G1G126-AB15-34

EC centrifugal fan

forward-curved, single-intake

with housing (flange), Gas blower for condensing boilers

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Nominal data

Type	**G1G126-AB15-34**	
Motor	**M1G055-AI**	
Nominal voltage	VDC	39
Nominal voltage range	VDC	26 .. 45
Method of obtaining data		fa
Speed (rpm)	min^{-1}	3150
Power consumption	W	20
Current draw	A	0.5
Min. ambient temperature	°C	-25
Max. ambient temperature	°C	70

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	1.5 kg
Fan size	126 mm
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"
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 bearing	Ball bearing
Technical features	- Tach output - Motor current limitation - PWM control input
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.

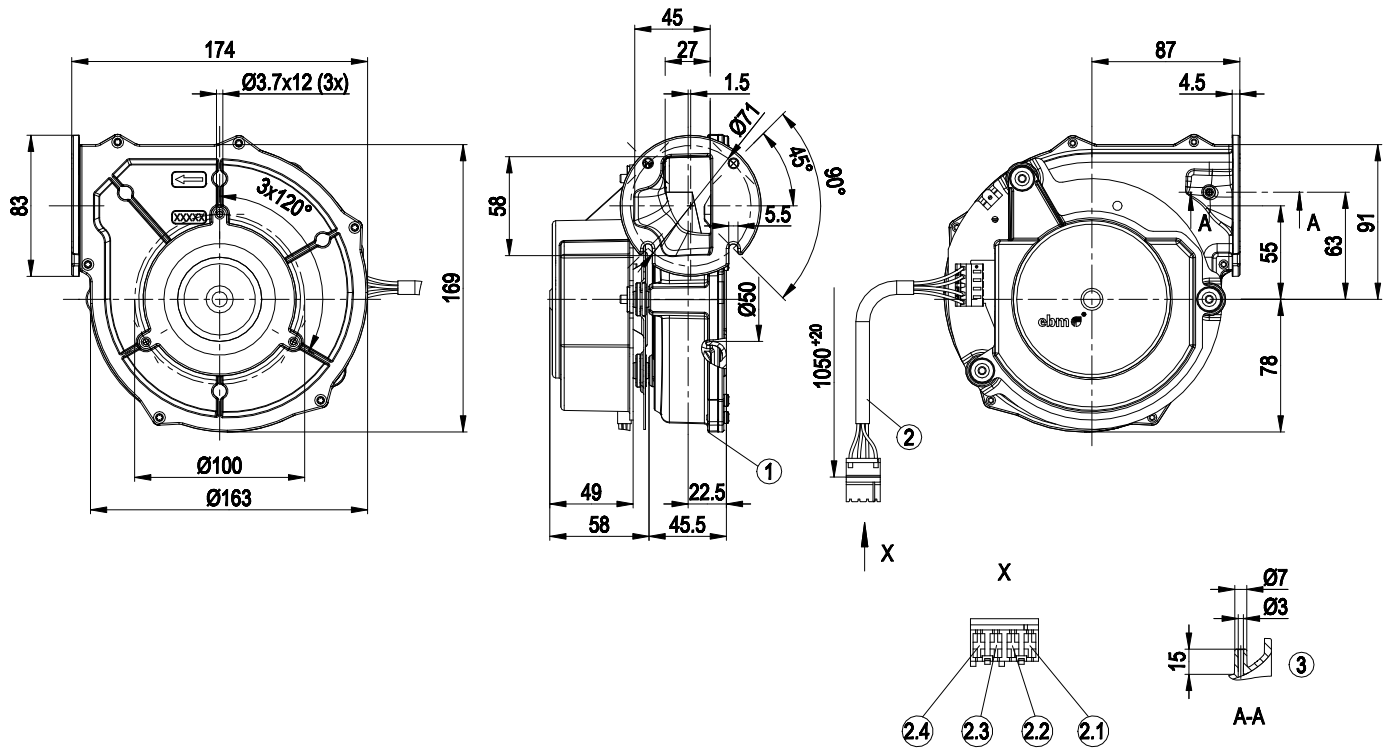
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Product drawing



1	Housing side parts sealed with NBR edge cord (pentane-resistant)
2	Cable PVC AWG20, with connector housing AMP 927158-1 and 4x receptacle AMP 926770-1 crimped
2.1	- (blue)
2.2	Speed monitoring (white)
2.3	PWM input (black)
2.4	+ (red)

