

KARTA KATALOGOWA

G2E120-DD70-12

Wentylator promieniowy AC, łopatki zakrzywione do przodu, jednostronnie ssący, z obudową (z kołnierzem)

Producent: ebm-papst

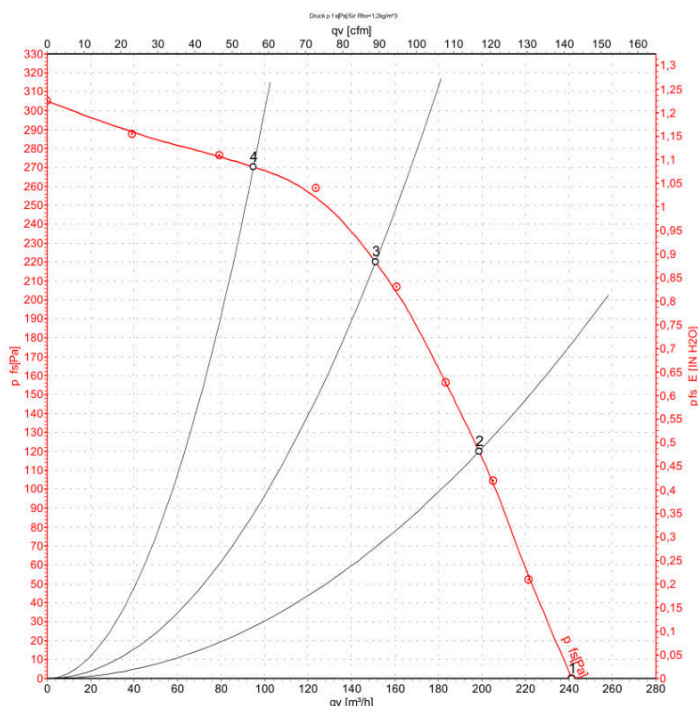


Zdjęcie poglądowe

Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 230 V	Wielkość	120 mm
Częstotliwość	50 Hz	Silnik	M2E052-CA
Prędkość obrotowa	2000 obr/min	Materiał wirnika	blacha stalowa ocynkowana
Pobór mocy	62 W	Obudowa	odlew aluminiowy
Pobór prądu	0,28 A	Kierunek obrotów	w lewo, patrząc na wirnik
Prąd rozruchowy	0,33 A	Stopień ochrony	IP00
Kondensator	2 µF / 400 V	Klasa izolacji	B
Maks. wydajność	240 m³/h	Zabezpieczenie silnika	termik (TOP), podłączony wewnętrznie
Maks. ciśnienie statyczne	300 Pa	Łożyskowanie	kulkowe
Temperatura otoczenia	-25...+40 °C	Masa	2 kg

Charakterystyka przepływowa (50 Hz)

Curves: Air performance 50 Hz



Measurement: LU-52392-1

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.

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

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G2E120-DD70-12

AC centrifugal fan
forward-curved, single-intake
with housing (flange)

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Nominal data

Type	G2E120-DD70-12	
Motor	M2E052-CA	
Phase		1~
Nominal voltage	VAC	230
Frequency	Hz	50
Method of obtaining data		fa
Valid for approval/standard		CE
Speed (rpm)	min ⁻¹	2000
Power consumption	W	62
Current draw	A	0.28
Capacitor	µF	2
Capacitor voltage	VDB	400
Capacitor standard		S0 (CE)
Min. back pressure	Pa	0
Min. back pressure	in. wg	0
Min. ambient temperature	°C	-25
Max. ambient temperature	°C	40
Starting current	A	0.33

ml = Max. load · me = Max. efficiency · fa = Free air · cs = Customer specification · ce = Customer equipment
Subject to change



