

KARTA KATALOGOWA

R2E150-AE52-06

Wentylator promieniowy AC

Producent: ebm-papst



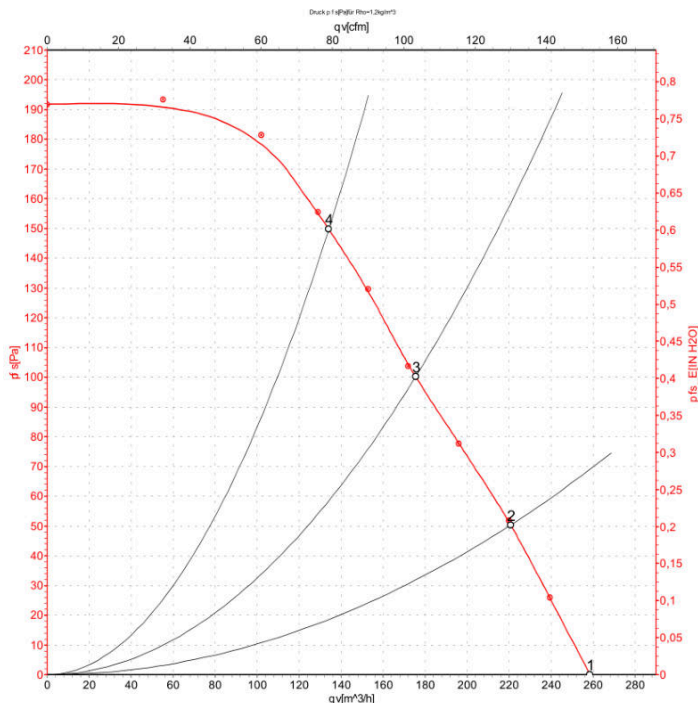
Zdjęcie poglądowe

Dane znamionowe	
Napięcie znamionowe	1~ 230 V
Częstotliwość	50 / 60 Hz
Prędkość obrotowa	2600 / 2950 obr/min
Pobór mocy	42 / 53 W
Pobór prądu	0,19 / 0,24 A
Kondensator	1,5 µF / 400 V
Maks. wydajność	260 m³/h
Maks. ciśnienie statyczne	190 Pa
Temperatura otoczenia	maks. 60 / 65 °C

Budowa	
Wielkość	150 mm
Silnik	M2E052-CA
Materiał wirnika	blacha ze stali nierdzewnej
Liczba łopatek	6
Kierunek obrotów	w prawo, patrząc na wirnik
Stopień ochrony	IP00
Klasa izolacji	F
Zabezpieczenie silnika	termik (TOP), podłączony wewnętrznie
Łożyskowanie	kulkowe
Masa	0,9 kg

Charakterystyka przepływowa (50 Hz)

Curves: Air performance 50 Hz



Measurement: LU-37284-1

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.

Dobór, wycena i dostawa – zapytaj LUFTBERG

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R2E150-AE52-06

AC centrifugal fan

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Nominal data

Type	R2E150-AE52-06		
Motor	M2E052-CA		
Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz	50	60
Method of obtaining data		fa	fa
Valid for approval/standard		CE	CE
Speed (rpm)	min ⁻¹	2600	2950
Power consumption	W	42	53
Current draw	A	0.19	0.24
Capacitor	µF	1.5	1.5
Capacitor voltage	VDB	400	400
Capacitor standard		S0 (CE)	S0 (CE)
Min. back pressure	Pa	0	0
Min. back pressure	inH2O	0	0
Max. ambient temperature	°C	60	65

