

KARTA KATALOGOWA

R4E280-AD08-05

Wentylator promieniowy AC, łopatki zakrzywione do tyłu, jednostronnie ssący

Producent: ebm-papst



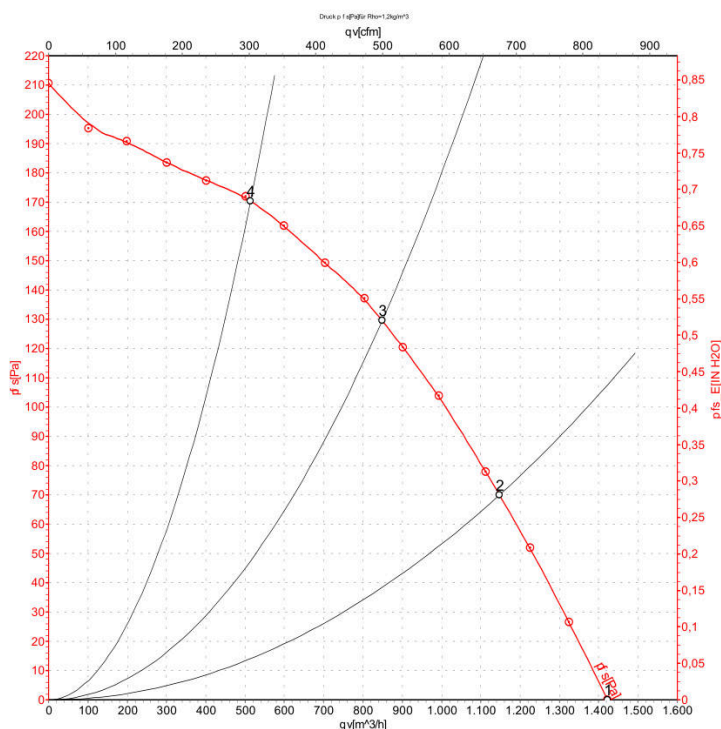
Zdjęcie poglądowe

Dane znamionowe	
Napięcie znamionowe	1~ 230 V
Częstotliwość	50/60 Hz
Prędkość obrotowa	1420 / 1635 obr/min
Pobór mocy	78 / 105 W
Pobór prądu	0,35 / 0,42 A
Kondensator	2,5 µF / 450 V
Maks. wydajność	1425 m³/h
Maks. ciśnienie statyczne	170 Pa
Temperatura otoczenia	-25...+40 °C

Budowa	
Średnica wirnika	280 mm
Materiał wirnika	stal, malowana na czarno
Liczba łopatek	11
Stopień ochrony	IP44
Klasa izolacji	B
Zabezpieczenie silnika	termik (TOP)
Masa	3,18 kg

Charakterystyka przepływowa

Curves: Air performance 50 Hz



Measurement: LU-107229-1

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 podstawie karty producenta ebm-papst (oryginał na kolejnych stronach).

Wartości dla 50 Hz / 60 Hz; producent zastrzega możliwość zmian.

Dobór, wycena i dostawa – zapytaj LUFTBERG

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R4E280-AD08-05

AC centrifugal fan

backward-curved, single-intake

Nominal data

Type	R4E280-AD08-05		
Motor	M4E068-DF		
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	1420	1635
Power consumption	W	78	105
Current draw	A	0.35	0.42
Capacitor	µF	2.5	2.5
Capacitor voltage	VDB	450	400
Capacitor standard		S0 (CE)	S0 (CE)
Min. back pressure	Pa	0	0
Min. back pressure	inH2O	0	0
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	40	40

