

Author: G. REZOHIER

Date of the revision 2026-03-13: Technical file creation

RANGE: Single inlet centrifugal fans with electronic commutation motor

OEP	Test	LY43la	Customer
	Winding	36G	Reference
Drawing of the product	BIS_Z21-H1-1_I=0.pdf	Designation	GREG9 160x62R



ELECTRICAL DATA

Voltage (V)	230
Frequency (Hz)	50/60
Current (A)	0.47
Maximum current (A)	1.21
Power (W)	55
Maximum power (W)	154
Speed rotation (RPM)	1420
Cos Φ	0.509
Temperature min/max (°C)	-20/+50
Comments	free air flow

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

1
24.0 Ohm

Dielectric strength 2044 VDC **60 seconds**

Direction of rotation CW

MARKING & STANDARDS

Conformity

- **CE** RT91927CE EN 60335-1, IEC 60335-1, EN 60331-2-80, IEC 60335-2-80

ECOFIT	CE
GREG9 160x62R 230V 50/60Hz CL.F 0.47A 55W 1420RPM IP54	RT91927CE Ambient max 50°C η max=48.7% N=60 A/static VSD integrated
Pmax :154W Imax :1.21 A D045 Electronically Protected Z21-H1	11-26-0000

Author: G. REZOHIER

Date of the revision 2026-03-13: Technical file creation

TECHNICAL DATA

Description

- Weight: 2.95 kg
- Class F
- Ingress Protection : IP 54 | Protection against ingress of dust / Protection against ingress of water : splashing
- Motor's protection Electronically protected
- Bearing type: 2 ball bearings 608ZZ
- Balance level: G2.5

Special features

- Configuration: D045
- Input resistance 0-10V : 100K Ω
- Type of regulation : Constant flow

Limiting conditions of operation

- ESD : Take care on Low voltage cable

ADDITIONAL DATA

Documentations

- Operating and recycling manual.
<https://en.ecofit.com/contact/contact/5-contact-us.html>

Measurement setup

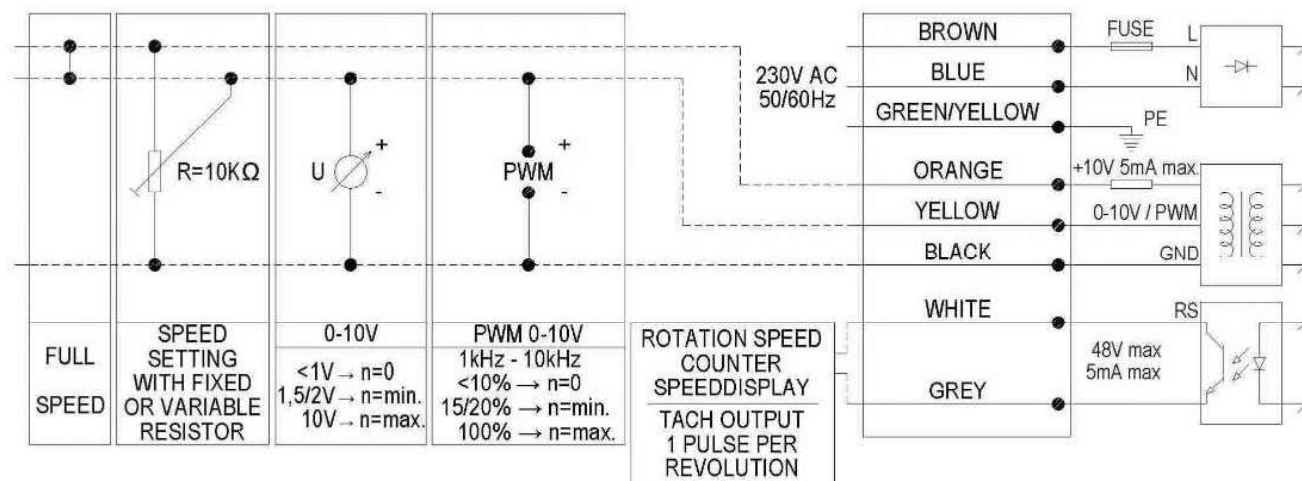
- Scroll 15578-a vol VVD98 O135 galva agrafée

