

Nominal data

Type	K2E225-RB92-10		
Motor	M2E068-DF		
Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz	50	60
Method of obtaining data		ml/ce	ml/ce
Valid for approval/standard		CE	CE
Speed (rpm)	min ⁻¹	2550	2700
Power consumption	W	145	200
Current draw	A	0.64	0.88
Capacitor	μF	3.5	3.5
Capacitor voltage	VDB	450	450
Capacitor standard		S2 (CE)	S2 (CE)
Min. back pressure	Pa	0	0
Min. back pressure	inH ₂ O	0	0
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	60	60
Starting current	A	1.25	1.2

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

Data according to ErP Directive

		Actual	Req. 2015			
01 Overall efficiency η_{es}	%	42.5	42.5	09 Power consumption P_e	kW	0.14
02 Measurement category		A		09 Air flow q_v	m ³ /h	705
03 Efficiency category		Static		09 Pressure increase p_{fs}	Pa	320
04 Efficiency grade N		62	62	10 Speed (rpm) n	min ⁻¹	2560
05 Variable speed drive		No		11 Specific ratio*		1.00

Data obtained at optimum efficiency level.

The ErP data is determined using a motor-impeller combination in a standardized measurement setup.

* Specific ratio = $1 + p_g / 100\,000\text{ Pa}$

LU-127147



AC centrifugal fan

backward-curved

with housing and mounting bracket

Technical description

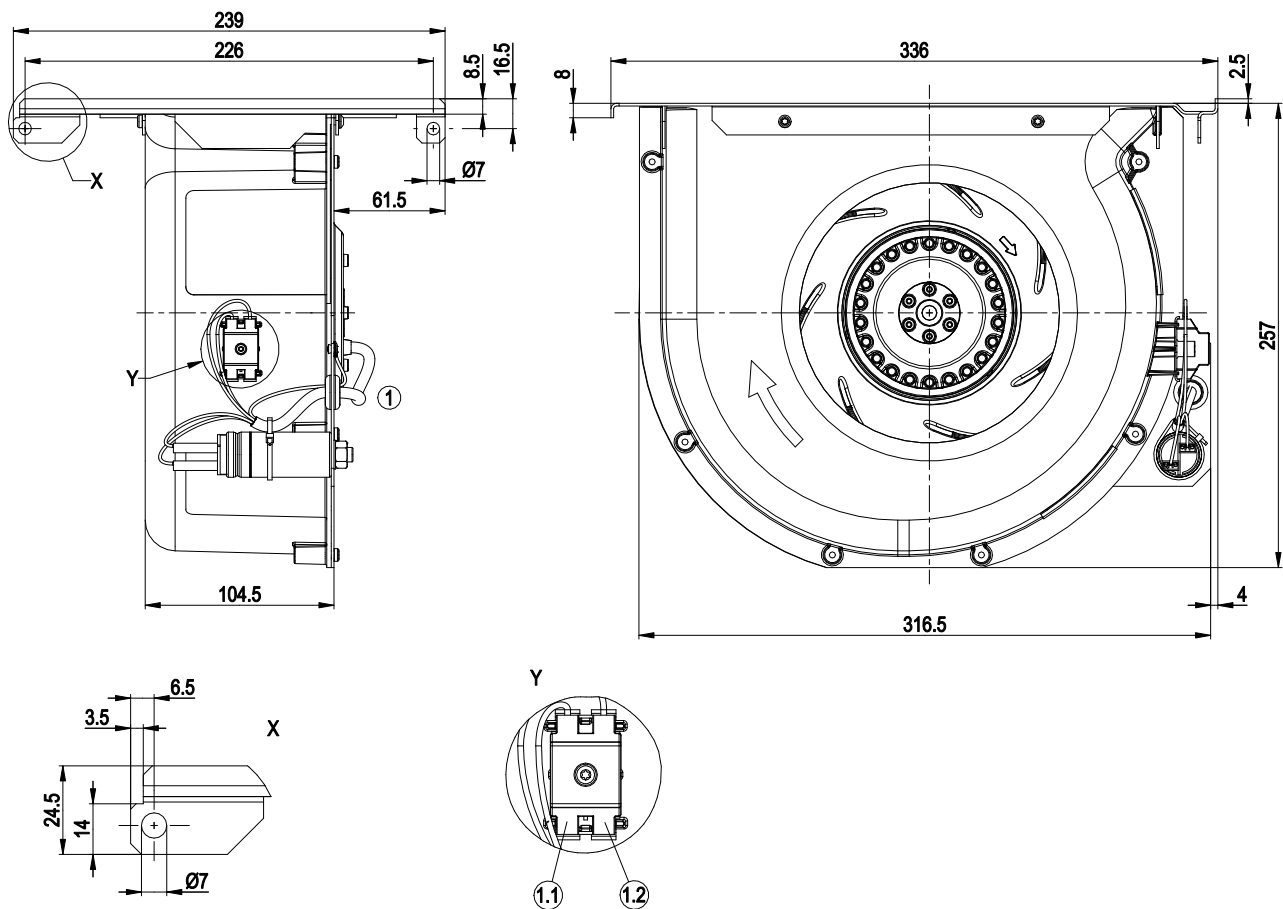
Weight	4.1 kg
Fan size	225 mm
Rotor surface	Painted black
Impeller material	PA plastic
Housing material	PA plastic; sheet steel, galvanized
Number of blades	7
Direction of rotation	Clockwise, viewed toward rotor
Degree of protection	IP44; installation- and position-dependent as per EN 60034-5
Insulation class	"F"
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
Electrical hookup	Capacitor mounted
Motor protection	Thermal overload protector (TOP) internally connected
Motor capacitor according to EN 60252-1 in safety protection class	S2
Conformity with standards	EN 60335-1; CE
Approval	UL 507; CCC; EAC; CSA C22.2 No. 113



