

Author: G. REZOHIER

Date of the revision 18/06/2020: Creation of the technical file

RANGE: Backward curved centrifugal fans with electronic commutation motor

Technical study number	DET2020/47	Test	LM16Bb	Customer	Rosenberg US
OEP		Winding	04G	Reference	
Drawing of the product	BIS_T42-A4-1_l=a.pdf			Designation	RREuG9 180x35R



ELECTRICAL DATA

Tension (V)	230
Frequency (Hz)	50/60
Current (A)	0.62
Maximum current (A)	0.75
Power (W)	72
Maximum power (W)	92
Rotation (RPM)	3680
Cos Φ	0.505
Temperature min/max (°C)	-20/+50
Comments	

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

1
18.2 Ohm

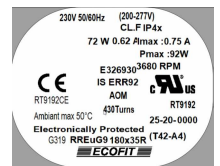
Dielectric strength 2516Vdc

Direction of rotation CW

MARKING & STANDARDS

Conformity

- **CE** RT9192CE IEC 60335-2-80:2002 + A1:2004 +
- **UL** RT9192 Standard for Electronically Protected Motors
File number E326930



The product is manufactured in accordance with EN 60335-1, UL1004-7, and RoHS directiv 2015/863/CE
IP class according to EN 60034-5 to be checked with operation and installation

Réf. EV EC 025 - Revision b
EN - Page 1 / 4

Issued: 18/06/2020 at 10:26

Author: G. REZOHIER

Date of the revision 18/06/2020: Creation of the technical file

TECHNICAL DATA

Description

- Weight: 1.55 kg
- With Condensat Drain Holes
- Class F
- Protection level: 4x | Protection against ingress of solid with diameter ≥ 1 mm / No information
- Motor's protection Electronically protected
- Bearing type: 2 ball bearings 608ZZ
- Balance level: G2.5

