

Author: G. REZOHIER

Date of the revision 2023-11-23: Documentary Update (UKCA Marking)

RANGE: Double inlet centrifugal fans with electronic commutation motor

OEP

ND

Test

LQ41Qc

Customer

Winding

09V

Reference

Drawing of the product

BIS_P27-A1-1_l=b.pdf

Designation

GDSV8
146x188L



ELECTRICAL DATA

Tension (V)	230
Frequency (Hz)	50/60
Current (A)	0.90
Maximum current (A)	1.00
Power (W)	200
Maximum power (W)	203
Rotation (RPM)	1945
Cos Φ	0.966
Temperature min/max (°C)	-20/+60
Comments	

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

1
15.9 Ohm

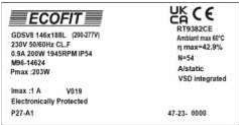
Dielectric strength 2176VDC 60 seconds

Direction of rotation CCW

MARKING & STANDARDS

Conformity

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



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TECHNICAL DATA

Description

- Weight: 4.90 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: V019
- 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

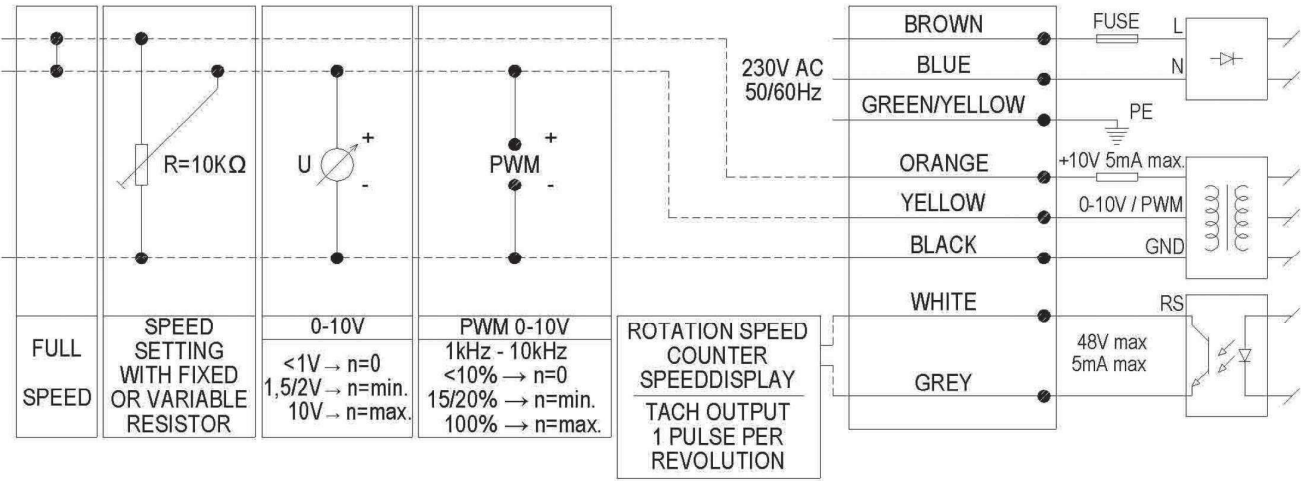
- Scroll 15278 VOL VHD232 H18

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CONNECTORS

Wiring diagram



ERP DATA

Data according to ErP directive

Tension	230 V
Frequency	50/60 Hz
Power ¹	0.199 kW
Airflow ¹	590 m3/h
Pressure ¹	459 Pa
Rotation ¹	2745 RPM
Catégorie de mesure	A
Catégorie de rendement	total
Variateur de vitesse	Yes
Rapport spécifique	1.00