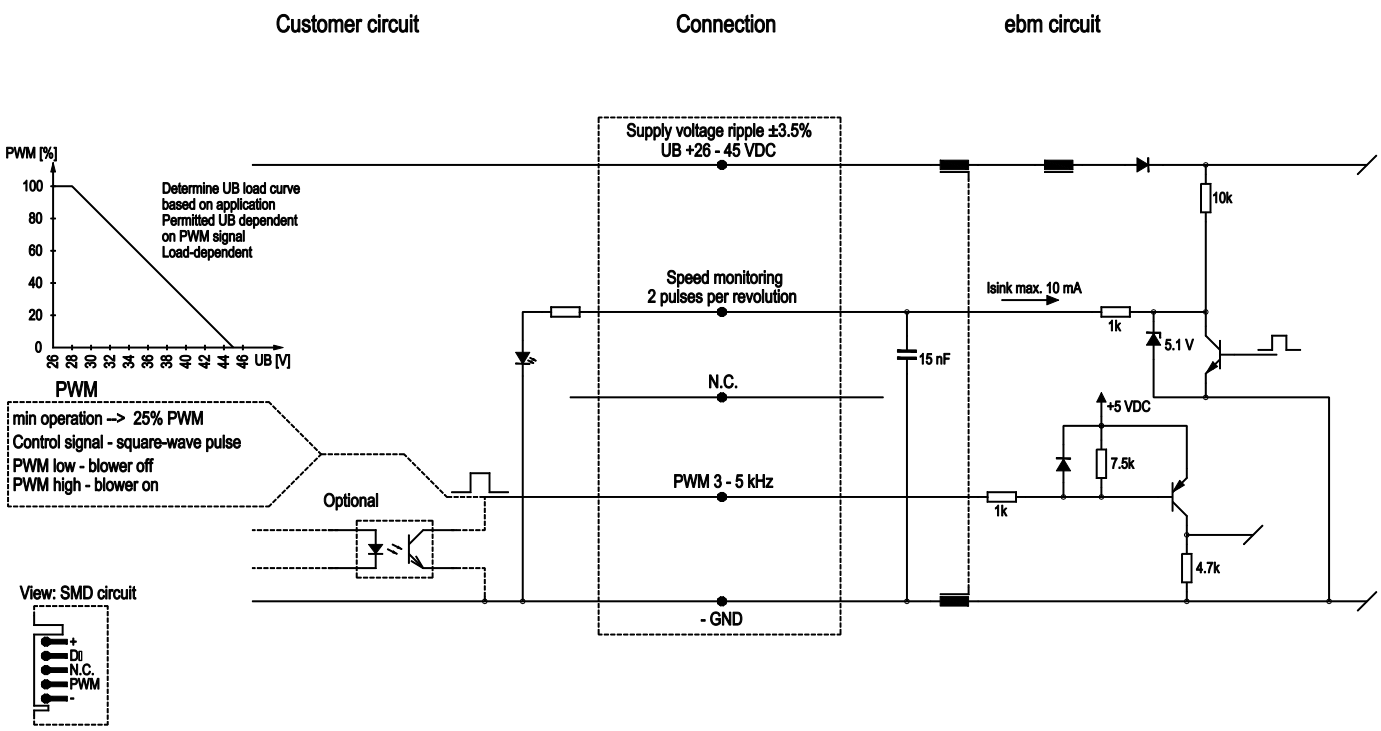
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Connection diagram



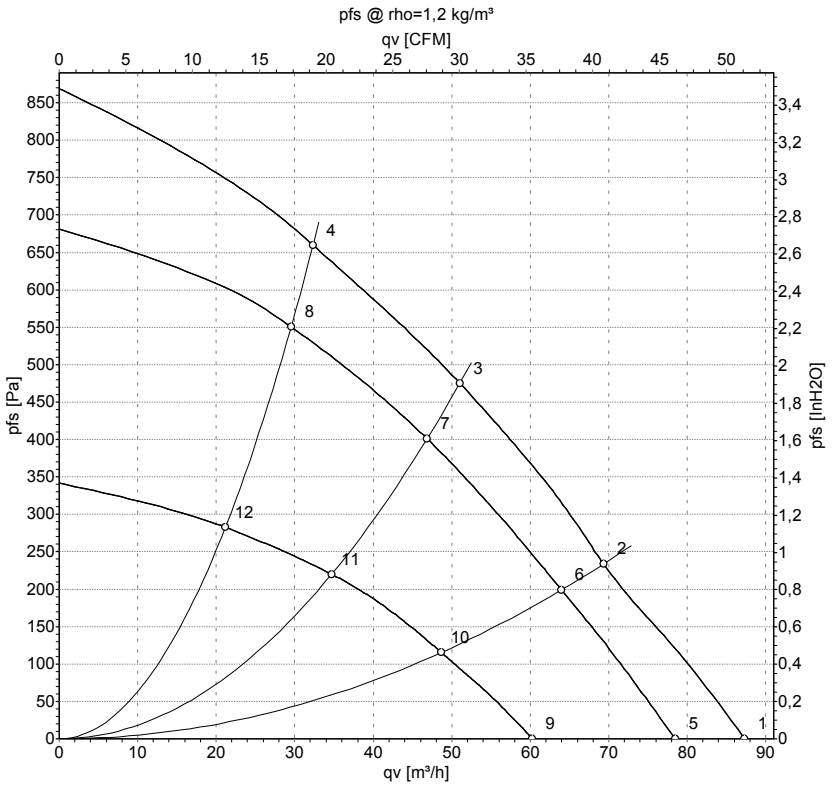
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Curves: Air performance



Measurement: LU-26092-1
Measurement: LU-26090-1
Measurement: LU-26091-1

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	n	P_{ed}	I	qv	p_{fs}	qv	p_{fs}
	V	min^{-1}	W	A	m^3/h	Pa	CFM	inH2O
1	45	3465	27	0.59	85	0	50	0.00
2	45	3685	23	0.52	70	232	40	0.93
3	45	3990	20	0.45	50	475	30	1.91
4	45	4365	17	0.41	30	660	20	2.65
5	39	3150	20	0.50	80	0	45	0.00
6	39	3395	18	0.46	65	200	40	0.80
7	39	3660	16	0.42	45	400	30	1.61
8	39	3985	15	0.39	30	550	20	2.21
9	26	2455	10.0	0.40	60	0	35	0.00
10	26	2585	10.0	0.39	50	115	30	0.46
11	26	2725	10.0	0.37	35	220	20	0.88
12	26	2865	9.0	0.34	20	283	10	1.14

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

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