Special features

- Configuration: G319
- Input resistance 0-10V : 10K Ω

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

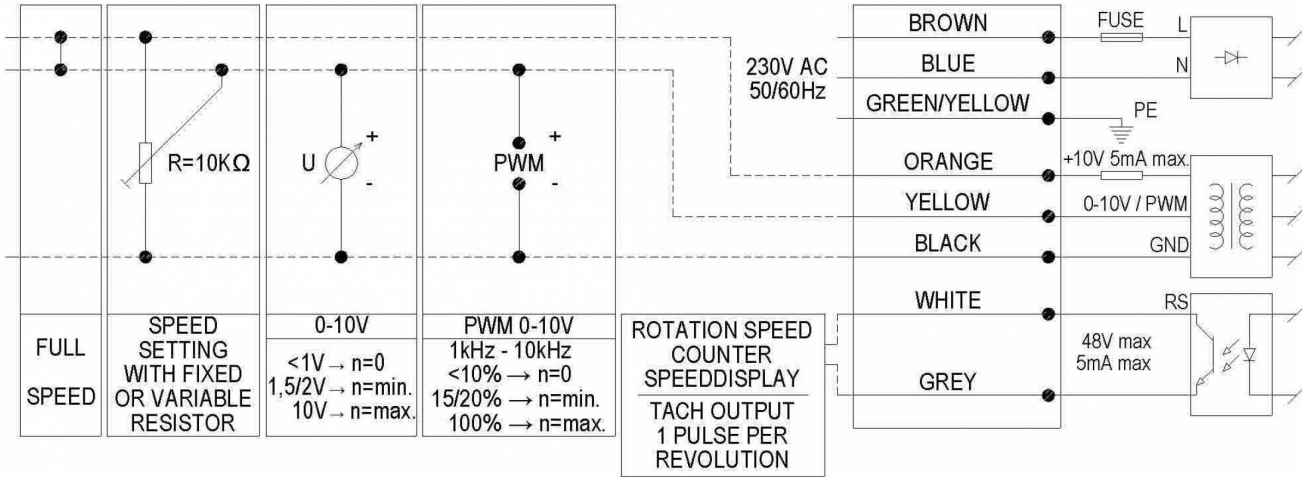
- Ouie 16043-a OUIE OG128 H13 Galva

Author: G. REZOHIER

Date of the revision 18/06/2020: Creation of the technical file

CONNECTORS

Wiring diagram

