G2E140-AG02-78

AC centrifugal fan

forward curved, single inlet

with housing (flange)

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Nominal data

Type	**G2E140-AG02-78**	
Motor	**M2E068-DF**	
Phase		1~
Nominal voltage	VAC	230
Frequency	Hz	50
Type of data definition		ml
Valid for approval / standard		CE
Speed	min^{-1}	2000
Power input	W	200
Current draw	A	0.88
Motor capacitor	µF	4
Capacitor voltage	VDB	400
Capacitor standard		P2 (CE)
Min. back pressure	Pa	100
Min. ambient temperature	°C	-
Max. ambient temperature	°C	50
Starting current	A	1.2

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	3.5 kg
Size	140 mm
Surface of rotor	Coated in black
Material of protective cover	Sheet steel, thick-film-passivated
Material of impeller	Aluminium sheet, coated in black
Housing material	Die-cast aluminium, coated in black
Direction of rotation	Counter-clockwise, seen on rotor
Type of protection	IP 20
Insulation class	"F"
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, open rotor
Operation mode	S1
Motor bearing	Ball bearing
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)	< 0.75 mA
Electrical leads	Via terminals, capacitor connected via terminals
Motor protection	Thermal overload protector (TOP) wired internally
Protection class	I (if protective earth is connected by customer at the connection point of the housing)
Product conforming to standard	EN 60335-1; CE

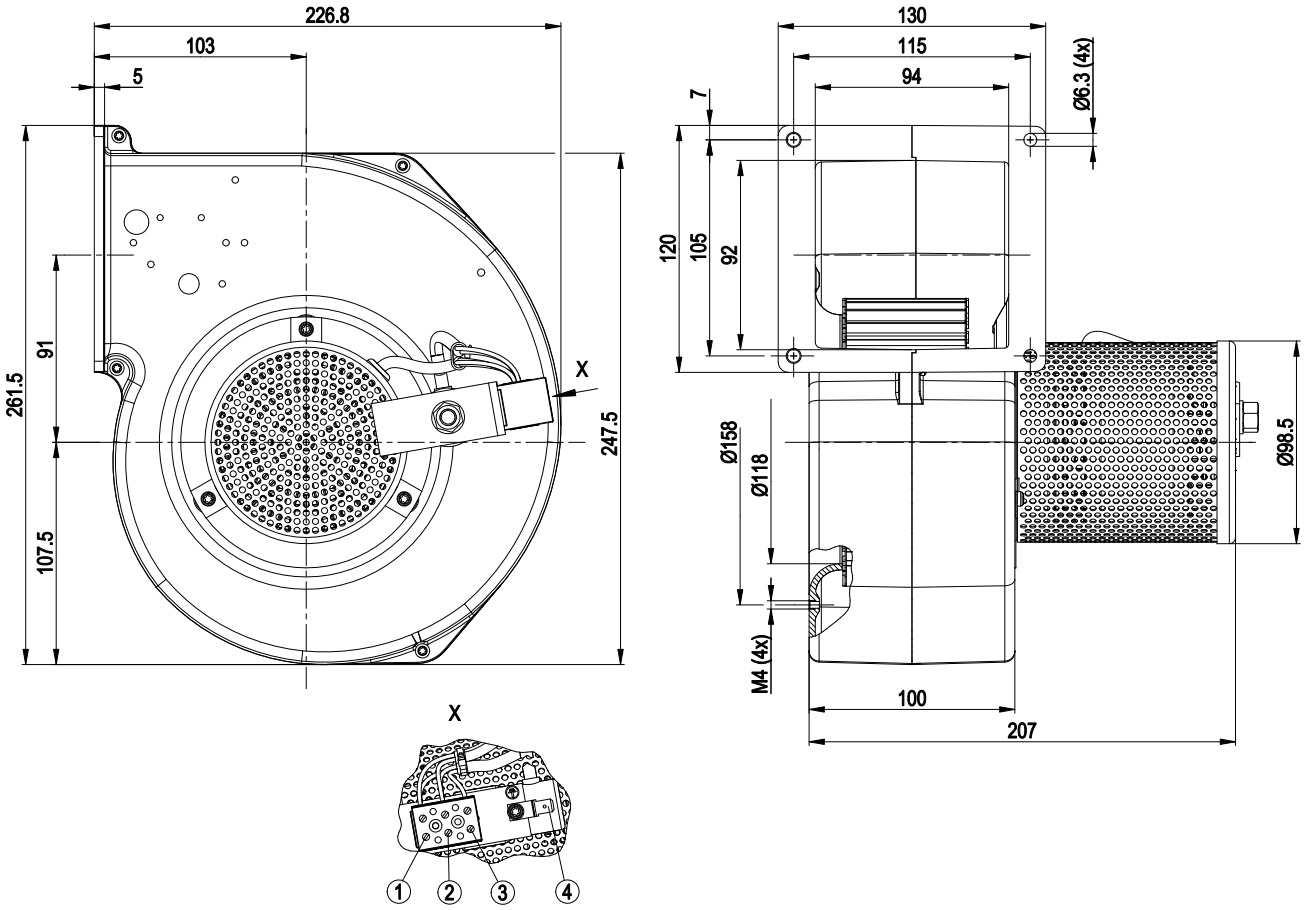
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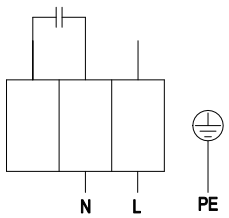
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Product drawing



