

AC centrifugal fan

forward-curved, single-intake
with housing (without flange)

G2E133-DD68-15 ebmpapst Datasheet
sales@fansco.com
www.fansco.com

Nominal data

Type	G2E133-DD68-15	
Motor	M2E052-CA	
Phase		1~
Nominal voltage	VAC	-
Nominal voltage range	VAC	220 .. 240
Frequency	Hz	50
Method of obtaining data		fa
Valid for approval/standard		CE
Speed (rpm)	min ⁻¹	1400
Power consumption	W	40
Current draw	A	0.17
Capacitor	µF	1.5
Capacitor voltage	VDB	400
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



AC centrifugal fan

forward-curved, single-intake
with housing (without flange)

Technical description

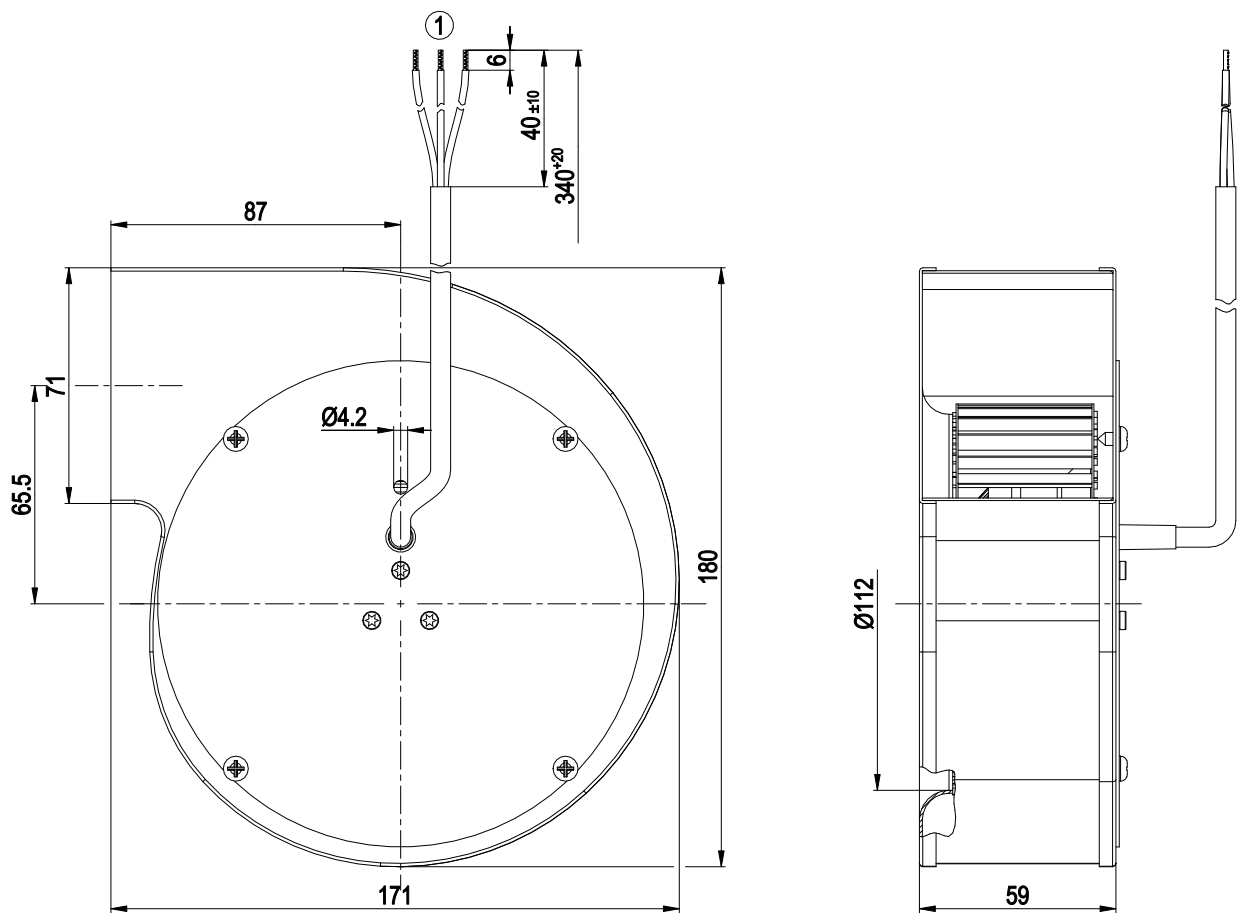
Weight	1.4 kg
Fan size	133 mm
Rotor surface	Unpainted
Impeller material	Sheet steel, galvanized
Housing material	Sheet steel, galvanized
Direction of rotation	Clockwise, viewed toward rotor
Degree of protection	IP44; installation- and position-dependent
Insulation class	"B"
Max. permitted ambient temp. for motor (transport/storage)	+ 80 °C
Min. permitted ambient temp. for motor (transport/storage)	- 40 °C
Installation position	Any
Condensation drainage holes	None
Mode	S1
Motor bearing	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
With cable	Variable
Protection class	I (if protective earth is connected by customer to the housing's connection point)
Conformity with standards	EN 60335-1; CE



