

RANGE: Double inlet centrifugal fans with electronic commutation motor

OEP	Test	LU21Aa	Customer	ECOFIT
	Winding	01V	Reference	
Drawing of the product	BIS_R36-A0-1_l=b.pdf	Designation	GDSV8	160x160L



ELECTRICAL DATA

Tension (V)	230
Frequency (Hz)	50/60
Current (A)	1.33
Maximum current (A)	1.46
Power (W)	300
Maximum power (W)	300
Rotation (RPM)	2050
Cos Φ	0.981
Temperature min/max (°C)	-20/+60
Comments	

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

1
18.8 Ohm

Dielectric strength 2176VDC 60 secondsDirection of rotation CCW

MARKING & STANDARDS

Conformity

- CE RT9382CE IEC 60335-2-80, IEC 60335-1, EN 60331-2-80, EN 60335-1

ECOFIT GDSV8 160x160L (2050/77V) 230V 50/60Hz CL.F 1.33A 300W 2550RPM IP54 Pmax :300W Imax :1.46 A V020 Electronically Protected R36-A0	CE RT9382CE Ambient max 80°C η max=46.4% N=18 Automatic VSD integrated 07-24-0000
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Date of the revision 2024-02-14: Replacement with a stapled scroll
and material change

TECHNICAL DATA

Description

- Weight: 5.30 kg
- Class F
- Protection level: 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

Special features

- Configuration: V020
- Input resistance 0-10V : 100KΩ
- Range of use : 230VAC (200-277V)
- Assembling type : Grounding the volute

Limiting conditions of operation

- ESD : Take care on Low voltage cable

ADDITIONAL DATA

Documentations

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

Measurement setup

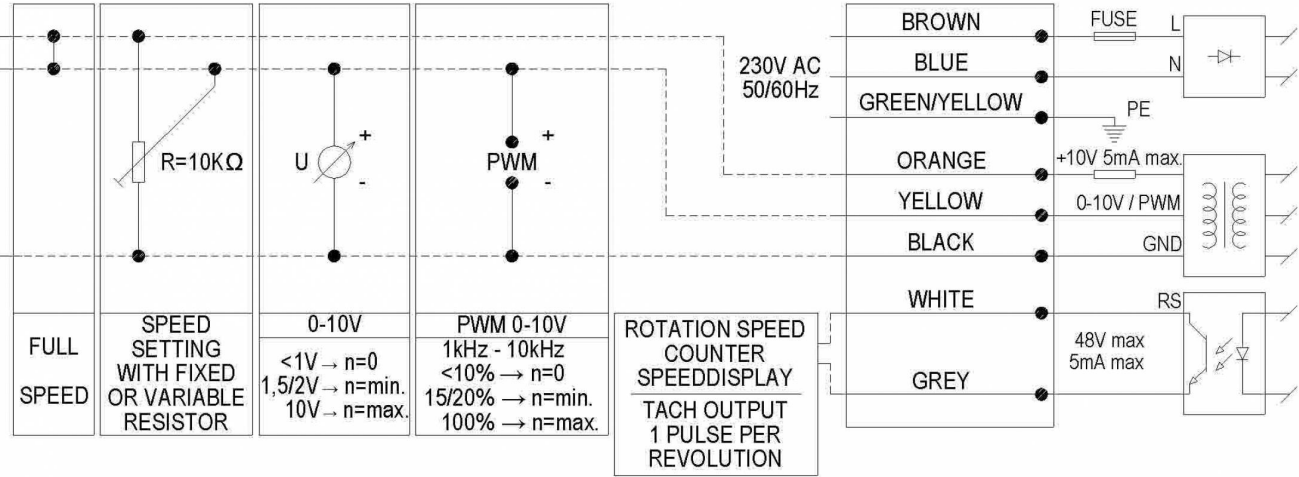
- Scroll 15339-b Vol VVD176 P/T2
ouie135mmGALVA

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CONNECTORS

Wiring diagram



ERP DATA

Data according to ErP directive

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

Tension	230 V
Frequency	50/60 Hz
Power ¹	0.175 kW
Airflow ¹	592 m3/h
Pressure ¹	433 Pa
Rotation ¹	2467 RPM
Catégorie de mesure	A
Catégorie de rendement	total
Variateur de vitesse	Yes
Rapport spécifique	1.00

