

KARTA KATALOGOWA

R2E150-AN91-05

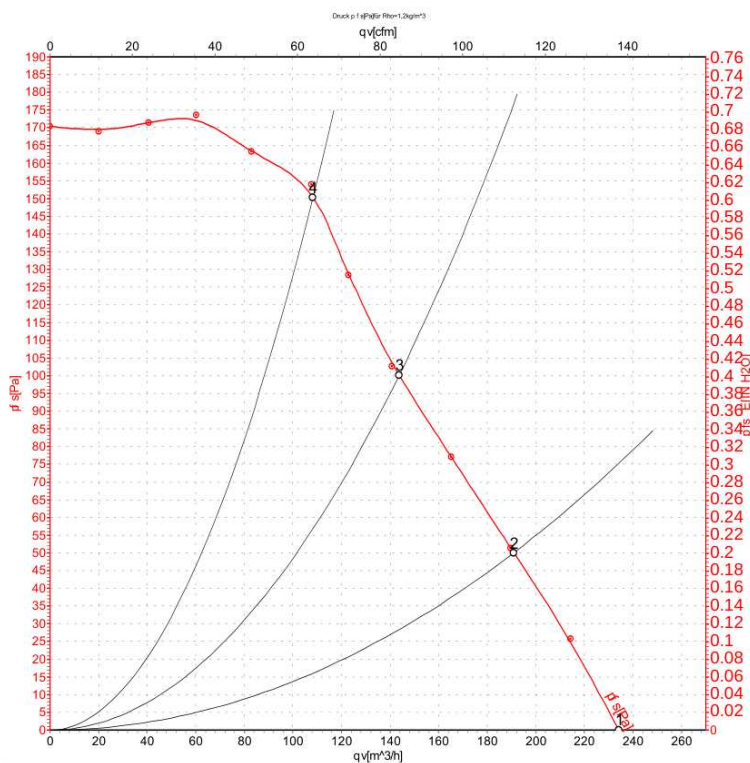
Dmuchawa promieniowa AC do cyrkulacji gorącego powietrza
(kotły na paliwo stałe)

Producent: ebm-papst

Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 230 V	Średnica wirnika	150 mm
Częstotliwość	50 Hz	Silnik	M2E068-BF
Prędkość obrotowa	2400 obr/min	Materiał wirnika	blacha stalowa nierdzewna
Pobór mocy	32 W	Obudowa	stal fosforanowana, powlekana na czarno
Pobór prądu	0,14 A	Liczba łopatek	6
Kondensator	1 µF / 400 V	Stopień ochrony	IP44
Temperatura otoczenia	-25...+100 °C	Klasa izolacji	F
		Zabezpieczenie silnika	termik (TOP), podłączony wewnętrznie
		Łożyskowanie	kulkowe
		Masa	2,02 kg

Charakterystyka przepływowa (50 Hz)

Curves: Air performance 50 Hz



Measurement: LU-75643-1

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 must be checked in the installed unit.

Dane na okładce wg dokumentacji ebm-papst; za okładką oryginalna karta producenta.
Wartości przy swobodnym wydmuchu; producent zastrzega możliwość zmian.

Dobór, wycena i dostawa – zapytaj LUFTBERG

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R2E150-AN91-05

AC hot-air circulation blower

for solid fuel heating systems

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Amtsgericht (court of registration) Stuttgart · HRA 590344

General partner Elektrobau Mulfingen GmbH · Headquarters Mulfingen

Amtsgericht (court of registration) Stuttgart · HRB 590142

Nominal data

Type	R2E150-AN91-05	
Motor	M2E068-BF	
Phase		1~
Nominal voltage	VAC	230
Frequency	Hz	50
Method of obtaining data		fa
Valid for approval/standard		CE
Speed (rpm)	min ⁻¹	2400
Power consumption	W	32
Current draw	A	0.14
Capacitor	µF	1
Capacitor voltage	VDB	400
Min. back pressure	Pa	0
Min. ambient temperature	°C	-25
Max. ambient temperature	°C	100

