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Date of the revision 2022-05-02: Creation of the technical file

RANGE: Backward curved centrifugal fans with single phase asynchronous motor

OEP	LS28A	Test	LM11Bf	Customer	Rosenberg US
		Winding	G38	Reference	
Drawing of the product	BIS_S27-A2 p_l=a.pdf			Designation	2RREu45 225x50R



ELECTRICAL DATA

Speed	GV	GV
Tension (V)	230	230
Frequency (Hz)	50	60
Current (A)	0.49	0.72
Maximum current (A)	0.74	1.08
Power (W)	110	165
Maximum power (W)	151	225
Rotation (RPM)	2860	3315
Cos Φ	0.976	0.996
Temperature min/max (°C)	-40/+70	-40/+70
Capacitor (μF)	4.00	4.00
U_condo (V)	400	400
Comments	Debit libre	

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

PP	PA
31.0 Ohm	53.0 Ohm

Temperature variation (110% of the voltage)

F (Hz)	Average elevation (°K)	Speed
50 Hz	52 °K	GV
60 Hz	51 °K	GV

Dielectric strength 1500 VAC 60 seconds

Direction of rotation CW

MARKING & STANDARDS

Conformity

- CE
- UKCA
- UL 2RS945 2111 REC92 MonoPhasé (XEWR2,8)
File number E135223



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TECHNICAL DATA

Description

- Weight: 3.00 kg
- With Condensat Drain Holes
- Class F
- Protection level: 44 | Protection against ingress of solid with diameter ≥ 1 mm / Protection against ingress of water : splashing
- Motor's protection T150° C UL Automatic reset
- Bearing type: 2 ball bearings 608ZZ + 6000ZZ
- Balance level: G2.5

Special features

- any

Limiting conditions of operation

- any

ADDITIONAL DATA

Documentations

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

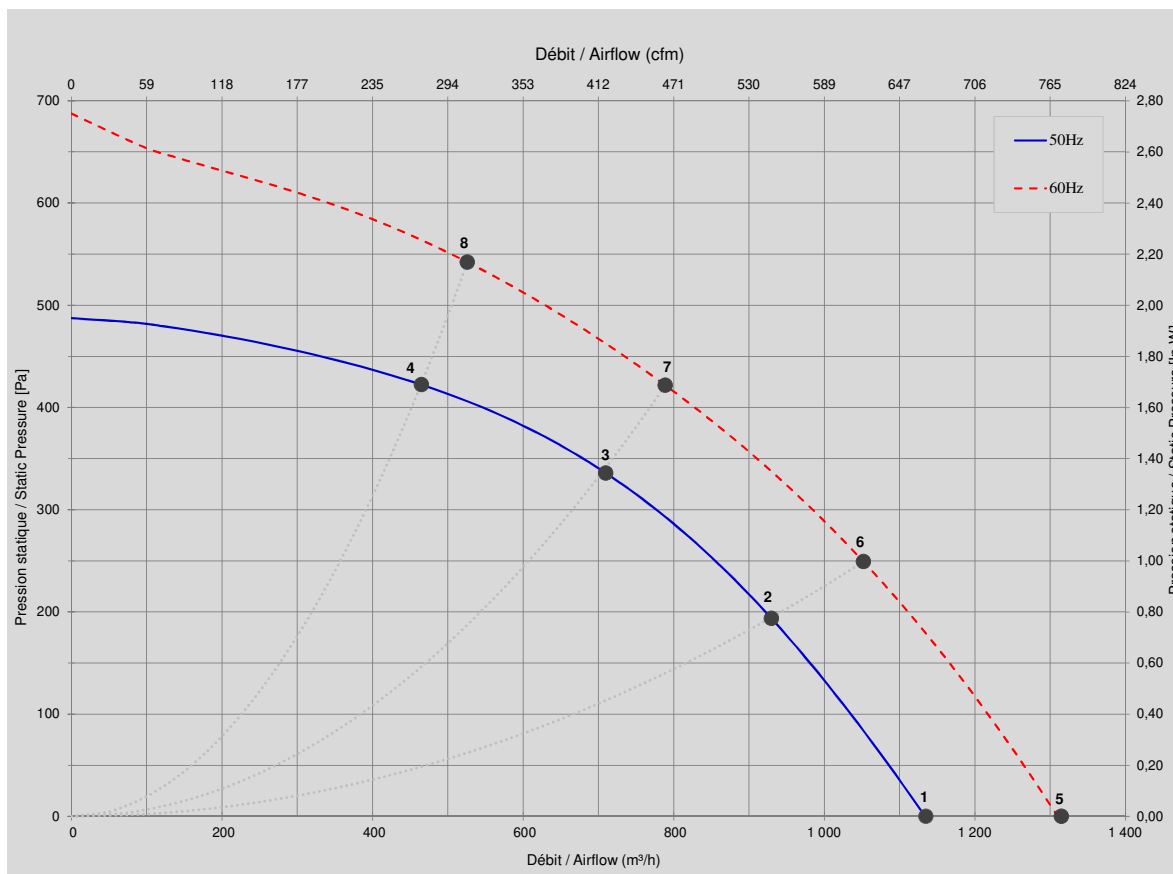
Measurement setup

- Ouie 16236-0 Ouie Ø261Ex Ø150.5 int galva

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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	110	2860	1 135	0	668	0,000	72,0
2	230	50	4	137	2777	930	193	547	0,775	68,0
3	230	50	4	150	2747	710	336	418	1,345	65,0
4	230	50	4	144	2767	465	422	274	1,692	64,0
5	230	60	4	165	3315	1 315	0	774	0,000	76,0
6	230	60	4	205	3164	1 052	249	619	0,998	71,0
7	230	60	4	224	3067	789	422	464	1,689	67,0
8	230	60	4	214	3115	526	542	310	2,172	68,0

* 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