Author: G. REZOHIER

Date of the revision 2026-03-13: Technical file creation

CONNECTORS

Wiring diagram



ERP DATA

Data according to ErP directive

Voltage	230	V
Frequency	50/60	Hz
Power ¹	0.152	kW
Airflow ¹	359	m3/h
Pressure ¹	649	Pa
Speed rotation ¹	2884	RPM
Installation category	A	
Efficiency category	static	
Variable speed driver	Yes	
Special ratio	1.00	

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

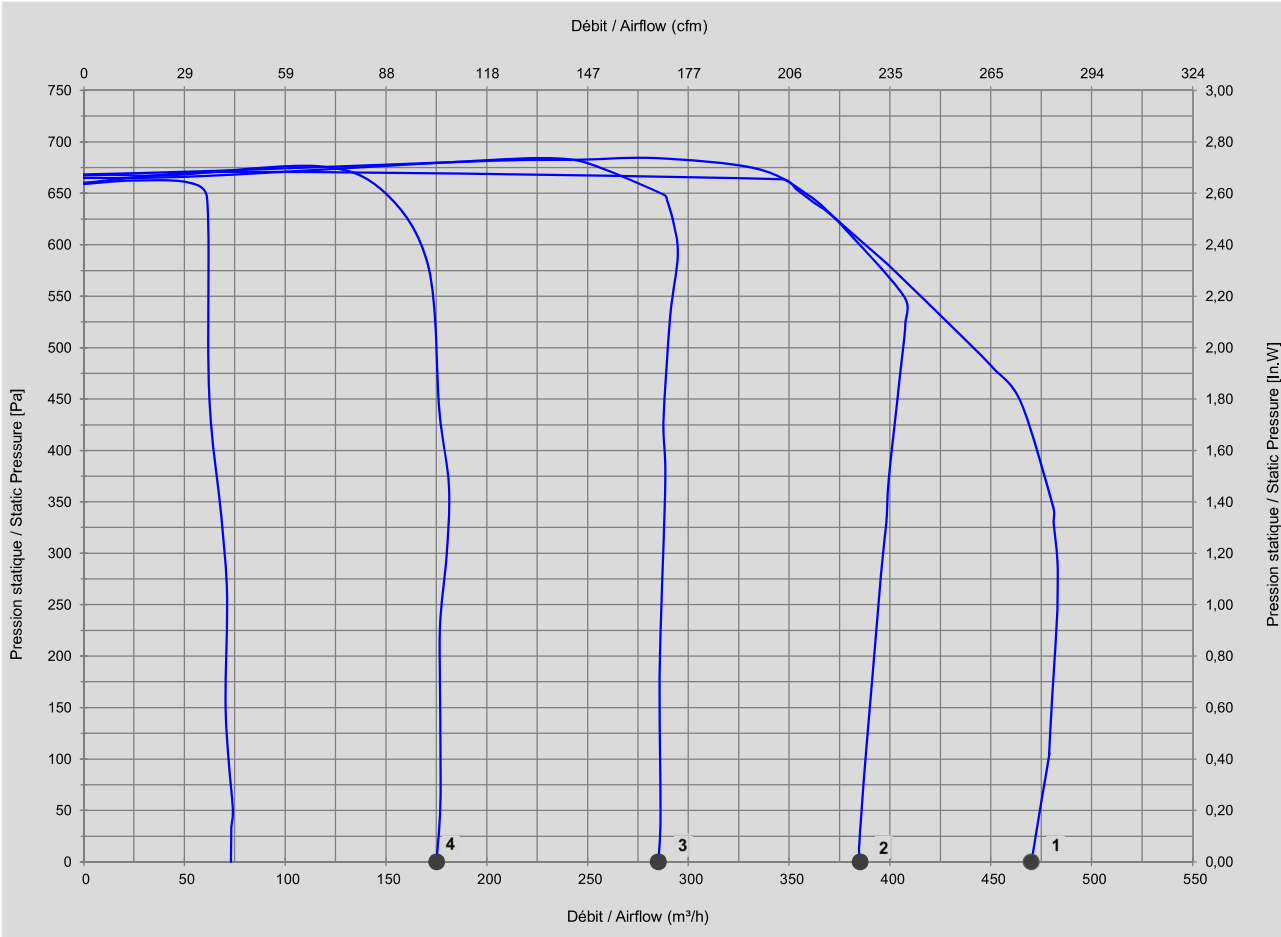
	Actual	2015
Overall efficiency	48.7	32.5
Efficiency grade	60	44