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


ebmpapst

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Technical description

Weight	2.0 kg
Motor size	150 mm
Rotor surface	Unpainted
Impeller material	Sheet steel, stainless
Housing material	Steel, phosphated, black plastic coated
Support plate material	Sheet steel, hot-dip galvanized
Number of blades	6
Direction of rotation	Counterclockwise, viewed toward rotor
Degree of protection	IP44; installation- and position-dependent
Insulation class	«F»
Moisture (F) / Environmental (H) protection class	H0 - dry environment
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	—
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	Variable
Protection class	I (with customer connection of protective earth)
Conformity with standards	EN 60335-1; CE
Approval	EAC

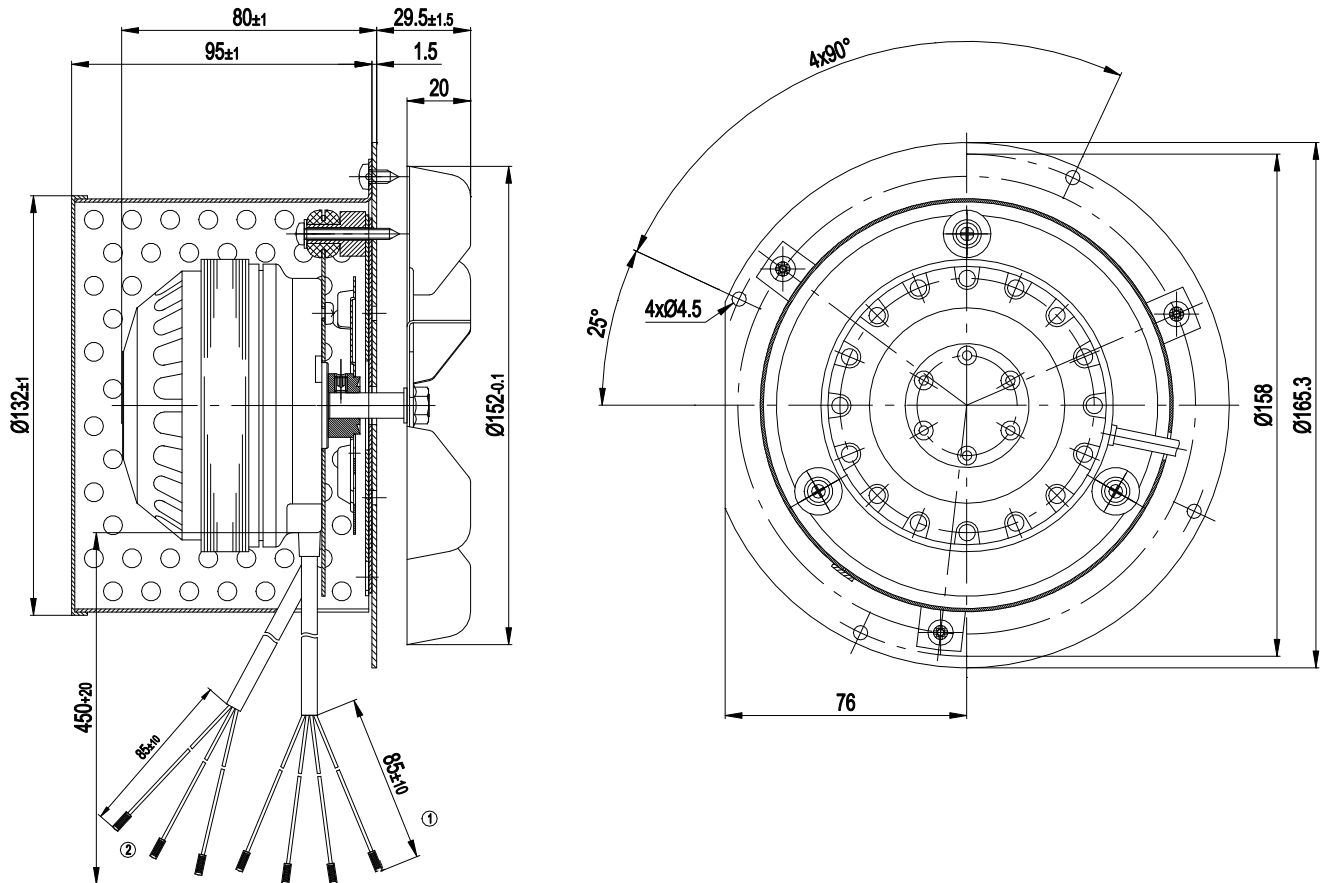


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Product drawing



