

Technical data sheet

Revision d
Revision 06/2025

ECOFIT

by

rosenberg
THE AIR MOVEMENT GROUP
VENDÔME

Part-number
R14-A0-1

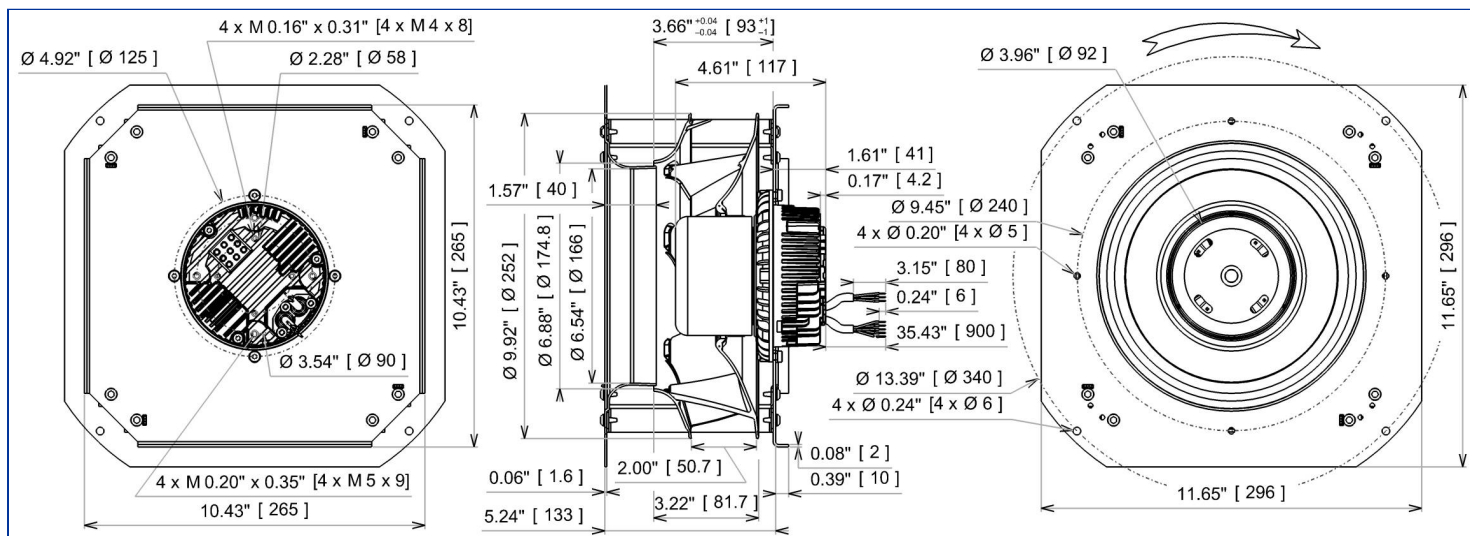


Designation **RRMuV8 250x50R**

Range Backward curved centrifugal fans with electronic commutation motor

ELECTRICAL DATA

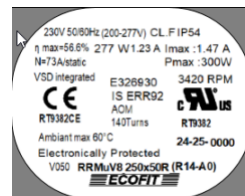
Voltage (V)	230
Frequency (Hz)	50/60
Current (A)	1.23
Maximum current (A)	1.47
Power (W)	277
Maximum power (W)	300
Speed rotation (RPM)	3420
Cos Φ	0.979
Temperature min/max (°C)	-20/+60



MARKING & STANDARDS

Conformity

- CE** RT9382CE IEC 60335-2-80, IEC 60335-1, EN 60331-2-80, EN 60335-1
- UL** RT9382 UL1004-1, 2nd edition rotating electrical machine
File number E326930



The product is manufactured in accordance with EN 60335-1, UL1004-1, and RoHS directive 2015/863/CE
IP class according to EN 60034-5 to be checked with operation and installation