	Actual	2015
Rendement global	42.9	33.2
Niveau de rendement	54	44

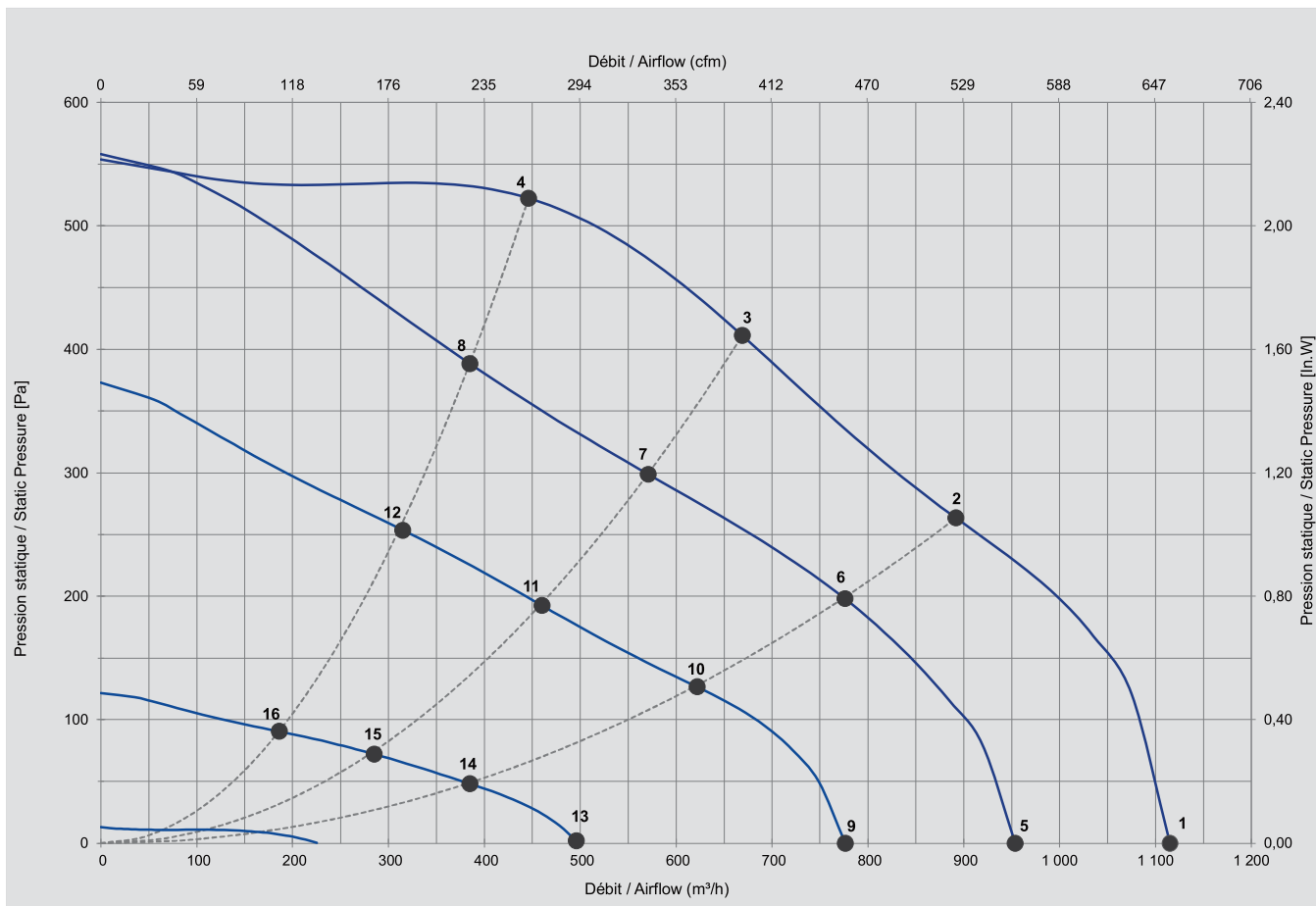
- Designed for standard applications according to the directive EU 2009/125/EC

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	201	1976	1 115	0	656	0,000	
2	230	10	50/60	202	2287	892	263	525	1,055	
3	230	10	50/60	203	2626	669	411	394	1,647	
4	230	10	50/60	193	2923	446	522	263	2,093	
5	230	8	50/60	132	1706	954	0	561	0,000	
6	230	8	50/60	131	1958	776	198	457	0,794	
7	230	8	50/60	131	2257	571	299	336	1,197	
8	230	8	50/60	131	2526	385	388	227	1,556	
9	230	6	50/60	73	1377	776	0	457	0,000	
10	230	6	50/60	74	1597	622	127	366	0,507	
11	230	6	50/60	73	1820	460	193	271	0,771	
12	230	6	50/60	75	2037	315	254	185	1,016	
13	230	4	50/60	25	861	496	2	292	0,007	
14	230	4	50/60	24	993	385	48	227	0,193	
15	230	4	50/60	24	1114	285	72	168	0,289	
16	230	4	50/60	24	1231	186	91	109	0,363	

* 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 installationRéf. EV EC 025 - Revision c
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Issued: 2023-11-23 at 07:56

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