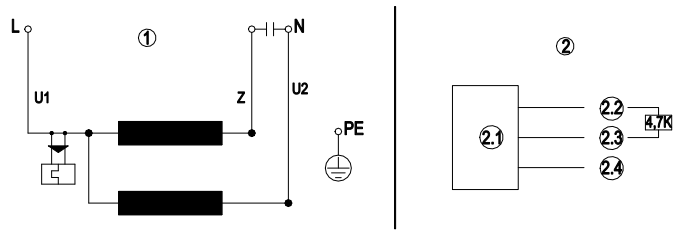
- | | |
|---|-------------------------------------|
| 1 | Cable silicone, 4x crimped ferrules |
| 2 | Cable, 3x crimped ferrules |

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Connection diagram



1	Fan connection diagram
U1	blue
Z	brown
U2	black
PE	green/yellow
2	Hall sensor circuit
2.1	Hall sensor
2.2	red (+5 V)
2.3	white (out)
2.4	black (0 V)

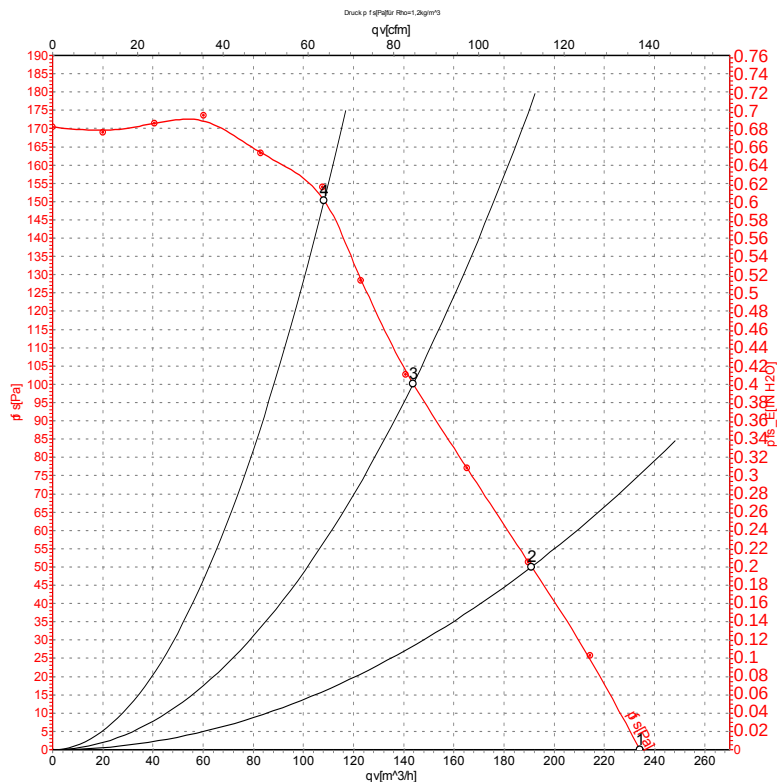


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Measured values

	U	f	n	P _e	I	qv	p _{fs}	qv	p _{fs}
	V	Hz	min ⁻¹	W	A	m ³ /h	Pa	CFM	inH ₂ O
1	230	50	2400	32	0.14	235	0	140	0.00
2	230	50	2375	32	0.14	190	50	110	0.20
3	230	50	2400	31	0.13	145	100	85	0.40
4	230	50	2500	29	0.13	110	150	65	0.60

U = Power supply · f = Frequency · n = Speed (rpm) · P

_e = Power consumption · I = Current draw · qv = Air flow · p

_{fs} = Pressure increase



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