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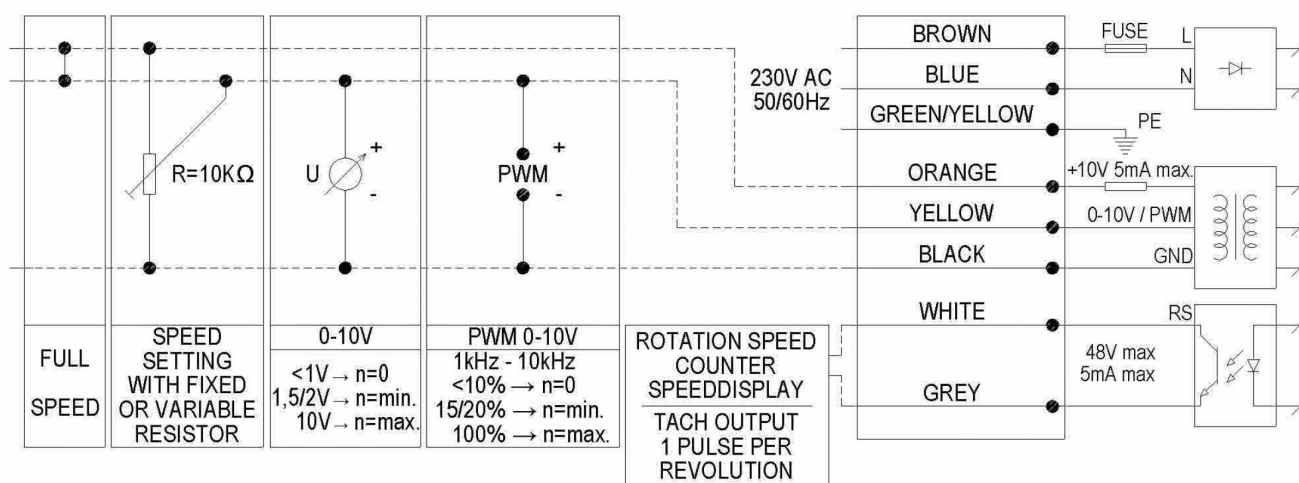
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TECHNICAL DATA

Description

- Weight: 5.10 kg
- Class F
- Ingress Protection : IP 54 | Protection against ingress of dust / Protection against ingress of water : splashing
- Motor's protection Electronically protected
- Bearing type: 2 ball bearings 6000ZZ
- Balance level: G2.5

Wiring diagram



Finishes

- Rotor electrolytic galvanizing protection
- PA 6/6 UL 94 V-0 plastic impeller
- Motor - UL Recognized component

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ADDITIONAL DATA

Optional accessories

- 21360 | Finger guard

Documentations

- Operating and recycling manual.
<https://en.ecofit.com/contact/contact/5-contact-us.html>

Measurement setup

- Ouie 16234-0 Ouie 250R69

ERP DATA

Data according to ErP directive

Voltage	230	V
Frequency	50/60	Hz
Power ¹	0.3	kW
Airflow ¹	970	m3/h
Pressure ¹	560	Pa
Speed rotation ¹	3180	RPM
Installation category	A	
Efficiency category	total	
Variable speed driver	Yes	
Special ratio	1.00	

