

KARTA KATALOGOWA

G1G170-AB31-51

Wentylator promieniowy EC, łopatki zakrzywione do tyłu, jednostronnie ssący, z obudową (z kołnierzem), dmuchawa do gazowych kotłów

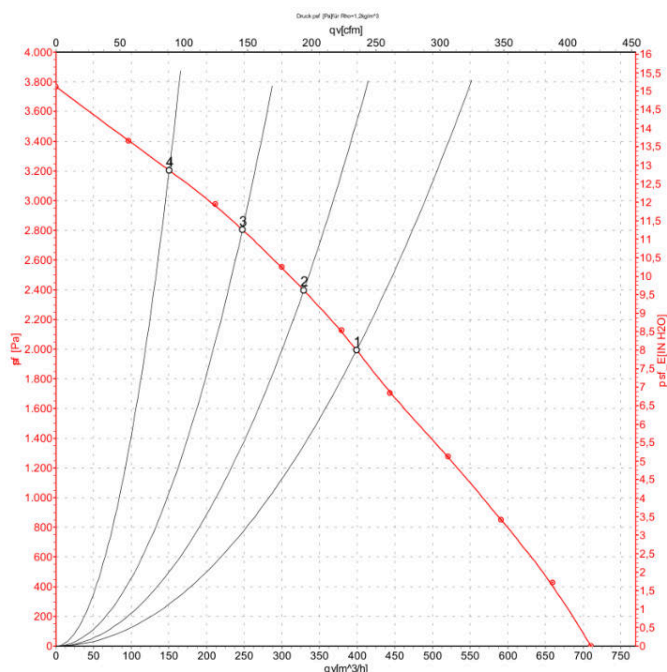
Producent: ebm-papst



Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 230 V	Wielkość	170 mm
Częstotliwość	50/60 Hz	Silnik	M1G074-CF
Prędkość obrotowa	6530 obr/min	Materiał wirnika	blacha aluminiowa
Pobór mocy	410 W	Obudowa	odlew aluminiowy
Pobór prądu	1,8 A	Kierunek obrotów	w prawo, patrząc na wirnik
Maks. wydajność	380 m³/h	Stopień ochrony	IP20
Maks. ciśnienie statyczne	3665 Pa	Klasa izolacji	B
Temperatura otoczenia	-25...+55 °C	Zabezpieczenie silnika	termik (TOP), podłączony wewnętrznie
Temperatura medium	-25...+80 °C	Łożyskowanie	kulkowe
Regulacja obrotów	PWM	Podłączenie	wtyczka
		Masa	4,7 kg

Charakterystyka przepływowa (50 Hz)

Charts: Air flow 50 Hz



Measurement: LU-56469

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.

Dane na okładce wg karty katalogowej producenta ebm-papst (oryginał na kolejnych stronach).
Wartości przy maksymalnym obciążeniu; producent zastrzega możliwość zmian.

Dobór, wycena i dostawa – zapytaj LUFTBERG

tel. +48 600 100 371 · tel. +48 604 959 199
biuro@luftberg.pl · www.luftberg.pl

G1G170-AB31-51

EC centrifugal fan

backward curved, single inlet

with housing (flange), Gas blower for gas-condensing heating


ebm-papst Landshut GmbH

Hofmark-Aich-Str. 25 · D-84030 Landshut

Phone +49 871 707-0

Fax +49 871 707-465

www.ebmpapst.com

Nominal data

Type	G1G170-AB31-51	
Motor	M1G074-CF	
Phase		1~
Nominal voltage	VAC	230
Frequency	Hz	50/60
Type of data definition		ml
Speed	min ⁻¹	6530
Power input	W	410
Current draw	A	1.8
Min. back pressure	Pa	2000
Min. ambient temperature	°C	- 25
Max. ambient temperature	°C	+55
Min. temp. of flow medium	°C	-25
Max. temp. of flow medium	°C	+80

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

Mass	4.7 kg
Size	170 mm
Surface of rotor	Coated in black
Material of protective cover	Polyflam RPP 374-ND CS1 (UL 97-V0)
Material of impeller	Aluminium sheet
Housing material	Die-cast aluminium
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 20
Insulation class	"B"
Max. permissible ambient motor temp. (transp./ storage)	+80 °C
Min. permissible ambient motor temp. (transp./storage)	-40 °C
Mounting position	Any
Cooling bore / aperture	Rotor-side
Motor bearing	Ball bearing
Technical features	- Tach output - Motor current limit - PFC, active - PWM control input - Over-temperature protected motor
EMC interference immunity	Acc. to EN 61000-6-2
EMC interference emission	Acc. to EN 61000-6-4 (industrial environment)
EMC harmonics	Acc. to EN 61000-3-2/3
Leakage current	<= 3.5 mA
Electrical leads	With plug
Motor protection	Thermal overload protector (TOP) wired internally
Product conforming to standard	CE
Approval	CSA C22.2 Nr.113; UL 507

