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Date of the revision 2022-08-24: Creation of the technical file

RANGE: Backward curved centrifugal fans with single phase asynchronous motor

OEP	Test	LH43Bn	Customer	Rosenberg US
	Winding	I65	Reference	
Drawing of the product	BIS_T04-A3 p_l=0.pdf		Designation	2RREu35 225x63R



ELECTRICAL DATA

Speed		
Tension (V)	230	230
Frequency (Hz)	50	60
Current (A)	0.63	0.86
Maximum current (A)	0.77	1.00
Power (W)	143	197
Maximum power (W)	160	211
Rotation (RPM)	2505	2640
Cos Φ	0.987	0.996
Temperature min/max (°C)	-40/+70	-40/+70
Capacitor (μF)	4.00	4.00
U_condo (V)	400	400
Comments	Débit libre sur plaque	Débit libre sur plaque

Winding temperature cold (Temperature at 20°C, tolerances 7%)

PP	PA
54.0 Ohm	67.0 Ohm

Temperature variation ()

F (Hz)	Average elevation (°K)	Speed
50 Hz	74 °K	
60 Hz	65 °K	

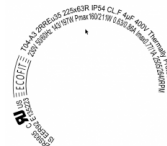
Dielectric strength 1500 VAC 60 seconds

Direction of rotation CW

MARKING & STANDARDS

Conformity

- UL 2RS935 1004 REC92 MonoPhasé (PRGY2,8)
File number E132643



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TECHNICAL DATA

Description

- Weight: 2.30 kg
- With Condensat Drain Holes
- Class F
- Protection level: 54 | Protection against ingress of dust / Protection against ingress of water : splashing
- Motor's protection T150° C UL Automatic reset
- Bearing type: 2 sealed ball bearings 608 2RSL
- Balance level: G2.5

Special features

- Motor with protection against humidity : Silicone on connections

Limiting conditions of operation

- any

ADDITIONAL DATA

Documentations

- Operating and recycling manual
<http://www.ecofit.com/anglais/normes>

Measurement setup

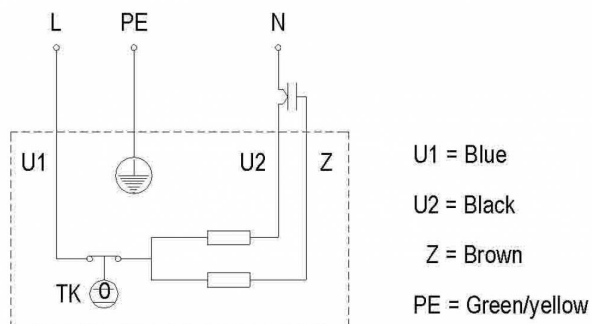
- Ouie 16214-a Ouie Ø252 ext Ø155 int
GALVA

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CONNECTORS

Wiring diagram

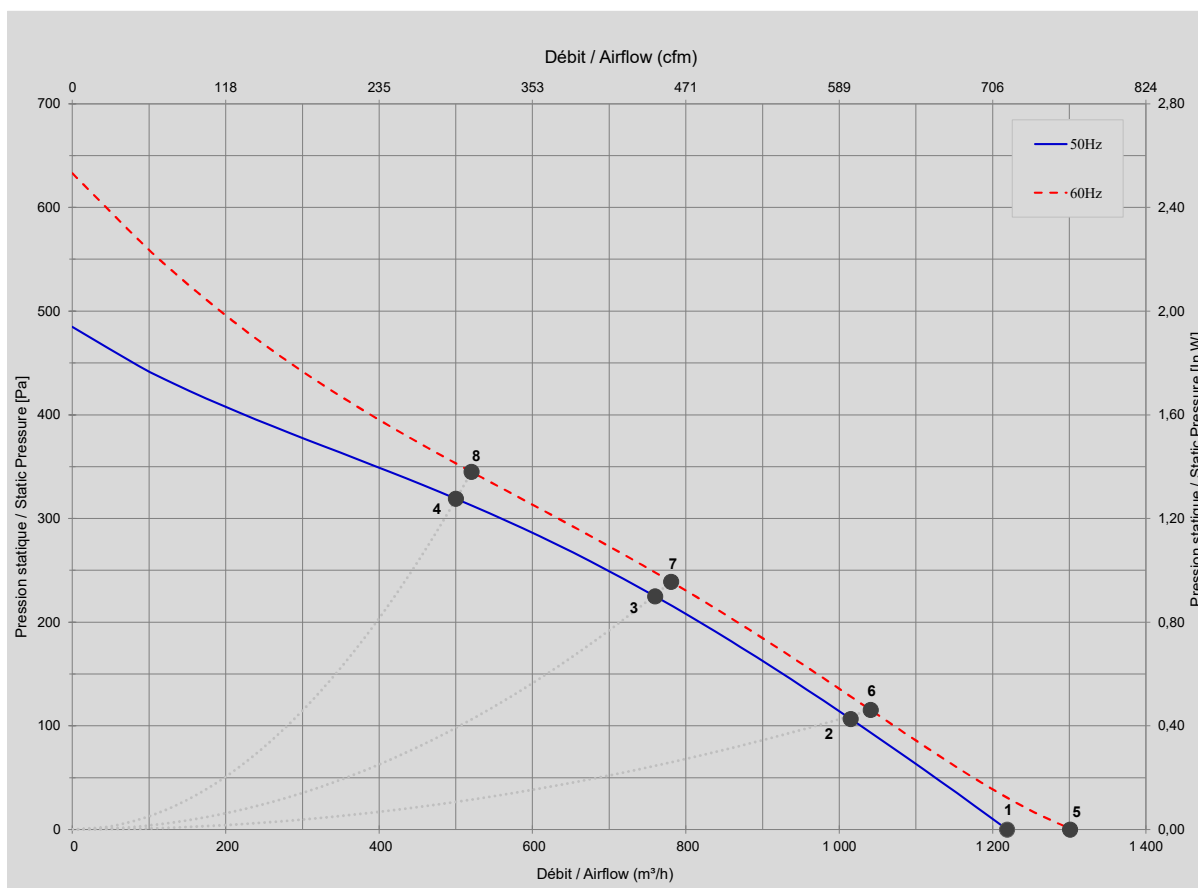


ERP DATA

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TECHNICAL DATA



Mesures / Measured Values *

	Un (V)	F (Hz)	C (µF)	P (W)	n (RPM)	Q (m³/h)	P (Pa)	Q (cfm)	P (in.W)	Lp _{in} (dBA)
1	230	50	4	143	2505	1 219	0	717	0,000	
2	230	50	4	154	2408	1 015	107	597	0,427	
3	230	50	4	160	2368	760	225	447	0,901	
4	230	50	4	151	2444	500	319	294	1,278	
5	230	60	4	197	2640	1 301	0	766	0,000	
6	230	60	4	207	2485	1 041	115	613	0,462	
7	230	60	4	209	2409	781	239	460	0,957	
8	230	60	4	201	2523	520	345	306	1,382	

* 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