

Author: G. REZOHIER Date of the revision 19/06/2020: Document update (stapled scroll)

RANGE: Double inlet centrifugal fans with single phase asynchronous motor

Technical study number	Test	LR54Ka	Customer
OEP	LA22A	Winding	BB25
Drawing of the product	BIS_A22-A0 p_l=j.pdf	Designation	4GDS25 133x190L



ELECTRICAL DATA

Speed		
Tension (V)	230	230
Frequency (Hz)	50	60
Current (A)	0.35	0.41
Maximum current (A)	0.39	0.45
Power (W)	78	94
Maximum power (W)	78	94
Rotation (RPM)	1140	1200
Cos Φ	0.969	0.997
Temperature min/max (°C)	-20/+70	-20/+70
Capacitor (μ F)	2.00	2.00
U_condo (V)	400	400
Comments	Debit libre	Debit libre

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

PP	PA
177.0 Ohm	215.0 Ohm

Temperature variation (110% of the voltage)

F (Hz)	Average elevation (°K)	Speed
50 Hz	63 °K	
60 Hz	56 °K	

Dielectric strength 1500 VAC

Direction of rotation CCW

MARKING & STANDARDS

Conformity

- CE



Thermally Protected 25-20 000
A22-A0

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TECHNICAL DATA

Description

- Weight: 3.60 kg
- Without 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 Automatic reset
- Bearing type: 2 ball bearings 608ZZ
- Balance level: G2.5

Special features

- Wiring : Bornier wago
- Assembling type : Capacitor attached to the volute

Limiting conditions of operation

- (aucune)

ADDITIONAL DATA

Documentations

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

Measurement setup

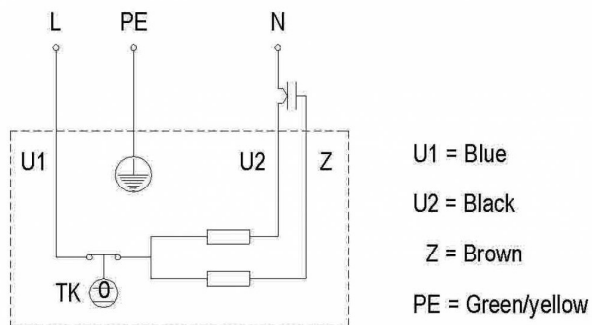
- Scroll 15278-a VOL VHD232 H18 XC PN

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CONNECTORS

Wiring diagram



ERP DATA

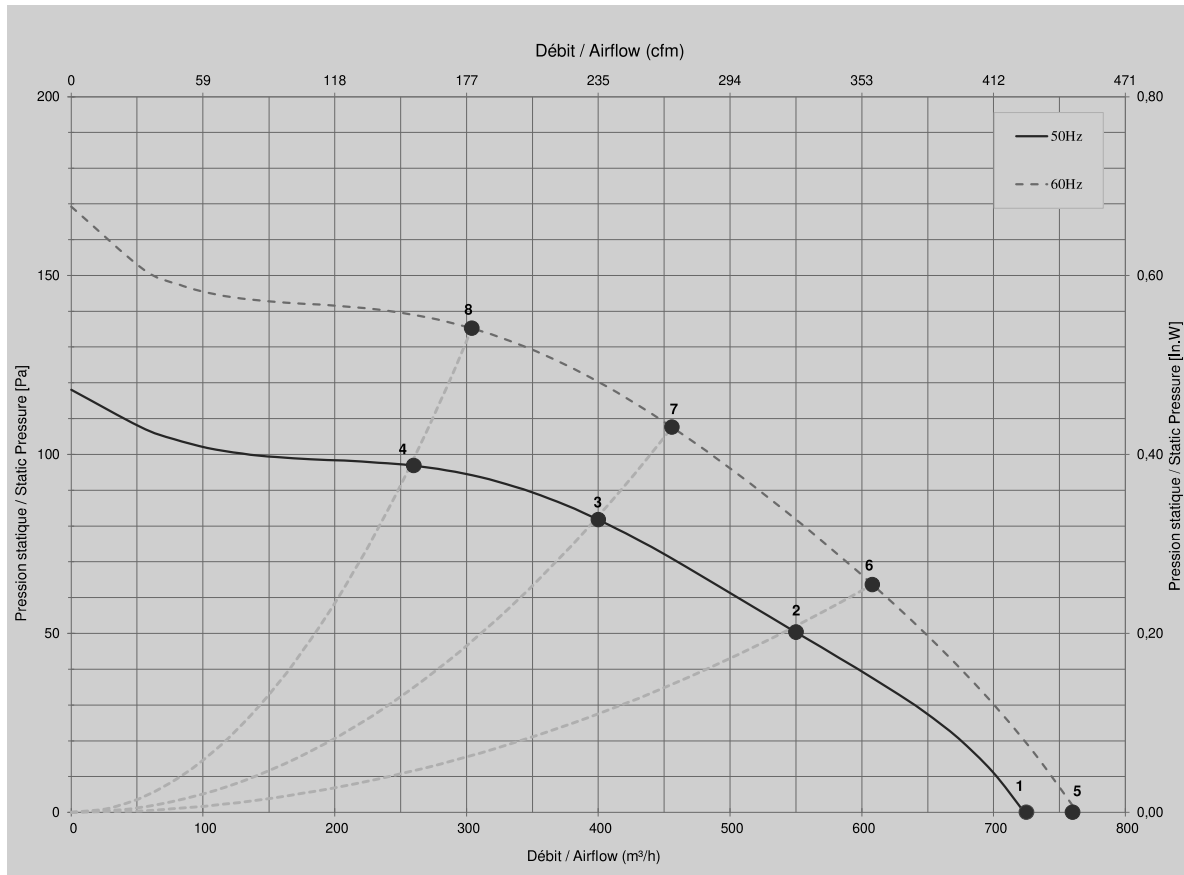
ErP Directive ErP (EU 2009/125/EC) not applicable:

- Power at optimum energy efficiency point <125W

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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	2	78	1140	725	0	427	0,000	63,0
2	230	50	2	70	1272	550	50	324	0,202	59,2
3	230	50	2	66	1341	400	82	235	0,328	57,9
4	230	50	2	62	1391	260	97	153	0,388	56,6
5	230	60	2	94	1200	760	0	447	0,000	64,5
6	230	60	2	85	1417	608	64	358	0,255	62,2
7	230	60	2	77	1536	456	108	268	0,431	61,4
8	230	60	2	71	1629	304	135	179	0,542	60,0

* 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