

G2E140-NL33-01

AC centrifugal fan

forward curved, single inlet

with housing (flange)



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Nominal data

Type	G2E140-NL33-01		
Motor	M2E068-CF		
Phase		1~	1~
Nominal voltage	V	230	230
Frequency	Hz	50	60
Type of data definition		rfa	ml
Valid for approval / standard		CE	CE
Speed	min ⁻¹	2000	2150
Power input	W	137	155
Current draw	A	0.6	0.68
Motor capacitor	µF	3	3
Capacitor voltage	VDB	400	400
Capacitor standard		P0 (CE)	P0 (CE)
Min. back pressure	Pa	0	130
Max. ambient temperature	°C	50	40

ml = max. load · me = max. efficiency · rfa = running at free air · cs = customer specs · cu = customer unit
Subject to alterations

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Technical features

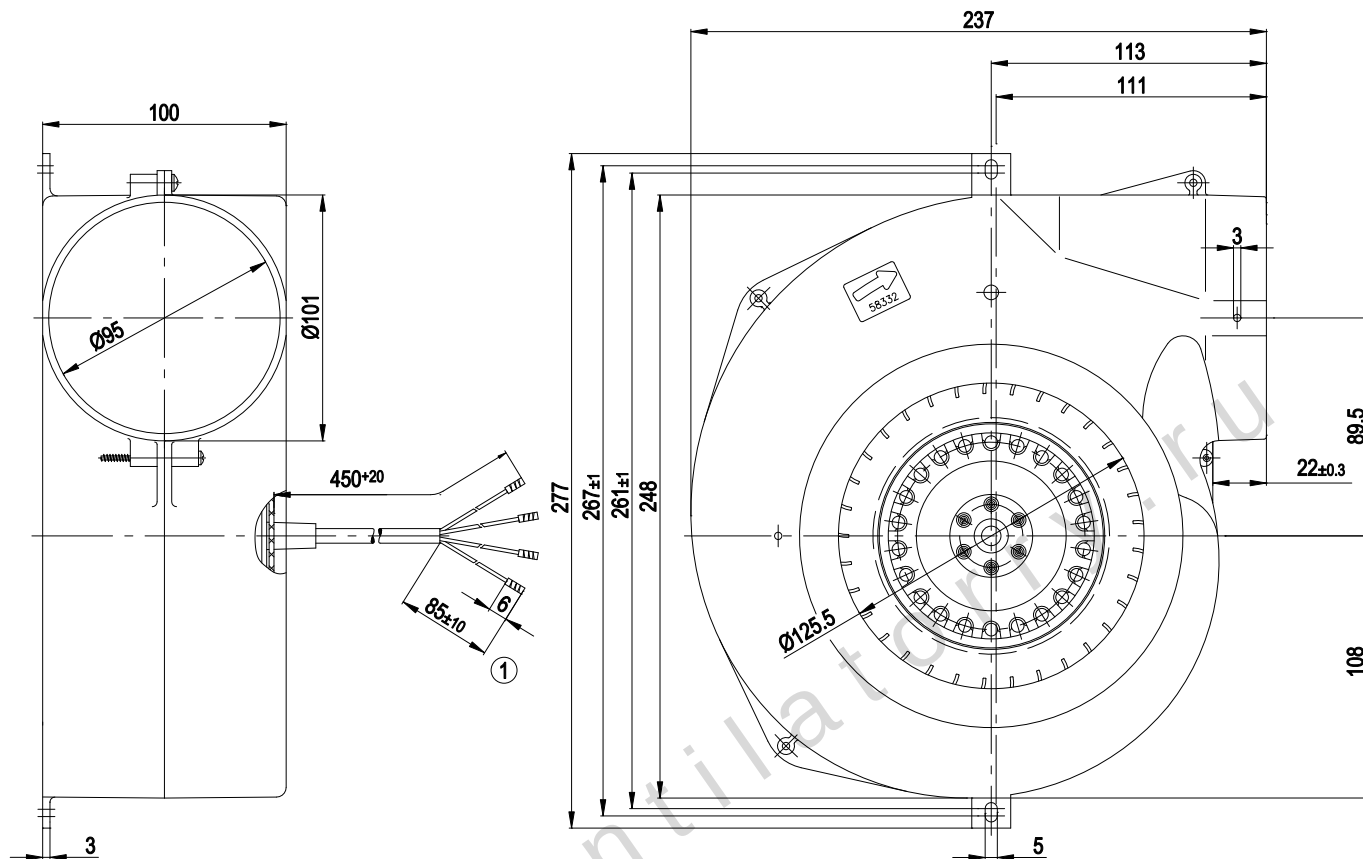
Leakage current	< 0.75 mA
Size	140 mm
Operation mode	S1
Direction of rotation	Clockwise, seen on rotor
Mounting position	Any
Humidity class	F0
Insulation class	"B"
Cable exit	Variable
Condensate discharge holes	None
Motor bearing	Ball bearing
Mass	2.09 kg
Housing material	Heat-resistant plastic
Material of impeller	PP-TV40 plastic
Motor protection	Thermal overload protector (TOP) wired internally
Product conforming to standard	CE; EN 60335-1
Surface of rotor	Partially cast in aluminium
Type of protection	IP 44; Depending on installation and position
Protection class	I
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Approval	CCC; GOST