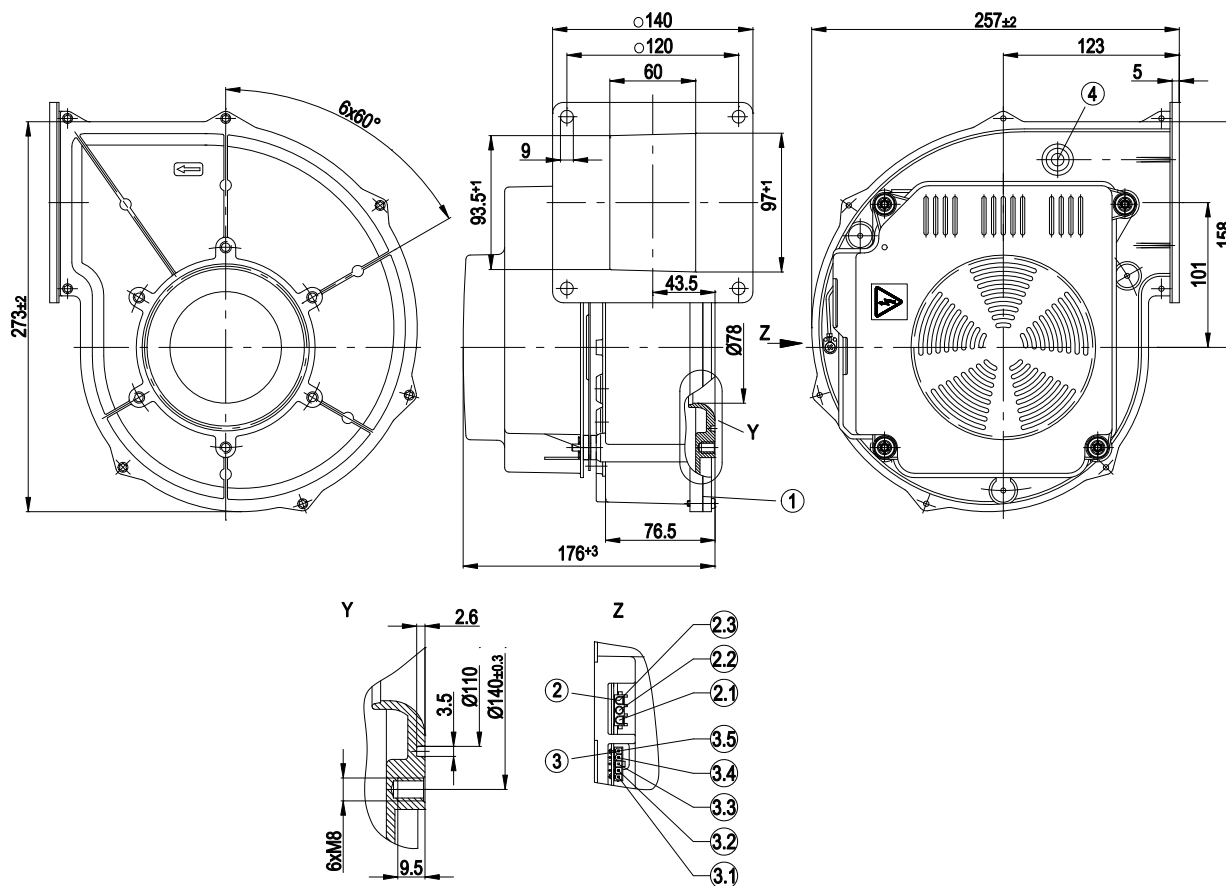
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Product drawing



1	Housing side parts sealed with NBR round cord (pentane-resistant)
2	3-pole strip; mating connector (not included in delivery): tyco No. 350 766-1; female connector: No. 926 884-1
2.1	L
2.2	N
2.3	PE
3	5-pole strip; mating connector (not included in delivery) Molex No. 39-01-4050, female connector Molex No. 39-00-0059
3.1	(+)
3.2	Speed monitoring
3.3	Not assigned
3.4	PWM input
3.5	(-)
4	Bleeder connection for pressure relief possible
Z	View Z