¹ at optimum energy efficiency point

Author: G. REZOHIER

Date of the revision 2026-03-13: Technical file creation

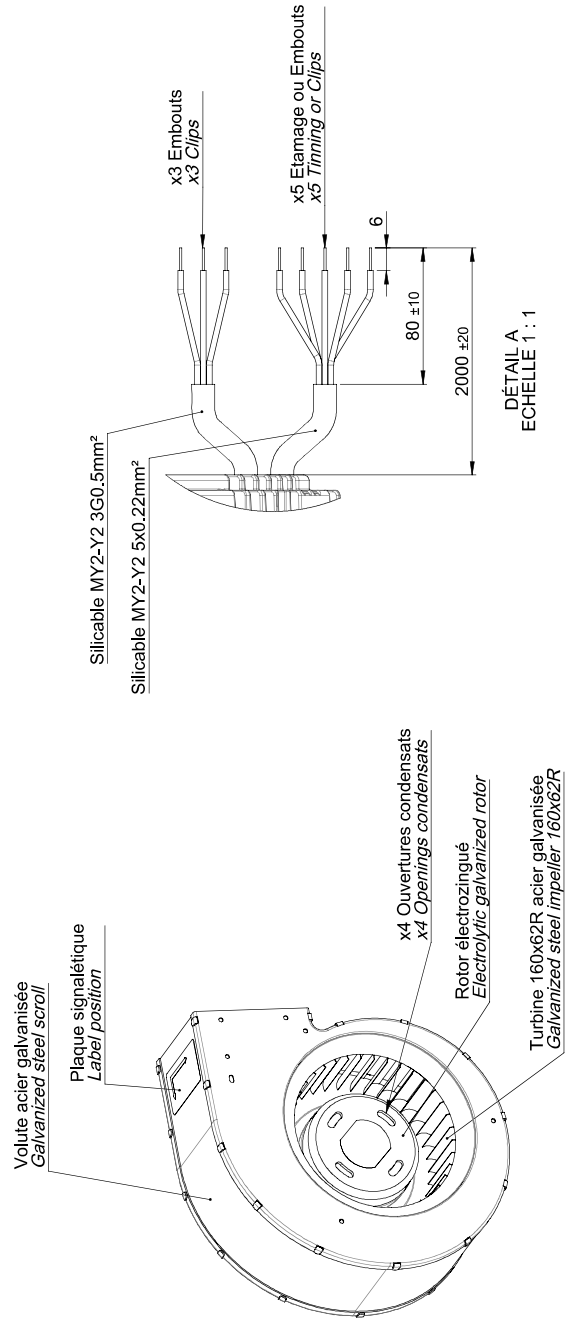
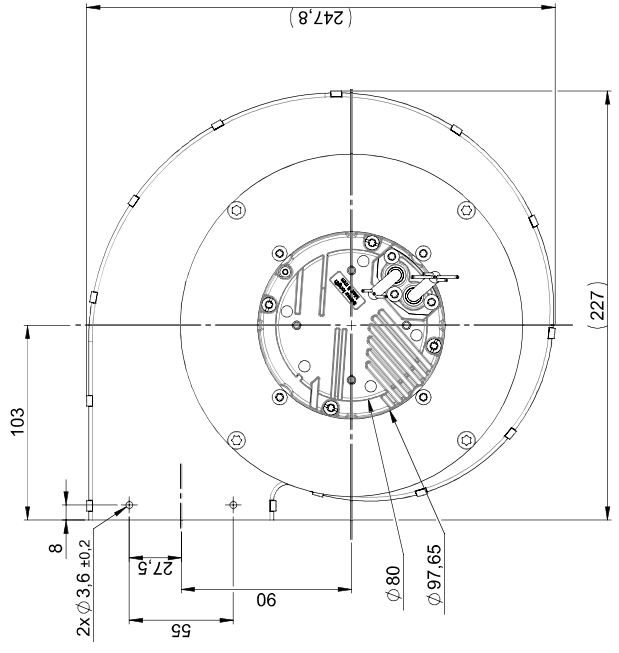
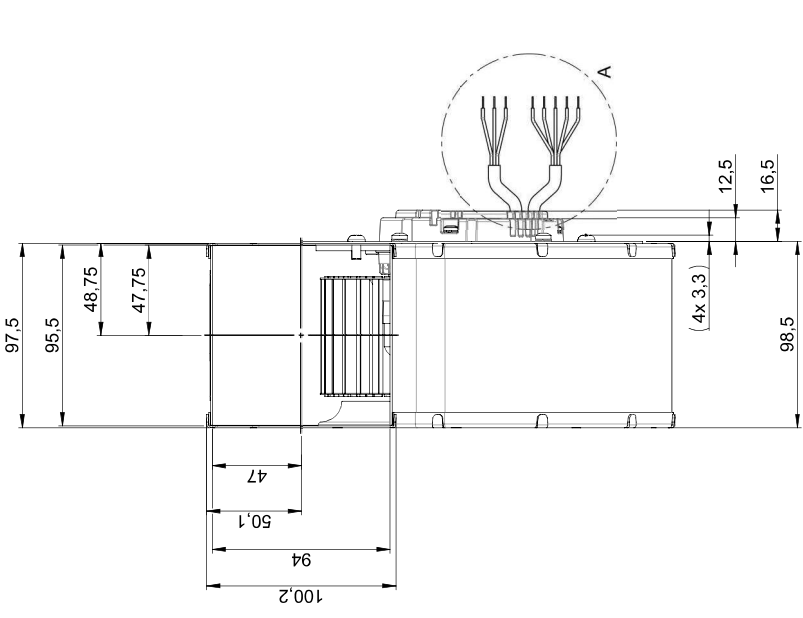
TECHNICAL DATA



Mesures / Measured Values*

	Un (V)	Vctl (V)	F (Hz)	P (W)	n (RPM)	Q (m³/h)	P (Pa)	Q (cfm)	P (In.W)	Lp _n (dBA)
1	230	10	50/60	55	1420	470	0	277	0,000	62
2	230	8	50/60	30	1160	385	0	227	0,000	57
3	230	6	50/60	13	865	285	0	168	0,000	50
4	230	4	50/60	4	530	175	0	103	0,000	37

* 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.



0	12/06/2025	Création	TBT
INDICE	DATE	LIBELLÉ	AUTEUR
Format A2	Folio 1/1	Checked by: SLT	Datasheet EV.EC.025
Scl. 1:2	12/06/2025	General tolerances: ±2mm	This drawing can be modified only with CAD system
SINGLE INLET CENTRIFUGAL FAN MOTO VENTILATEUR GREG9 160x62R			
rosenberg THE A.T. MOVEMENT GROUP VENDÔME			
SolidWorks 2021	N° Z21-H1-1		Revision: 0