1	brown + capacitor
2	N (black + capacitor)
3	L (blue)
4	Flat plug 6.3 x 0.8 (PE)

Connection screen



L	blue	N	black

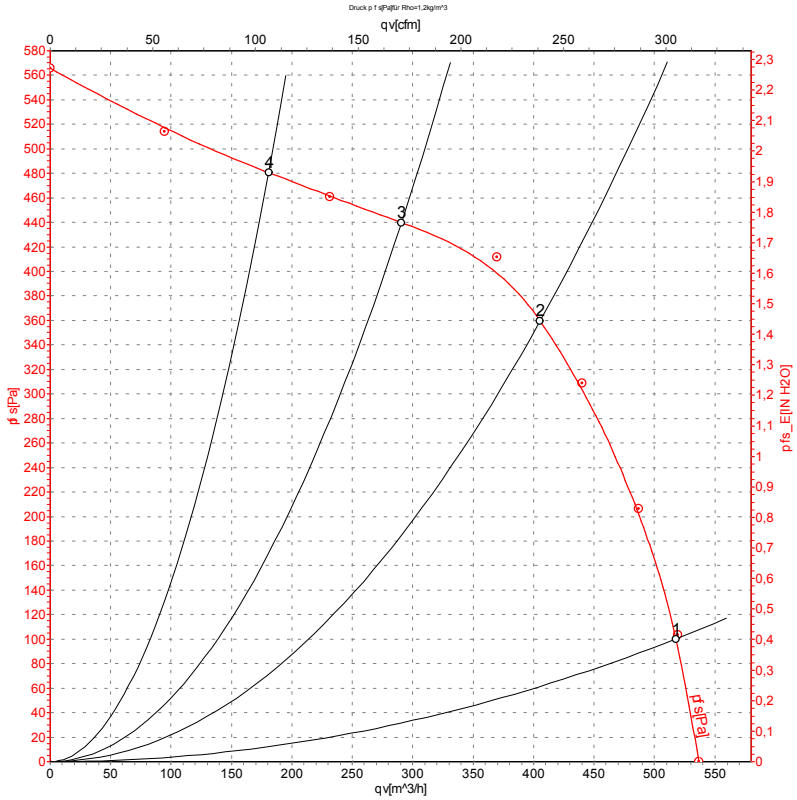
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Charts: Air flow 50 Hz



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_e	I	qv	p_{fs}
	V	Hz	min^{-1}	W	A	m^3/h	Pa
1	230	50	2000	200	0.88	520	100
2	230	50	2450	152	0.66	405	360
3	230	50	2640	122	0.54	290	440
4	230	50	2755	101	0.44	180	480

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

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