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

backward-curved, single-intake

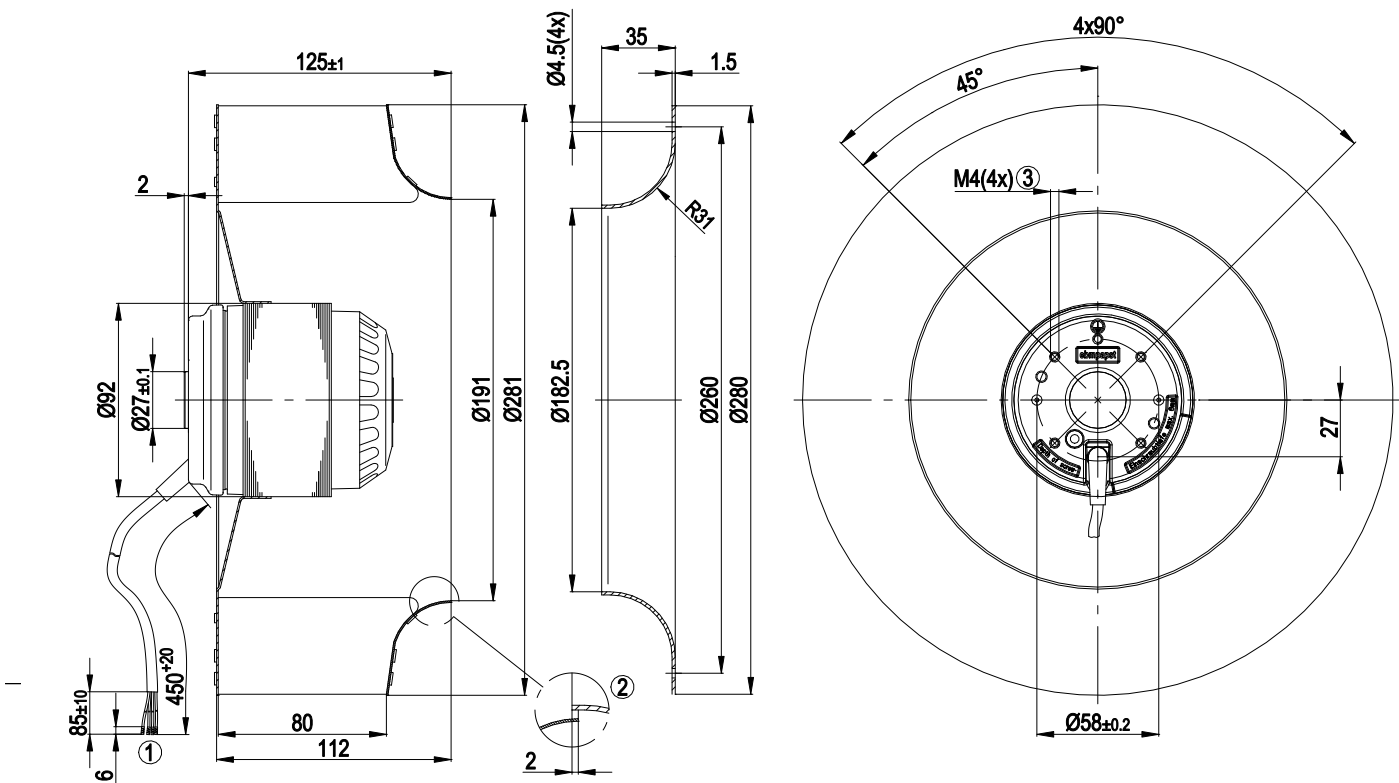
Technical description

Weight	3.18 kg
Fan size	280 mm
Rotor surface	Painted black
Impeller material	Sheet steel, painted black
Number of blades	11
Direction of rotation	Clockwise, viewed toward rotor
Degree of protection	IP44; installation- and position-dependent as per EN 60034-5
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	Shaft horizontal or rotor on bottom; rotor on top on request
Condensation drainage holes	On rotor side
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	CCC; EAC

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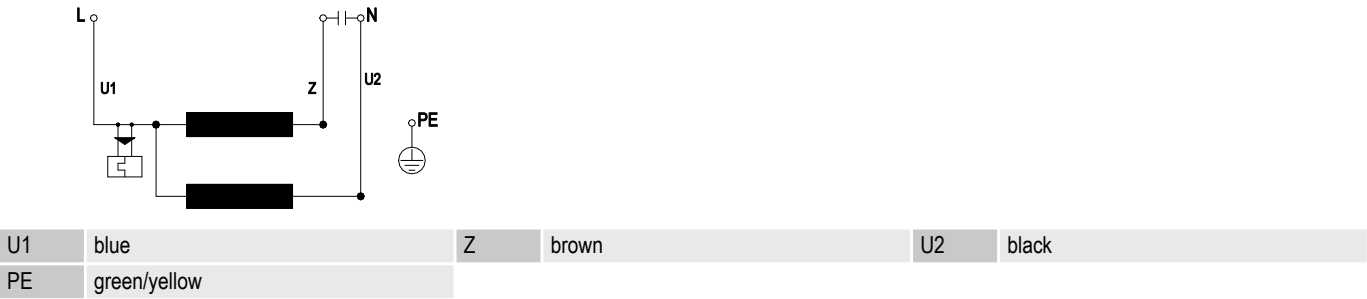
AC centrifugal fan
backward-curved, single-intake

Product drawing



1	Cable PVC 4G 0.5 mm², 4x crimped splices
2	Accessory part: inlet ring 96360-2-4013 not included in scope of delivery
3	Max. clearance for screw 6 mm

