R2E140-BO10-22

AC centrifugal fan

forward-curved, single-intake

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Nominal data

Type	R2E140-BO10-22	
Motor	**M2E068-CA**	
Phase		1~
Nominal voltage	VAC	230
Frequency	Hz	50
Method of obtaining data		fa
Speed (rpm)	min^{-1}	1850
Power consumption	W	140
Current draw	A	0.63
Capacitor	µF	2
Capacitor voltage	VDB	450
Min. ambient temperature	°C	-25
Max. ambient temperature	°C	45

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

Technical description

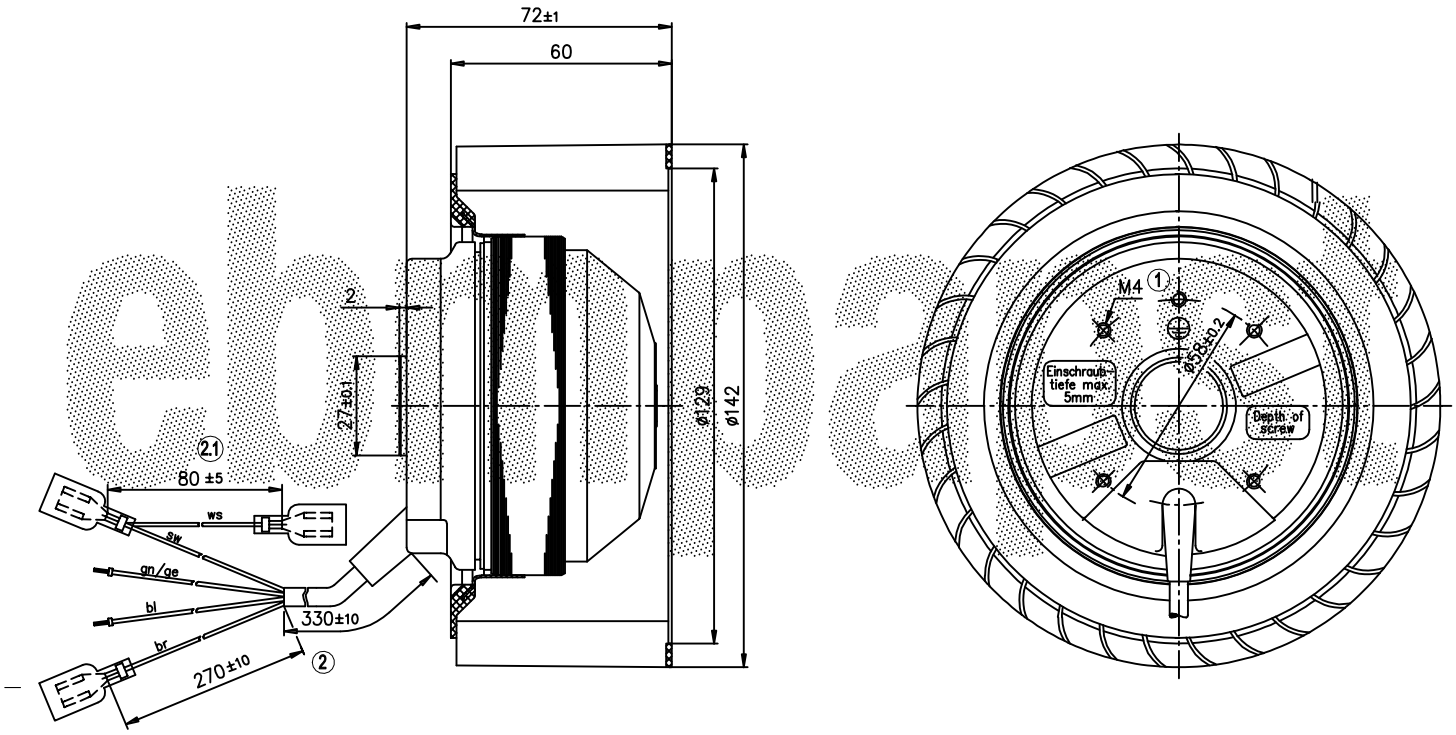
Weight	1.4 kg
Fan size	140 mm
Impeller material	plastic
Direction of rotation	Clockwise, viewed toward rotor
Degree of protection	IP44; installation- and position-dependent as per EN 60034-5
Insulation class	"B"
Moisture (F) / Environmental (H) protection class	F1-1
Max. permitted ambient temp. for motor (transport/storage)	+ 80 °C
Min. permitted ambient temp. for motor (transport/storage)	- 40 °C
Installation position	any
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) wired internally
With cable	Variable
Protection class	I (with customer connection of protective earth)
Approval	CCC