- Designed for standard applications according to the directive EU 2009/125/EC

	Actual	2015
Overall efficiency	56.6	46.0
Efficiency grade	73	62

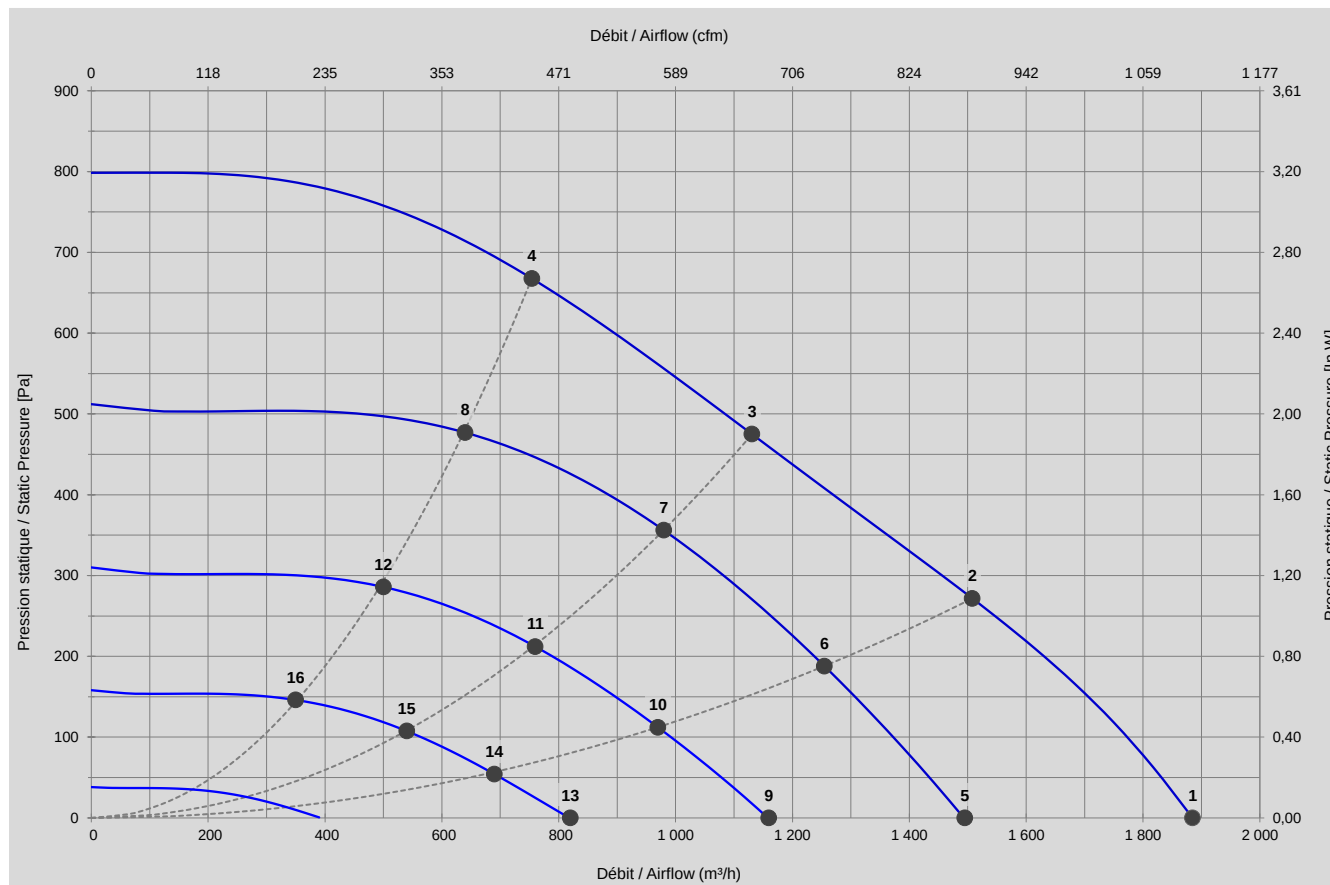
¹ at optimum energy efficiency point

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TECHNICAL DATA



Mesures / Measured Values*

	Un (V)	Vctl (Vdc)	F (Hz)	P (W)	n (RPM)	Q (m³/h)	P (Pa)	Q (cfm)	P (in.W)	Lp _{in} (dBA)
1	230	10	50/60	277	3420	1 885	0	1 110	0,000	73
2	230	10	50/60	300	3301	1 508	272	888	1,088	73
3	230	10	50/60	300	3174	1 131	475	666	1,903	70
4	230	10	50/60	300	3249	754	668	444	2,675	69
5	230	8	50/60	150	2750	1 495	0	880	0,000	69
6	230	8	50/60	178	2759	1 255	188	739	0,752	68
7	230	8	50/60	198	2759	980	356	577	1,426	65
8	230	8	50/60	187	2754	640	477	377	1,911	65
9	230	6	50/60	78	2150	1 160	0	682	0,000	64
10	230	6	50/60	89	2145	970	112	571	0,449	62
11	230	6	50/60	99	2146	760	212	447	0,849	59
12	230	6	50/60	94	2142	500	286	294	1,145	58
13	230	4	50/60	36	1535	820	0	483	0,000	
14	230	4	50/60	41	1536	690	54	406	0,217	
15	230	4	50/60	43	1535	540	107	318	0,431	
16	230	4	50/60	41	1535	350	146	206	0,585	

* Air performance measured according to: ISO 5801, installation category C.

Intake-side sound level: according to ISO 3744, LpA measured at 1 m distance from fan axis. The values given are only applicable under the specified measuring conditions and may differ depending on the installation conditions. In the event of deviation

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