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



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AC centrifugal fan

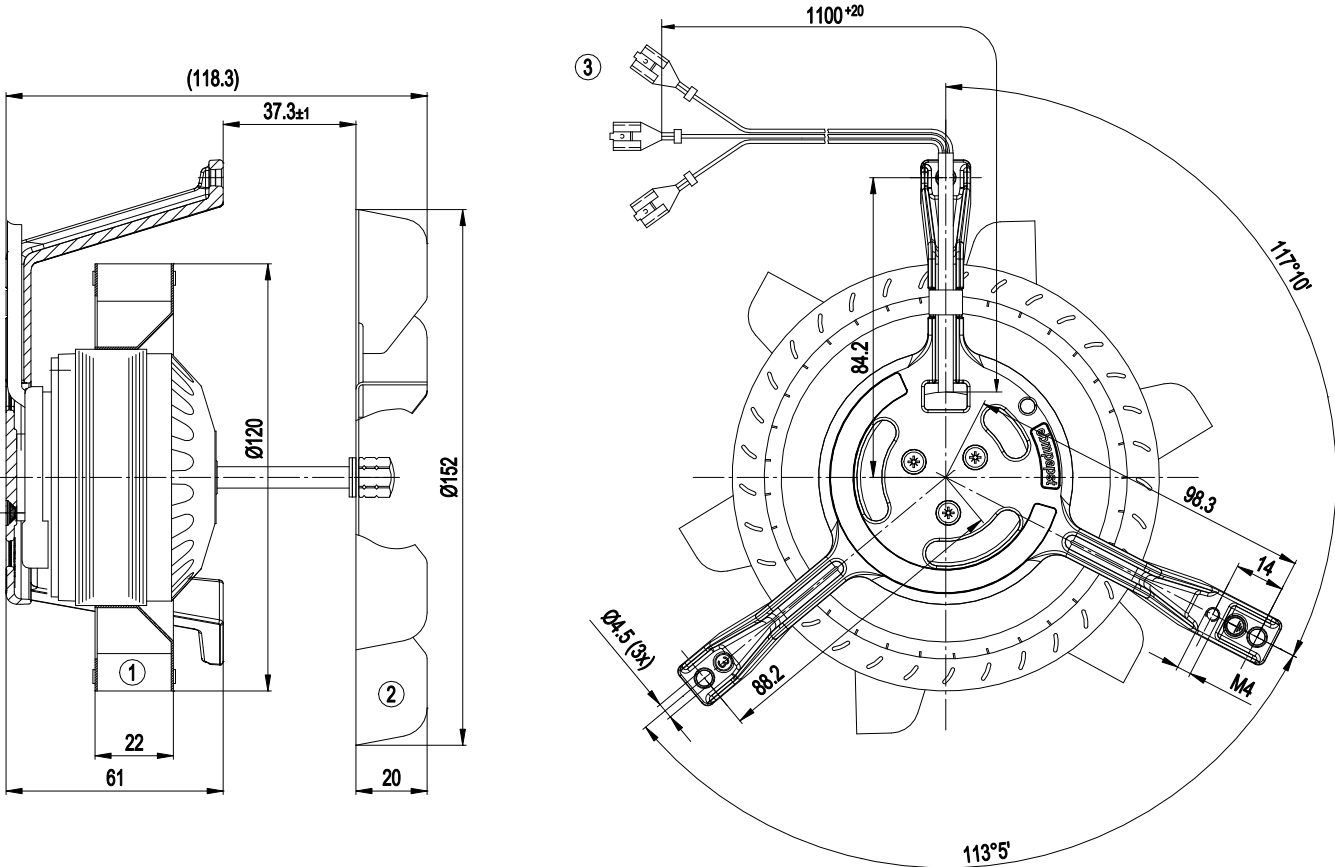
Technical description

Weight	0.9 kg
Fan size	150 mm
Rotor surface	Unpainted
Impeller material	Sheet steel, stainless
Number of blades	6
Direction of rotation	Clockwise, viewed toward rotor
Degree of protection	IP00
Insulation class	"F"
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	Lateral
Conformity with standards	EN 60335-1; CE

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AC centrifugal fan

Product drawing



1	Centrifugal fan impeller (sheet steel, galvanized)
2	Centrifugal fan impeller (sheet steel, stainless)
3	Cable ETFE AWG 20, 3x flat push-on receptacle 6.3 x 0.8 crimped