AC centrifugal fan

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Product drawing

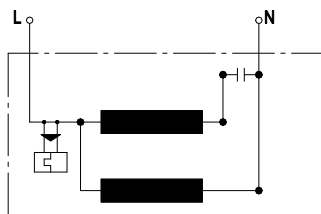


1 Cable PFA AWG20

1.1 blue

1.2 black

Connection diagram



L blue

N black

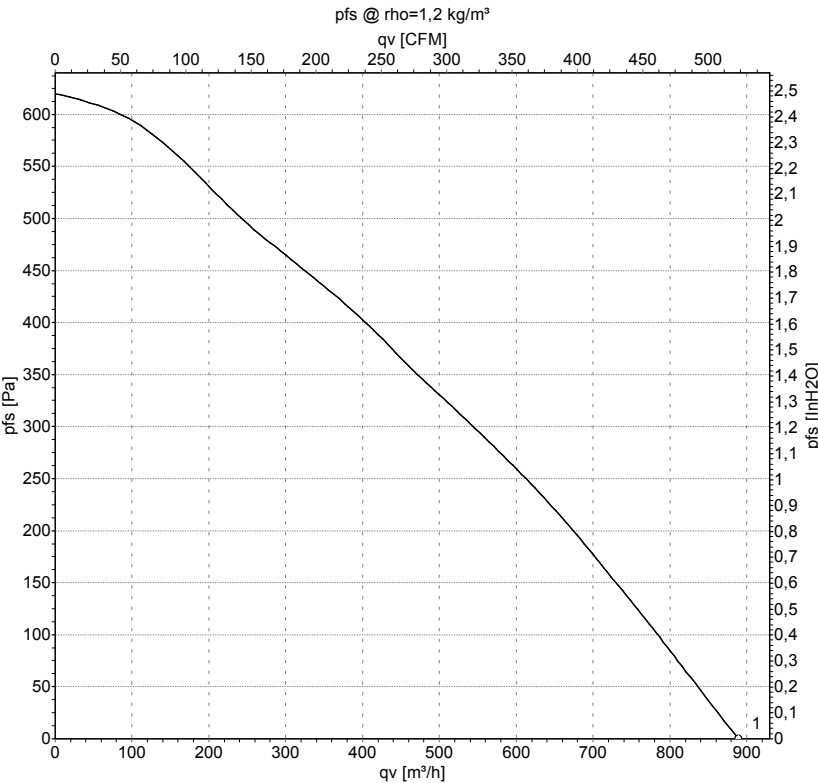


AC centrifugal fan

backward-curved

with housing and mounting bracket

Curves: Air performance 50 Hz



Measurement: LU-140928-1

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	q _v	p _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	cfm	inH2O
1	230	50	2550	145	0.64	890	525	0.00

U = Power supply · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw · q_v = Air flow

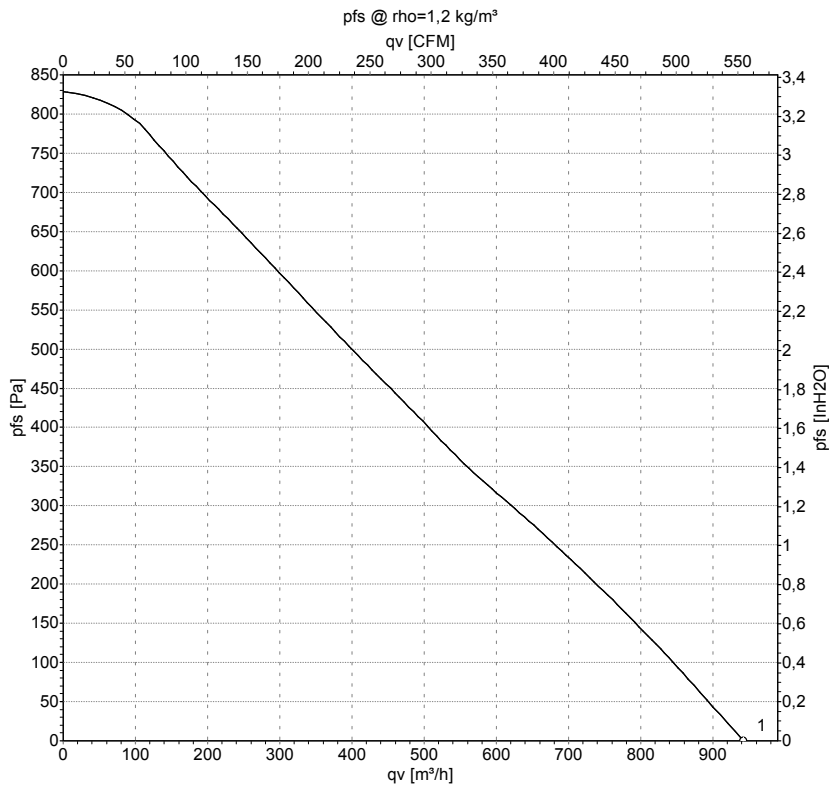


AC centrifugal fan

backward-curved

with housing and mounting bracket

Curves: Air performance 60 Hz



Measurement: LU-140931-1

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	q _v	p _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	cfm	inH2O
1	230	60	2700	200	0.88	945	555	0.00

U = Power supply · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw · q_v = Air flow