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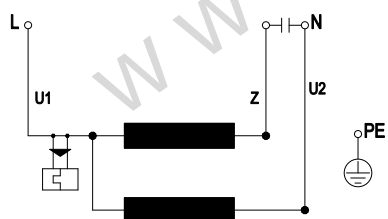
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Product drawing



1 Connection line PVC 4 x 0.5 mm²; 4 x brass lead tips crimped

Connection screen



U1	blue	Z	brown	U2	black
PE	green/yellow				

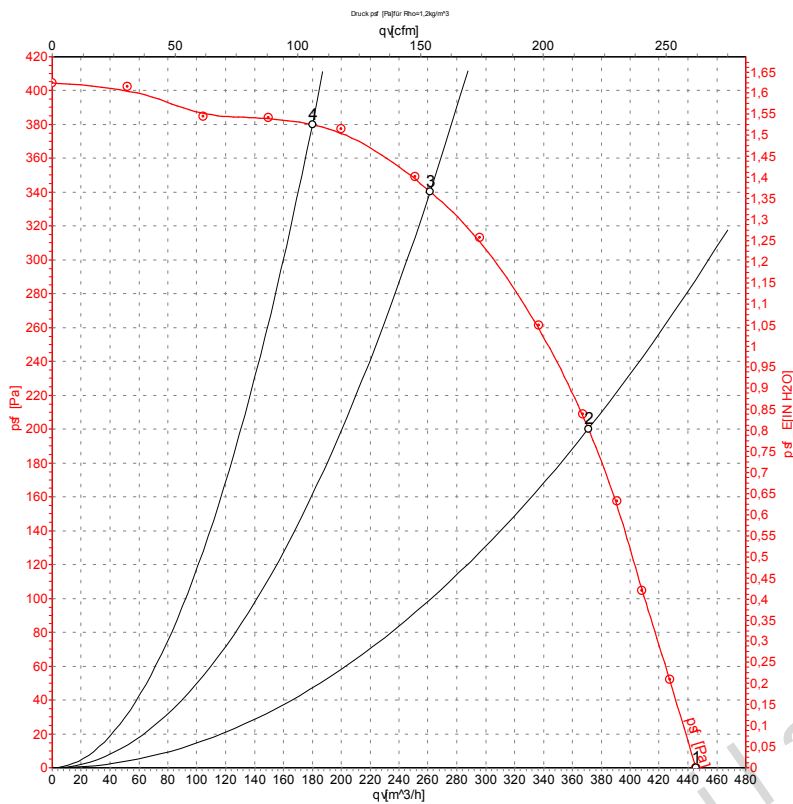
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Charts: Air flow 50 Hz



Measurement: LU-63084

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: L_{WA} measured as per ISO 13347 / L_{pA} 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 ₁	I	qv	p _{st}
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	230	50	2000	137	0.60	445	0
2	230	50	2280	120	0.52	370	200
3	230	50	2540	98	0.43	260	340
4	230	50	2665	86	0.37	180	380

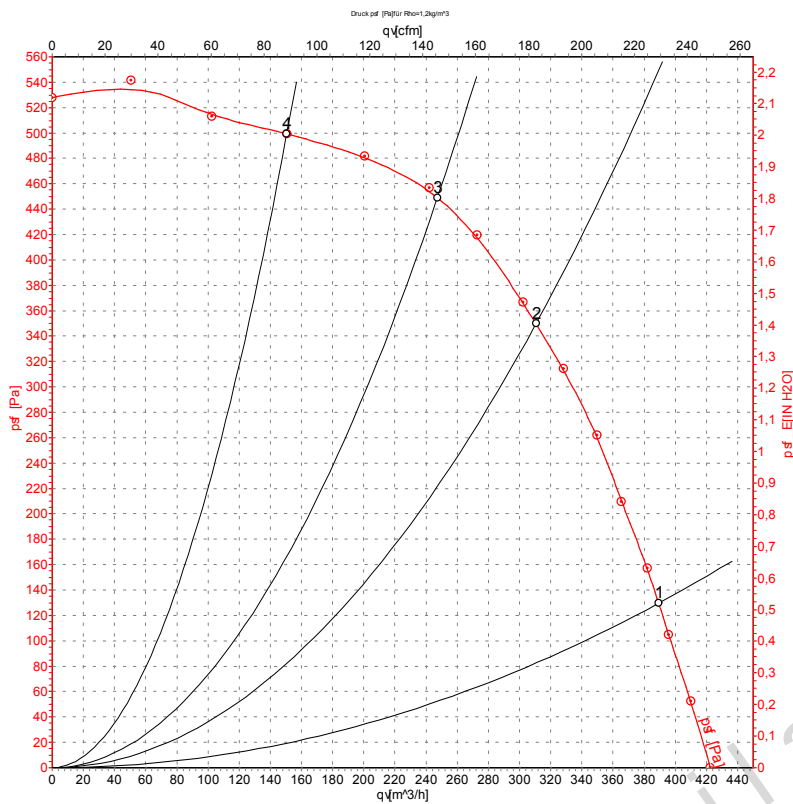
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Charts: Air flow 60 Hz



Measurement: LU-63086

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: L_{WA} measured as per ISO 13347 / L_{pA} 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 ₁	I	q _v	p _{sf}
	V	Hz	min ⁻¹	W	A	m ³ /h	Pa
1	230	60	2150	155	0.68	390	130
2	230	60	2600	138	0.60	310	350
3	230	60	2840	126	0.56	245	450
4	230	60	3090	110	0.49	150	500