

G2E140-AL40-01

AC centrifugal fan

forward-curved, single-intake
with housing (flange), for solid fuel boilers



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Amtsgericht (court of registration) Stuttgart · HRB 590142

Nominal data

Type	G2E140-AL40-01		
Motor	M2E068-CF		
Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz	50	60
Method of obtaining data		fa	ml
Valid for approval/standard		CE	CE
Speed (rpm)	min ⁻¹	1650	1700
Power consumption	W	135	145
Current draw	A	0.60	0.64
Capacitor	µF	2	2
Capacitor voltage	VDB	450	450
Capacitor standard		P0 (CE)	P0 (CE)
Min. back pressure	Pa	0	100
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	60	40

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	3.0 kg
Motor size	140 mm
Impeller material	Sheet steel, hot-dip galvanized
Housing material	Die-cast aluminum
Direction of rotation	Clockwise, viewed toward rotor
Degree of protection	IP 44
Insulation class	«B»
Moisture protection class	F0
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	—
Mode	S1
Motor bearing for motor	Ball bearing
Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system)	< 0.75 mA
Motor protection	Thermal overload protector (TOP) internally connected
Protection class	I (with customer connection of protective earth)
Conformity with standards	EN 60335-1; CE
Approval	GOST; CCC

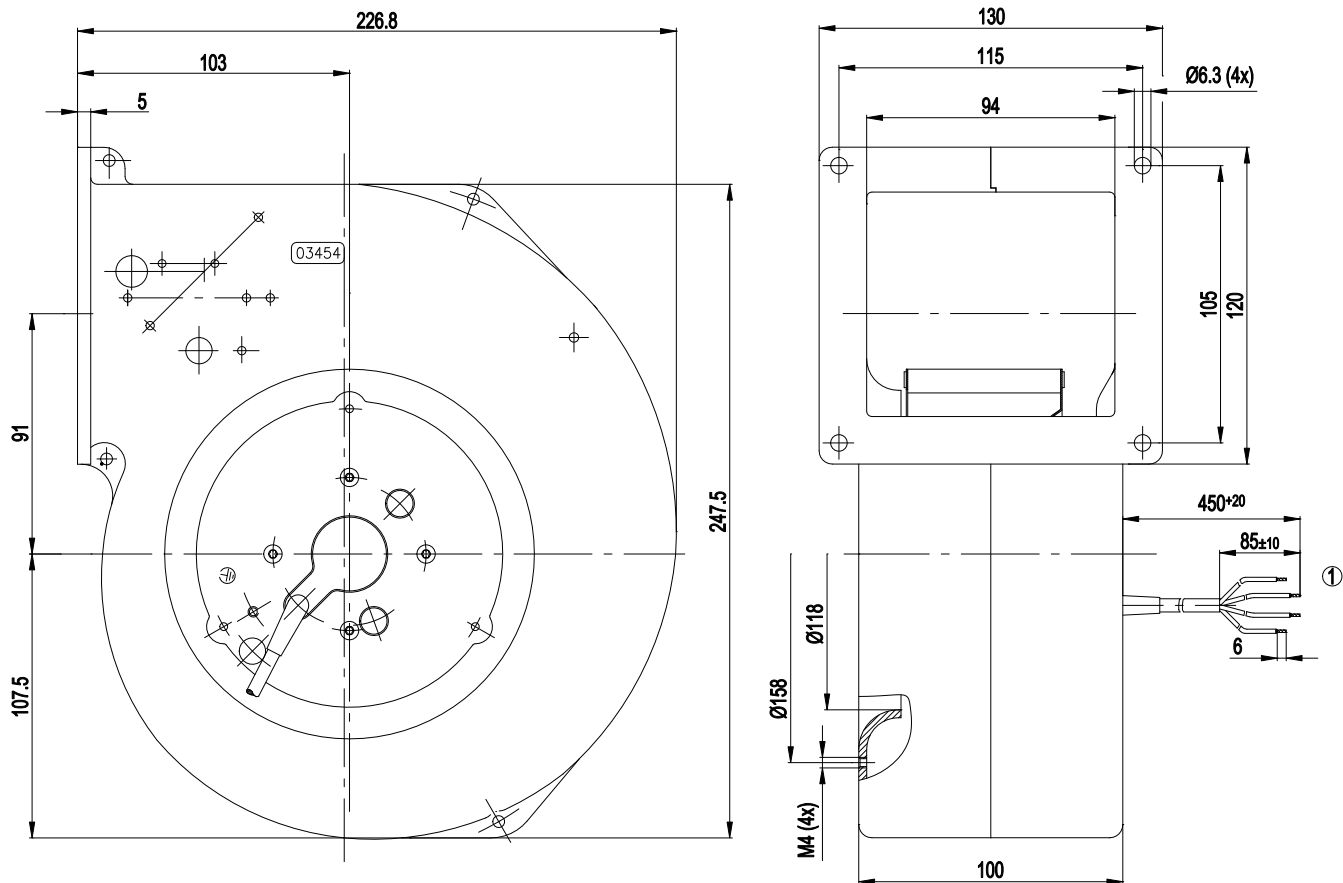


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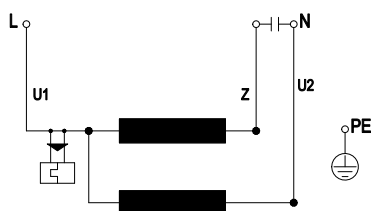
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Product drawing