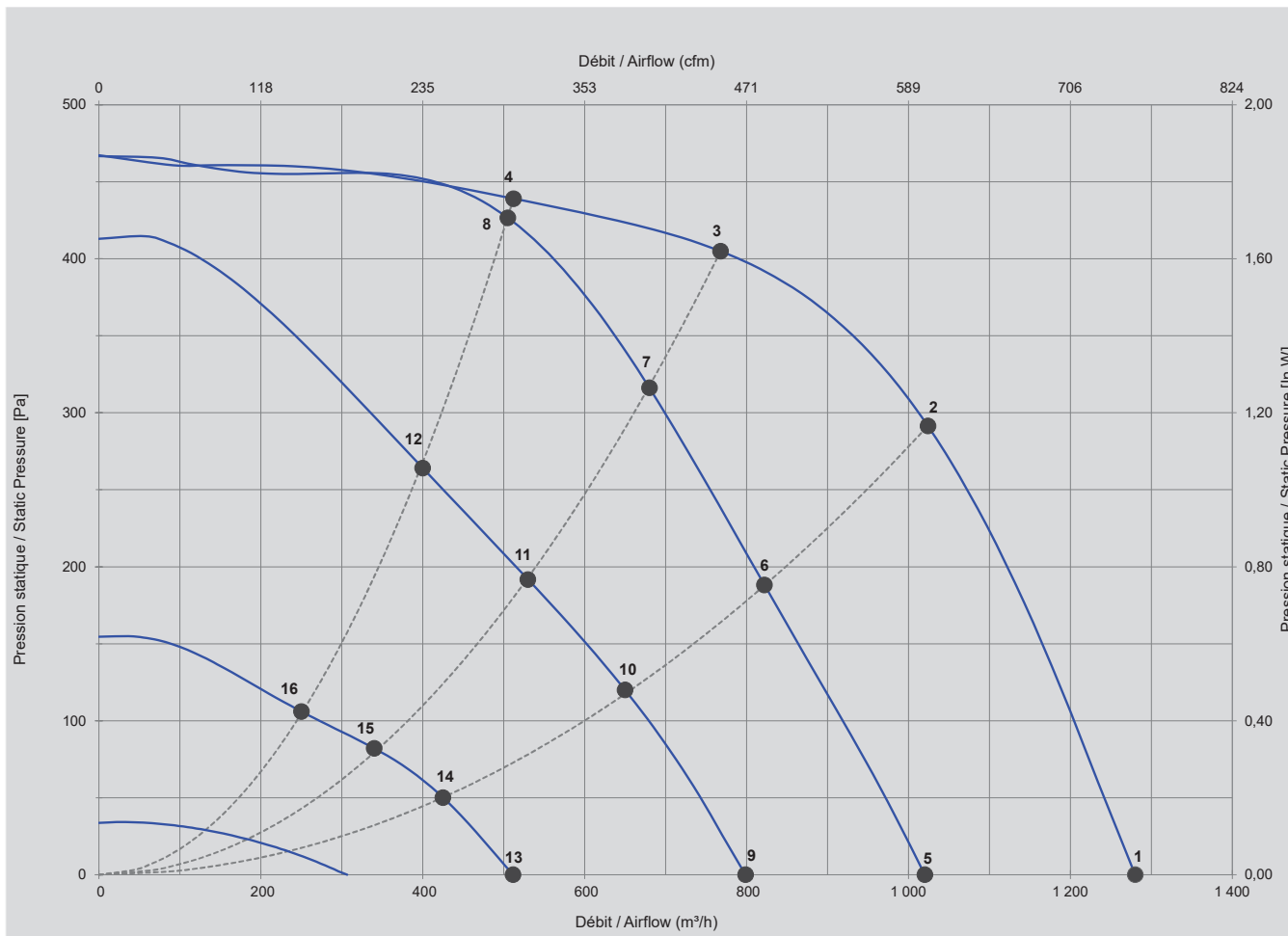
	Actual	2015
Rendement global	46.4	32.9
Niveau de rendement	58	44

¹ at optimum energy efficiency point

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TECHNICAL DATA



Mesures / Measured Values*

	Un (V)	Vctl (V)	F (Hz)	P (W)	n (RPM)	Q (m³/h)	P (Pa)	Q (cfm)	P (in.W)	Lp _{in} (dBA)
1	230	10	50/60	300	2050	1 280	0	753	0,000	
2	230	10	50/60	285	2380	1 024	291	603	1,167	
3	230	10	50/60	218	2447	768	405	452	1,622	
4	230	10	50/60	154	2472	512	439	301	1,759	
5	230	8	50/60	152	1630	1 020	0	600	0,000	
6	230	8	50/60	150	1916	822	188	484	0,754	
7	230	8	50/60	154	2170	680	316	400	1,267	
8	230	8	50/60	150	2435	505	427	297	1,709	
9	230	6	50/60	79	1300	799	0	470	0,000	
10	230	6	50/60	79	1531	650	120	383	0,480	
11	230	6	50/60	79	1716	530	192	312	0,768	
12	230	6	50/60	80	1921	400	264	235	1,058	
13	230	4	50/60	27	850	512	0	301	0,000	
14	230	4	50/60	28	1004	425	50	250	0,201	
15	230	4	50/60	28	1120	340	82	200	0,329	
16	230	4	50/60	28	1242	250	106	147	0,425	

* 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

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

Réf. EV EC 025 - Revision c

Issued: 2024-02-14 at 11:46 Documentations and pictures are non contractual, all the data of the technical file and the drawing are subject to change.

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