AC centrifugal fan

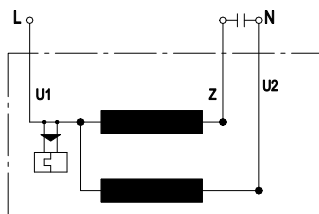
forward-curved, single-intake
with housing (without flange)

Product drawing



1 Cable PVC 3x 0.5 mm², 3x crimped splices

Connection diagram



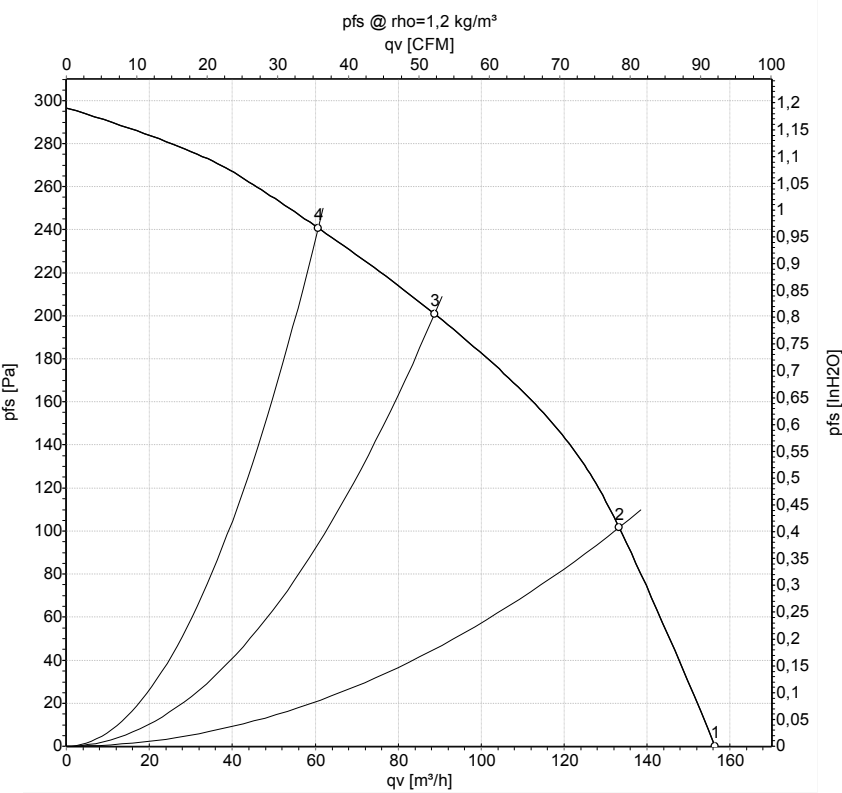
U1	blue	Z	brown	U2	black
----	------	---	-------	----	-------



AC centrifugal fan

forward-curved, single-intake
with housing (without flange)

Curves: Air performance 50 Hz



Measurement: LU-47641-1

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 _e	I	q _v	p _{fs}	q _v	p _{fs}
	V	Hz	min ⁻¹	W	A	m ³ /h	Pa	cfm	in. wg
1	230	50	1400	40	0.17	155	0	90	0.00
2	230	50	1750	35	0.16	135	100	80	0.40
3	230	50	2250	31	0.15	90	200	50	0.80
4	230	50	2425	30	0.15	60	240	35	0.96

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