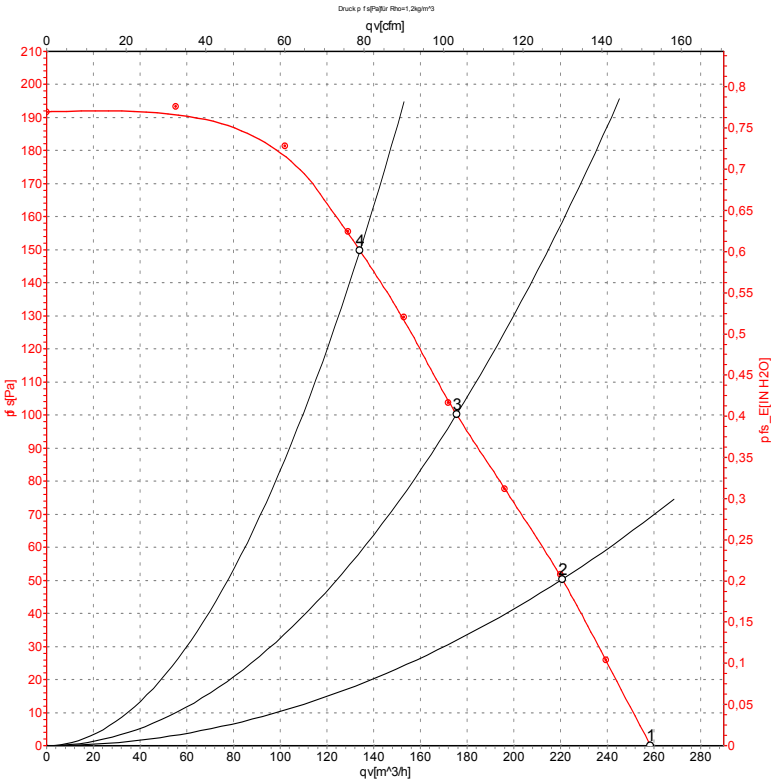
Connection diagram



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AC centrifugal fan

Curves: Air performance 50 Hz



Measurement: LU-37284-1

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	inH ₂ O
1	230	50	2600	42	0.19	260	0	150	0.00
2	230	50	2605	42	0.19	220	50	130	0.20
3	230	50	2595	42	0.19	175	100	105	0.40
4	230	50	2630	41	0.18	135	150	80	0.60

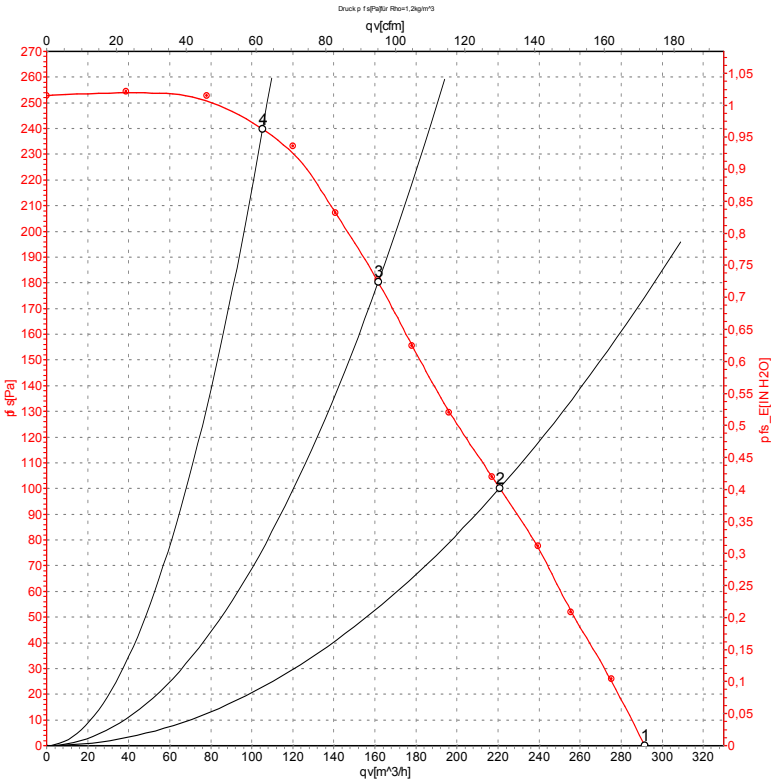
U = Power supply · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw · q_v = Air flow · p_{fs} = Pressure increase



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AC centrifugal fan

Curves: Air performance 60 Hz



Measurement: LU-37285-1
 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	inH2O
1	230	60	2950	53	0.24	290	0	170	0.00
2	230	60	2915	53	0.24	220	100	130	0.40
3	230	60	2960	52	0.23	160	180	95	0.72
4	230	60	3080	49	0.22	105	240	60	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

