

AC centrifugal fan

backward curved, single inlet

Beijing Hengrui Mechanical and Electrical Equipment Co,Ltd

Phone +86 10-62547612

zhangyu@bjhengrui.cn

en.bjhengrui.com

Nominal data

Type	R2E225-AT52-19			
Motor	M2E068-DF			
Phase		1~	1~	1~
Nominal voltage	VAC	230	230	230
Frequency	Hz	50	60	60
Type of data definition		fa	fa	fa
Valid for approval / standard		CE	UL 2111	CE
Speed	min ⁻¹	2750	3150	3150
Power input	W	105	190	155
Current draw	A	0.47	0.8	0.69
Motor capacitor	μF	3	3	3
Capacitor voltage	VDB	400	400	400
Min. back pressure	Pa	0	0	0
Max. ambient temperature	°C	65	60	60
Starting current	A	1.2	1.2	1.2

ml = max. load · me = max. efficiency · fa = running at free air · cs = customer specs · cu = customer unit
Subject to alterations

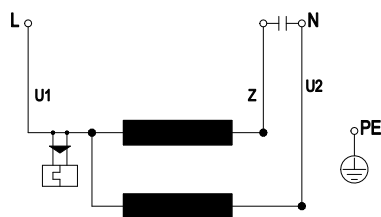


Technical features

Mass	2.4 kg
Size	225 mm
Surface of rotor	Coated in black
Material of impeller	Plastic PA6, fibreglass-reinforced
Number of blades	11
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 44; Depending on installation and position
Insulation class	"B"
Humidity class	F1-2
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Mounting position	Any
Condensate discharge holes	None
Operation mode	S1
Motor bearing	Ball bearing
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)	< 0.75 mA
Motor protection	Thermal overload protector (TOP) wired internally
Cable exit	Variable
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1; CE
Approval	CCC; UL 2111; CSA C22.2 Nr.77

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Connection screen

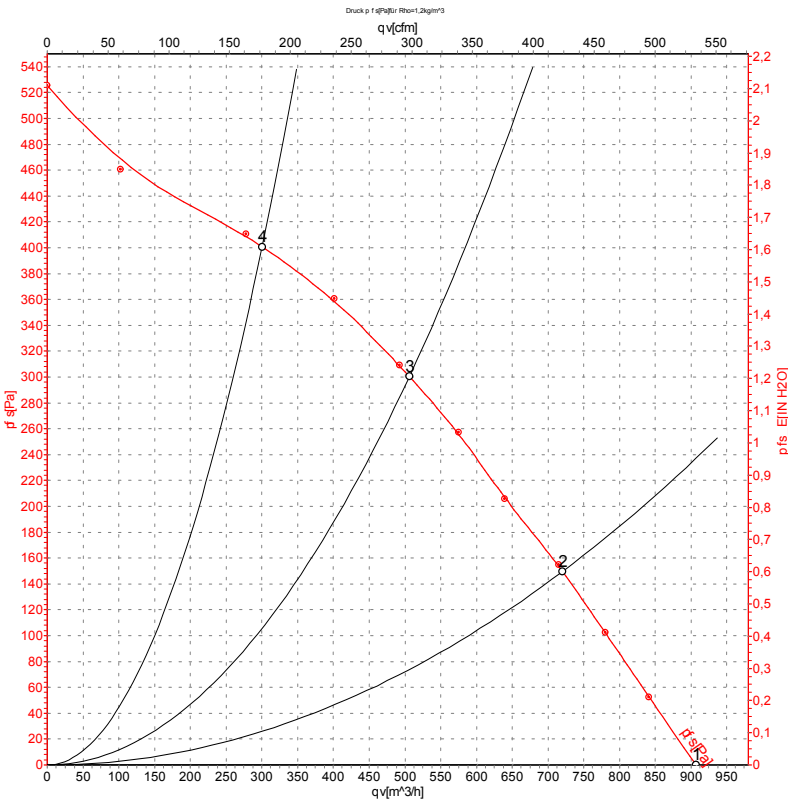


U1	blue	Z	brown	U2	black
PE	green/yellow				

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Charts: Air flow 50 Hz



Measurement: LU-3194

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: L_{WA} measured as per ISO 13347 /
L_{pA} 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 _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	230	50	2775	105	0.47	905	0
2	230	50	2695	118	0.52	720	150
3	230	50	2670	122	0.54	505	300
4	230	50	2720	113	0.49	300	400

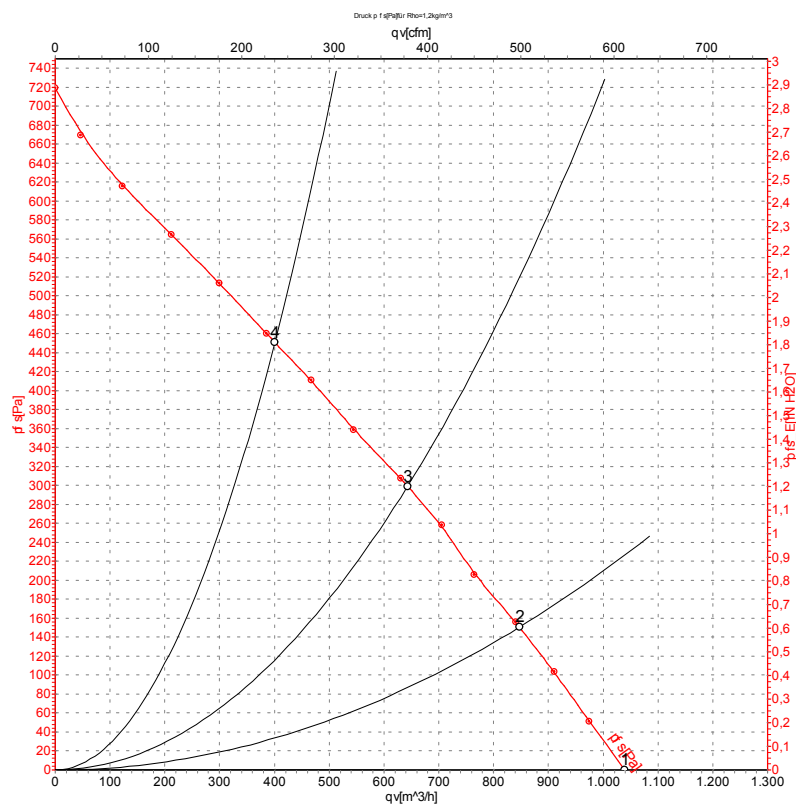
U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · qv = Air flow · p_{fs} = Pressure increase



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Charts: Air flow 60 Hz



Measurement: LU-3196

Air performance measured as per ISO 5801
Installation category A. For detailed
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levels: L_{WA} measured as per ISO 13347 /
L_{pA} 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 _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	230	60	3150	155	0.69	1040	0
2	230	60	3010	171	0.74	845	150
3	230	60	2925	180	0.78	645	300
4	230	60	2980	173	0.75	400	450

U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · qv = Air flow · p_{fs} = Pressure increase