Connection diagram

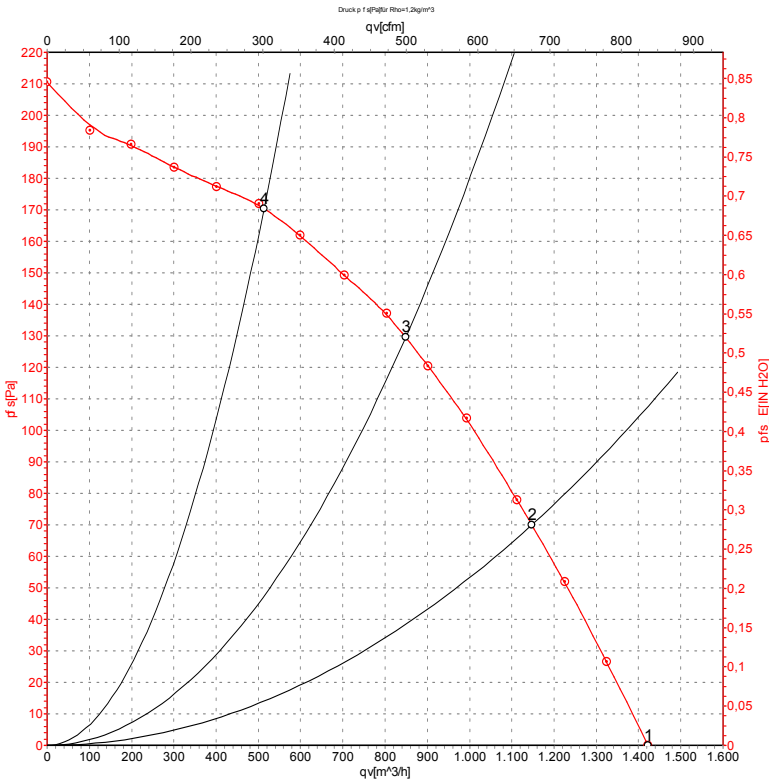


R4E280-AD08-05

AC centrifugal fan

backward-curved, single-intake

Curves: Air performance 50 Hz



Measurement: LU-107229-1

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	m ³ /h	Pa	cfm	inH ₂ O
1	230	50	1390	75	0.35	1425	0	840	0.00
2	230	50	1360	84	0.38	1145	70	675	0.28
3	230	50	1335	90	0.40	850	130	500	0.52
4	230	50	1360	85	0.38	515	170	305	0.68

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

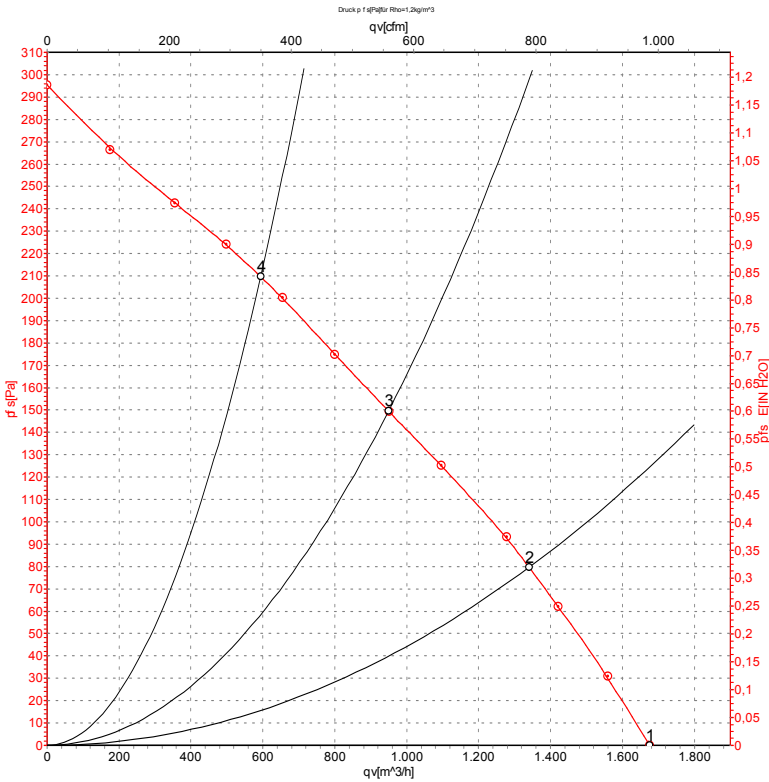


R4E280-AD08-05

AC centrifugal fan

backward-curved, single-intake

Curves: Air performance 60 Hz



Measurement: LU-107231-1

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	1600	100	0.45	1675	0	985	0.00
2	230	60	1530	111	0.48	1340	80	790	0.32
3	230	60	1455	120	0.52	950	150	560	0.60
4	230	60	1515	114	0.49	595	210	350	0.84

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