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Technical description

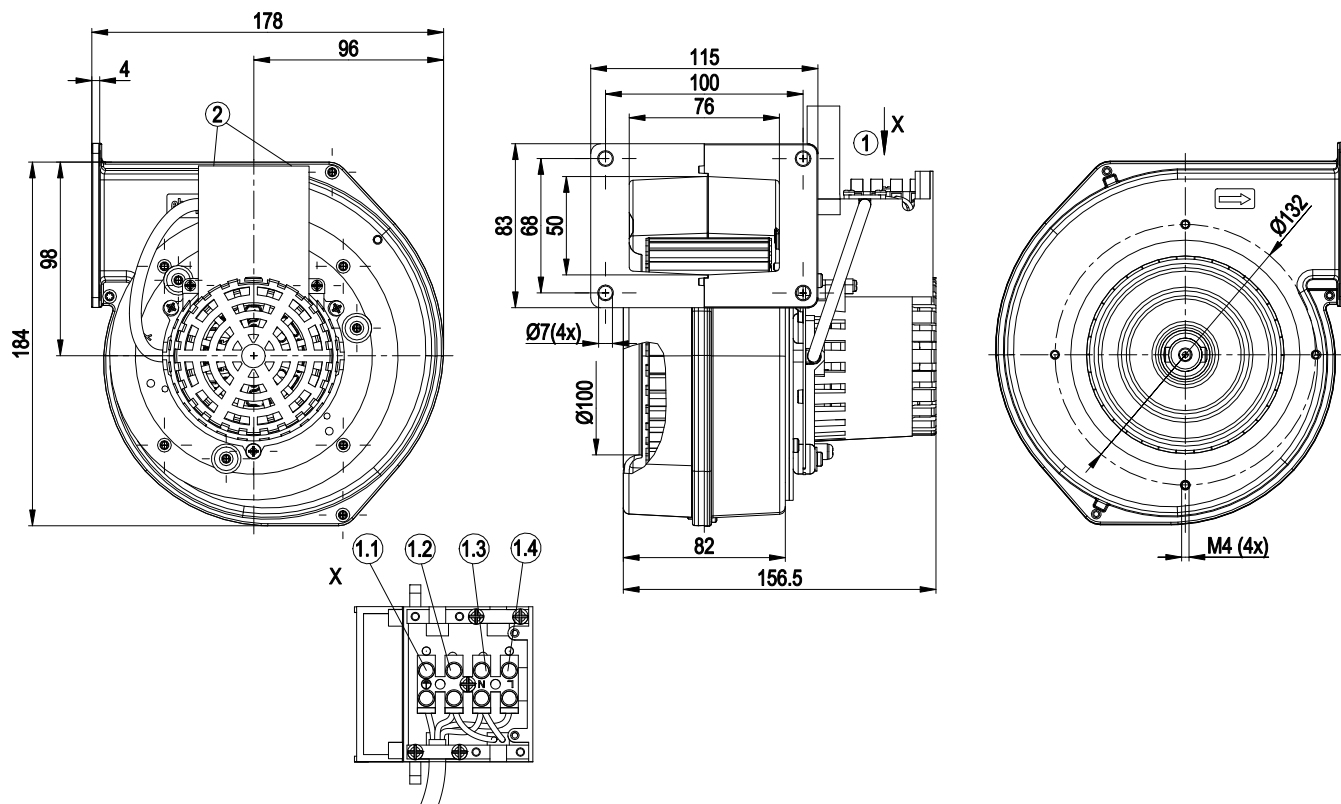
Weight	2 kg
Size	120 mm
Motor size	52
Rotor surface	Painted black
Impeller material	Sheet steel, galvanized
Housing material	Die-cast aluminum
Motor suspension	Motor mounted on support plate for one-sided vibration damping
Direction of rotation	Counterclockwise, viewed toward rotor
Degree of protection	IP00
Insulation class	"B"
Moisture (F) / Environmental (H) protection class	H0+
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, open rotor
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
Protection class	I (with customer connection of protective earth)
Motor capacitor according to EN 60252-1 in safety protection class	S0
Conformity with standards	EN 60335-1; CE
Approval	EAC

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Product drawing

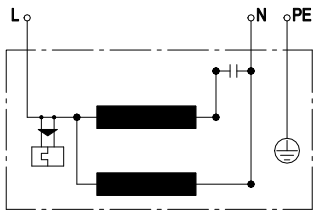


1	Terminal box open
1.1	green/yellow
1.2	brown + capacitor
1.3	black + capacitor
1.4	blue
2	Tightening torque $1.7 \pm 0.25 \text{ Nm}$ $n < 700 \text{ rpm}$

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Connection diagram



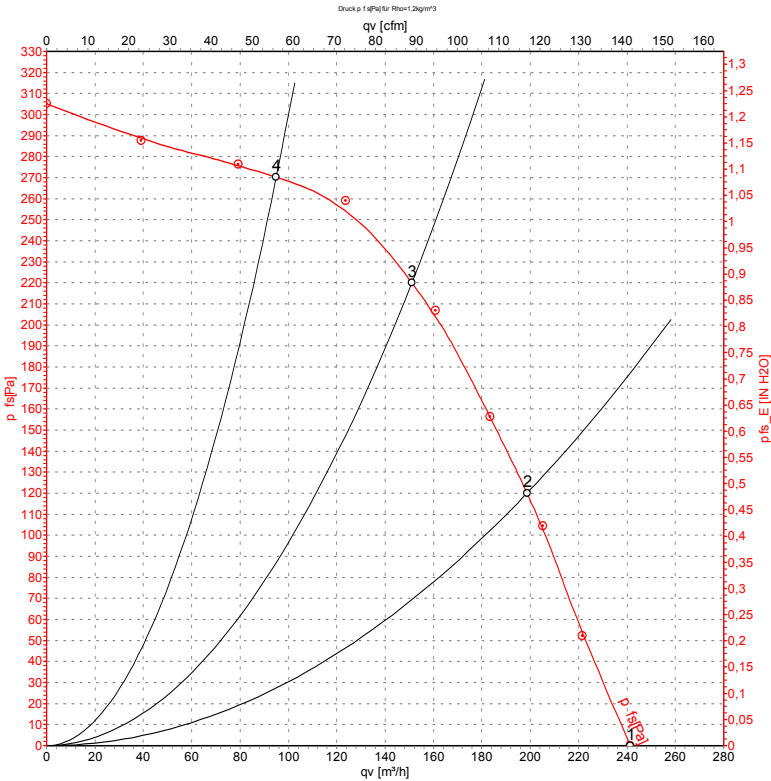
L	blue	N	black	PE	green/yellow
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Curves: Air performance 50 Hz



Measurement: LU-52392-1

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	m³/h	Pa	cfm	in. wg
1	230	50	2000	62	0.28	240	0	140	0.00
2	230	50	2230	57	0.25	200	120	115	0.48
3	230	50	2440	53	0.23	150	220	90	0.88
4	230	50	2610	49	0.22	95	270	55	1.08

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