1 Connection cable PVC 4G 0,5 mm²

Connection diagram



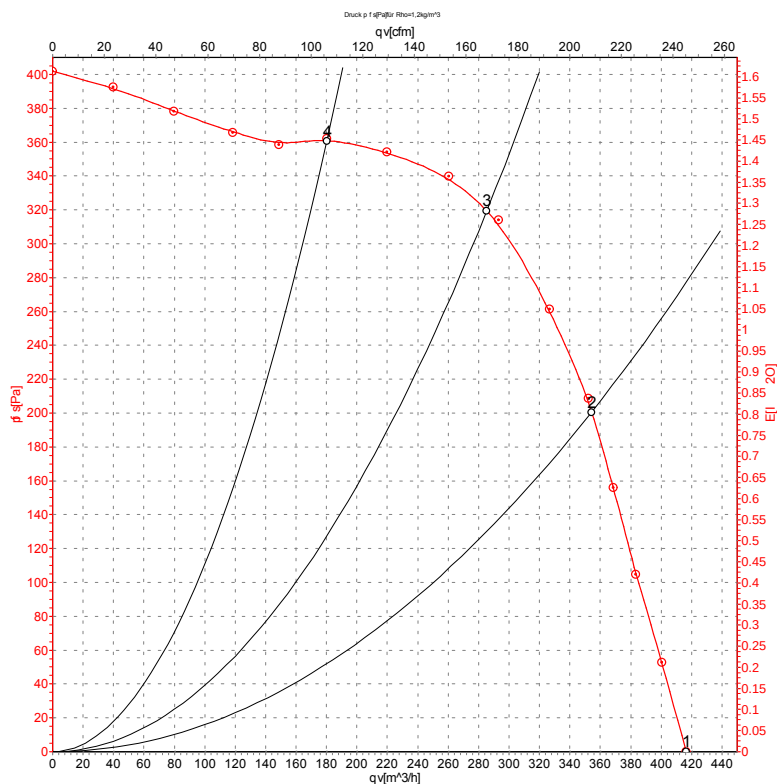
U1	blue	Z	brown	U2	black
PE	green/yellow				



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Curves: Air performance 50 Hz



Measurement: LU-105094

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 must be checked in the installed unit.

Measured values

	U	f	n	P _e	I	qv	p _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	230	50	1650	135	0.60	415	0
2	230	50	2095	111	0.48	355	200
3	230	50	2350	98	0.43	285	320
4	230	50	2590	81	0.35	180	360

U = Power supply · f = Frequency · n = Speed (rpm) · P

e = Power consumption · I = Current draw · qv = Air flow · p

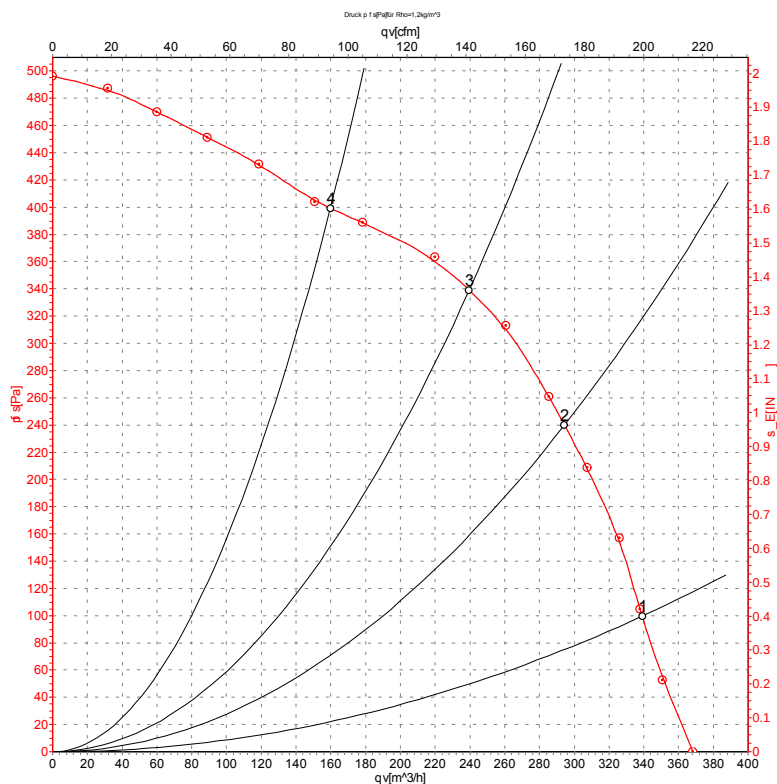
fs = Pressure increase



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Curves: Air performance 60 Hz



Measurement: LU-105095

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 must be checked in the installed unit.

Measured values

	U	f	n	P _e	I	q _v	p _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	230	60	1700	145	0.64	340	100
2	230	60	2100	129	0.56	295	240
3	230	60	2425	123	0.54	240	340
4	230	60	2775	115	0.50	160	400

U = Power supply · f = Frequency · n = Speed (rpm) · P

e = Power consumption · I = Current draw · q_v = Air flow · p

f_s = Pressure increase