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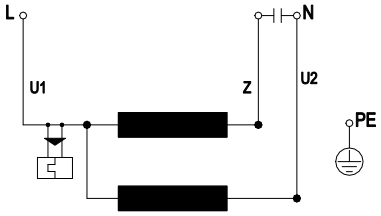
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Product drawing



1	Max. clearance for screw 5 mm
2	Cable PVC 4G 0.5 mm², 2x wire-end ferrule (925552-1), 1x flat push-on receptacle 6.3 - 0.8 (160389-3), 1x flat push-on receptacle 6.3 - 0.8 (3-160256-1) crimped.
2.1	Wire AWG 20-300V, flat push-on receptacle 6.3 - 0.8 (160389-3)

Connection diagram



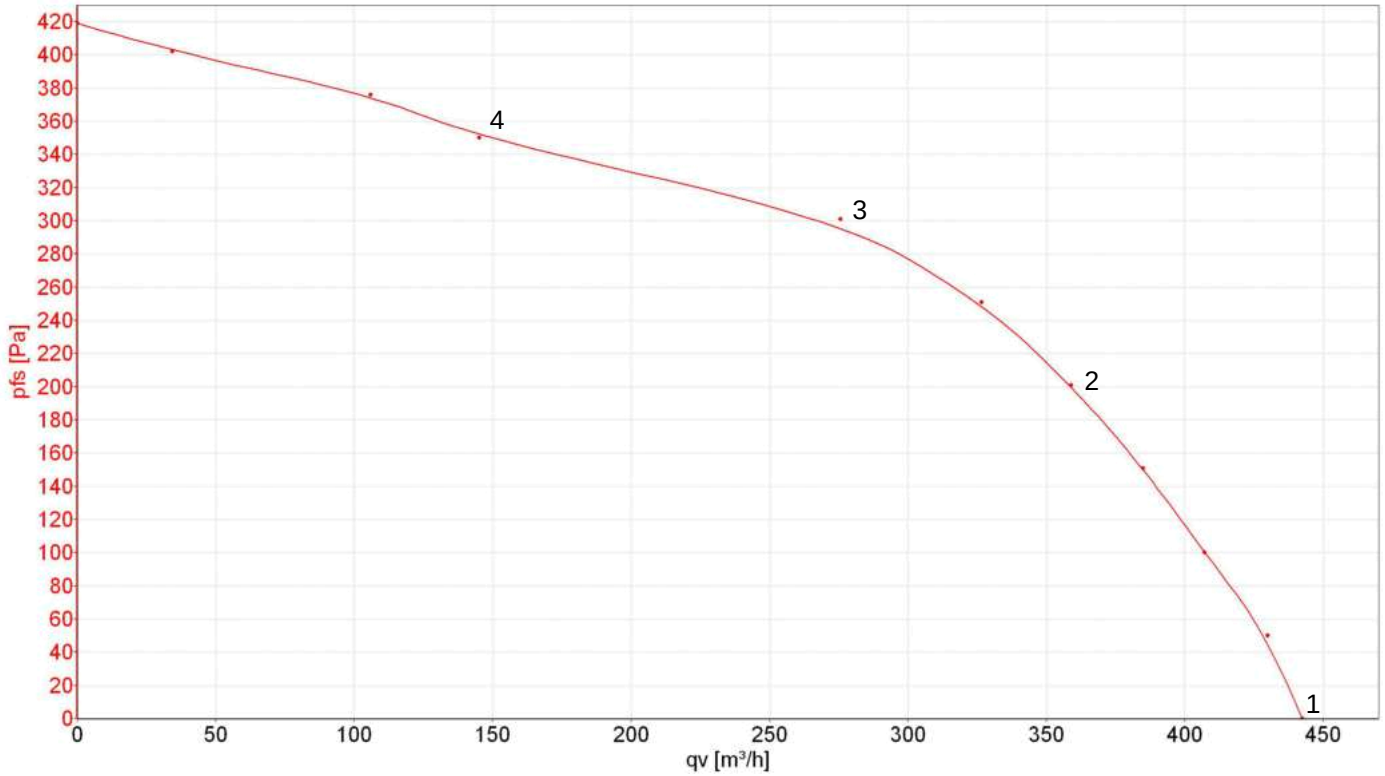
U1	blue	Z	brown	U2	black
PE	green/yellow				

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Curves: Air performance 50 Hz



Measured values

	U	f	n	P_e	I	qv	p_{fs}
	V	Hz	min^{-1}	W	A	m^3/h	Pa
1	230	50	1850	140	0.63	442	0
2	230	50	2245	120	0.54	359	201
3	230	50	2440	104	0.48	276	301
4	230	50	2655	88	0.45	145	350

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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