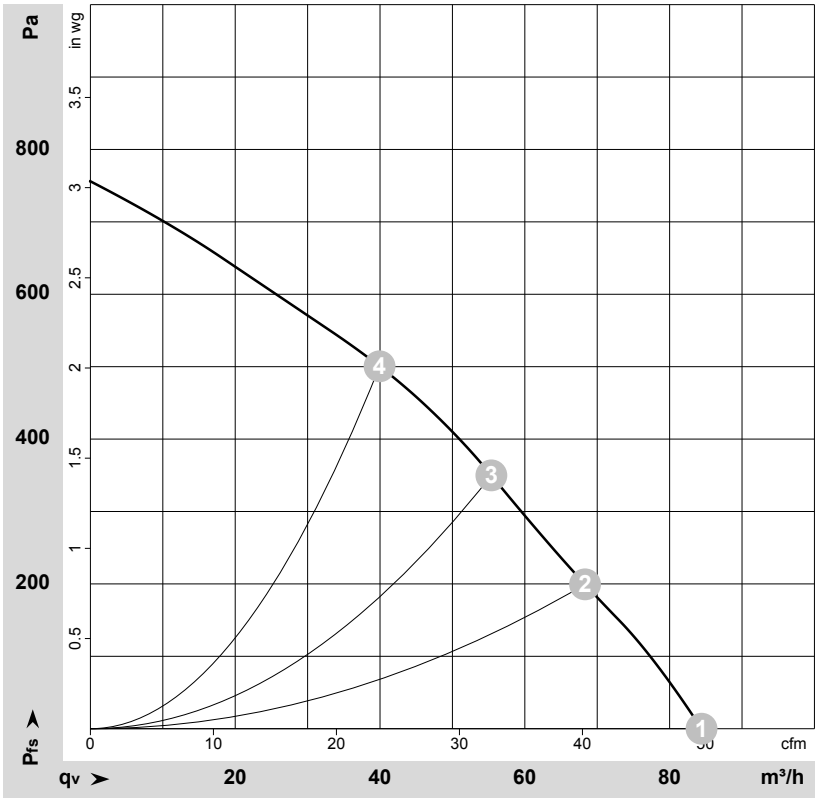
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Curves: Air performance 50 Hz



ρ = 1.15 kg/m³ ± 2 %

Measurement: LU-36927-1

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.

Measured values

	U	f	n	P_{ed}	I	q_V	p_{fs}	q_V	p_{fs}
	V	Hz	min^{-1}	W	A	m^3/h	Pa	cfm	in. wg
1	24	50	3250	22	1.31	85	0	50	0.00
2	24	50	3500	20	1.21	70	200	40	0.80
3	24	50	3675	19	1.15	55	350	30	1.41
4	24	50	3960	18	1.07	40	500	25	2.01

U = Power supply · f = Frequency · n = Speed (rpm) · P_{ed} = Power consumption · I = Current draw · q_V = Air flow · p_{fs} = Pressure increase

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