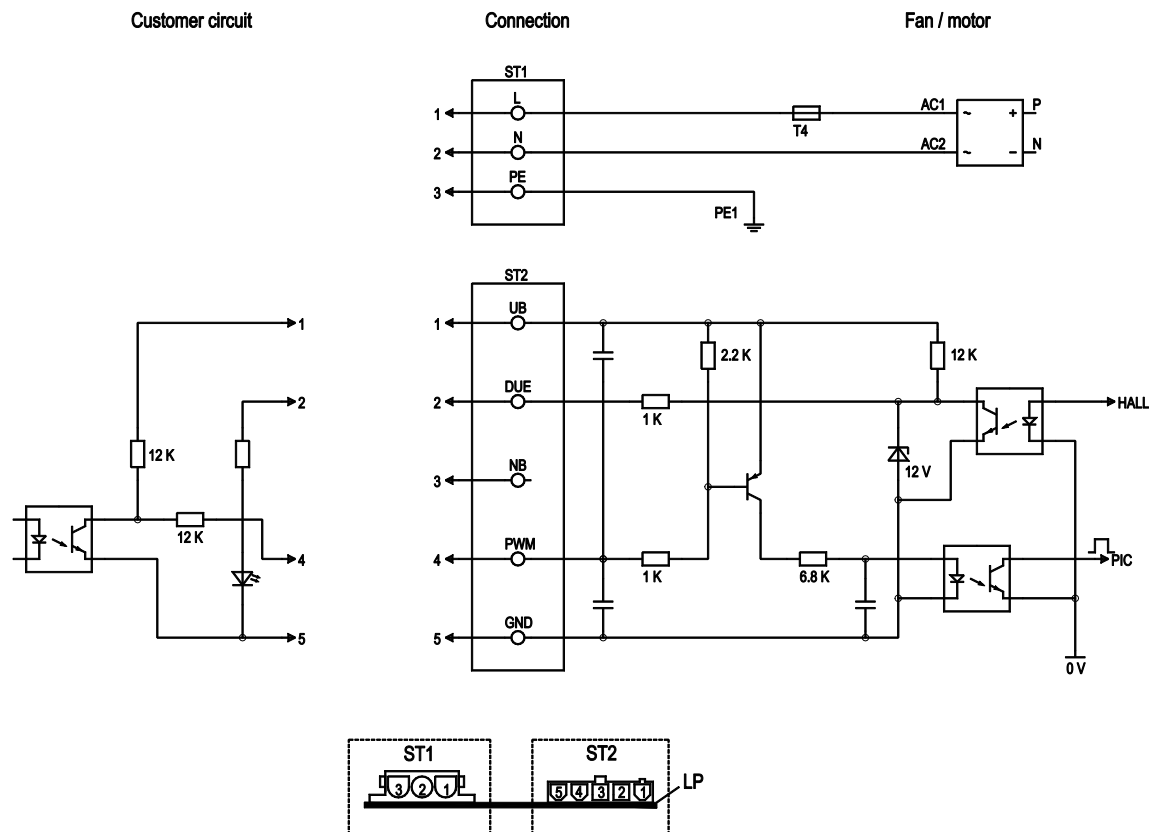
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Connection screen



No.	Pin	Signal	Function / assignment
ST1	1, 2, 3	L, N, PE	Power supply 230 VAC, 50-60 Hz, neutral conductor, protective earth
ST2	1	UB	External voltage 24-45 VDC
ST2	2	DUE	Speed monitoring output connection, monitoring circuit output, 3 pulses per revolution, current source 1 mA
ST2	3	N.C	Not assigned
ST2	4	PWM	PWM - 2 - 6 kHz control input, PWM on n = 100%, PWM low n = 0%
ST2	5	GND	GND - Connection for control interface

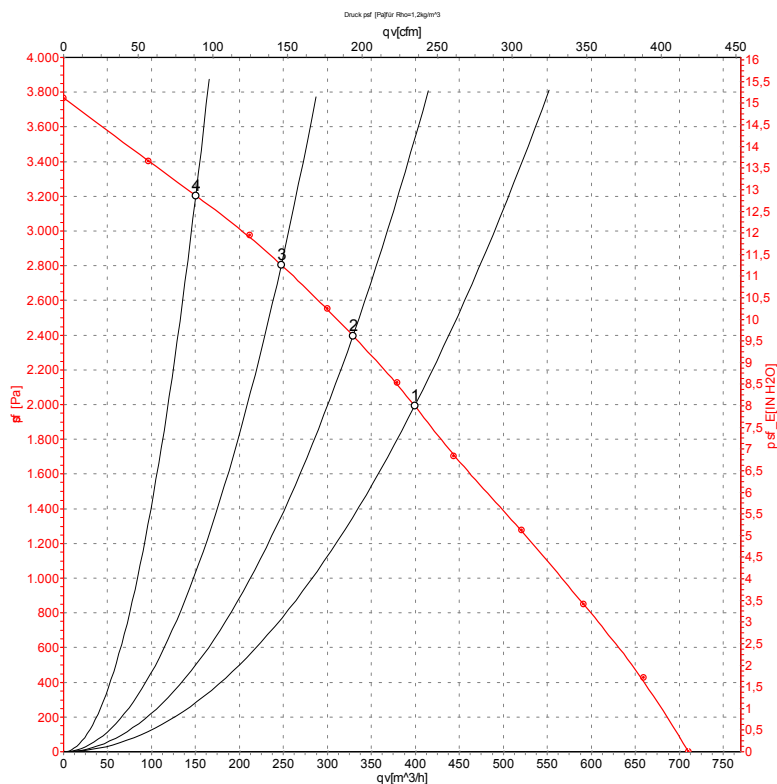
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Charts: Air flow 50 Hz



Measurement: LU-56469

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 _{sf}
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	230	50	6530	410	1.80	380	2000
2	230	50	6665	400	1.75	330	2400
3	230	50	6915	370	1.62	250	2800
4	230	50	7250	326	1.44	150	3200