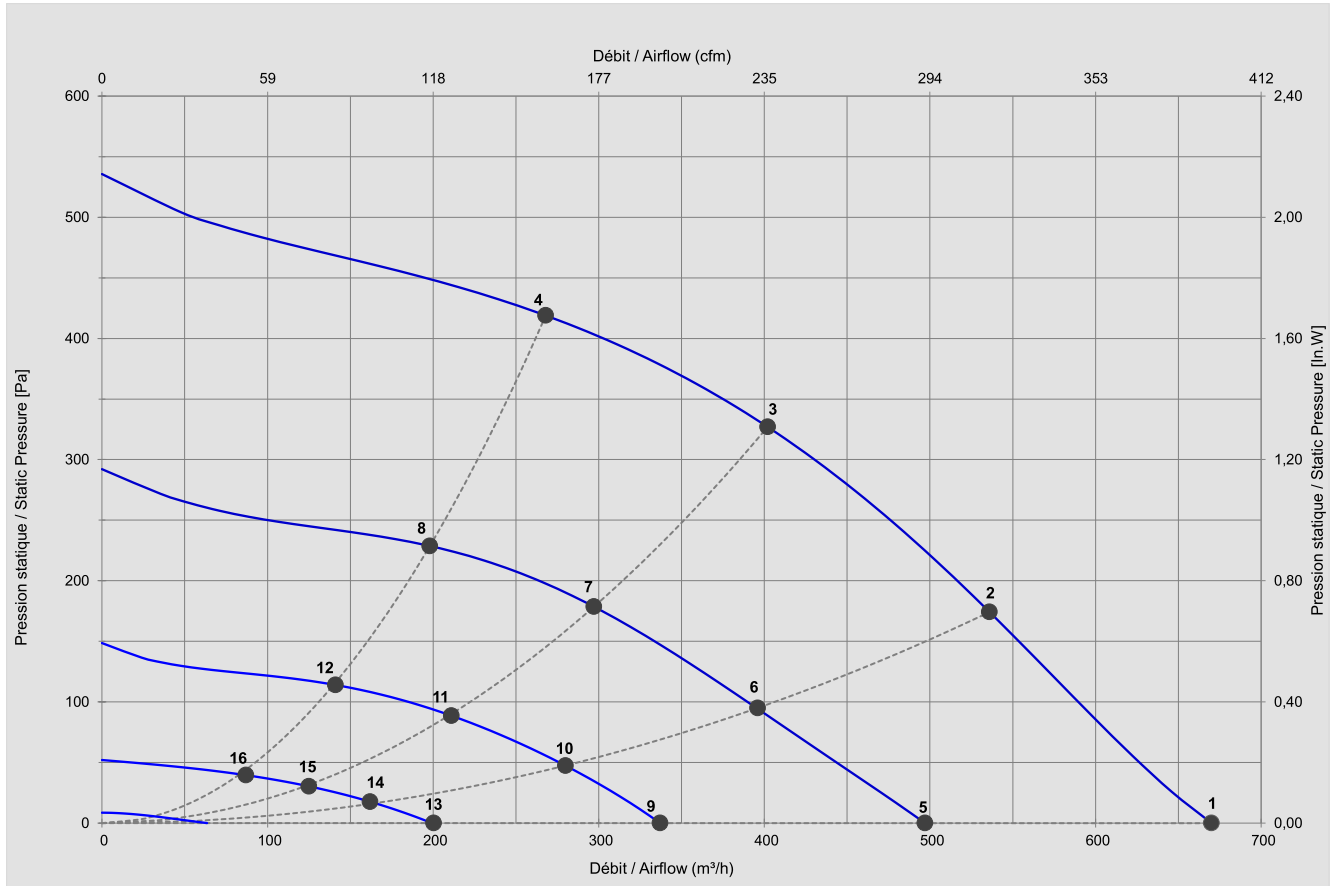


ERP DATA

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

- Power at optimum energy efficiency point <math><125W</math>

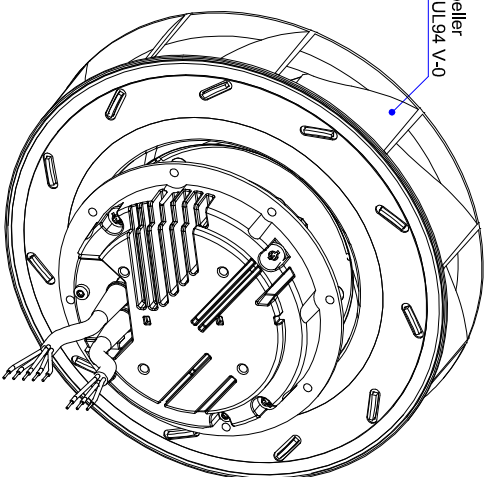
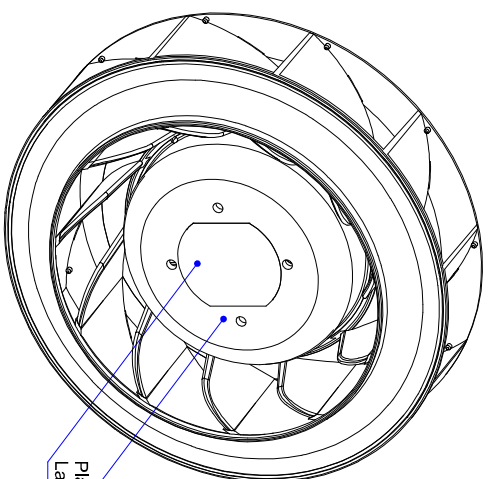
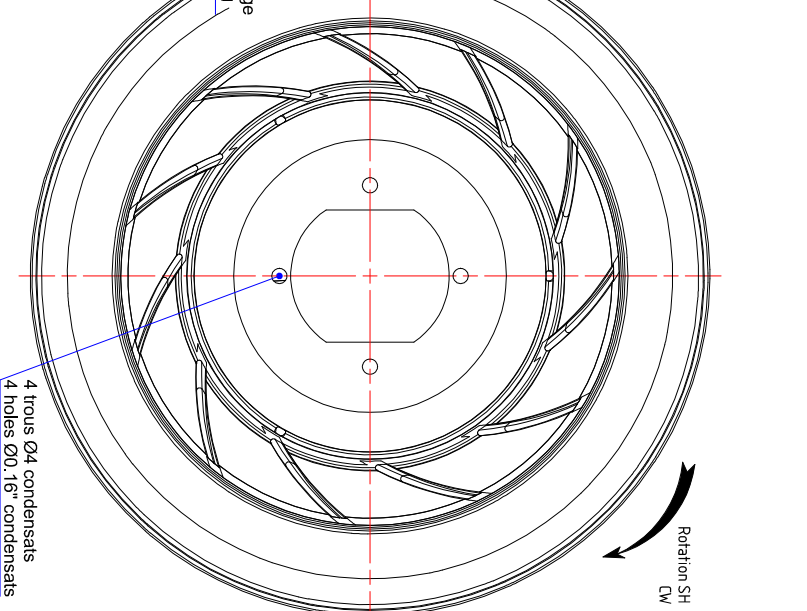
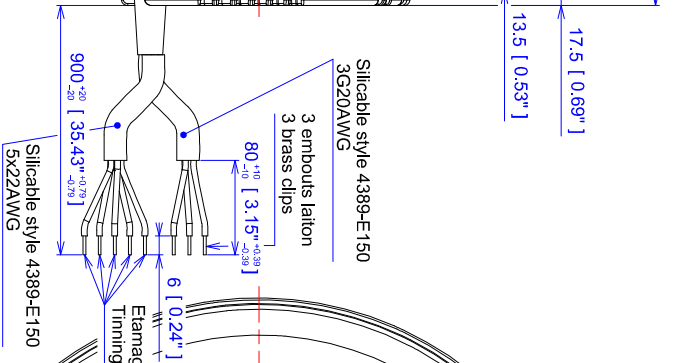
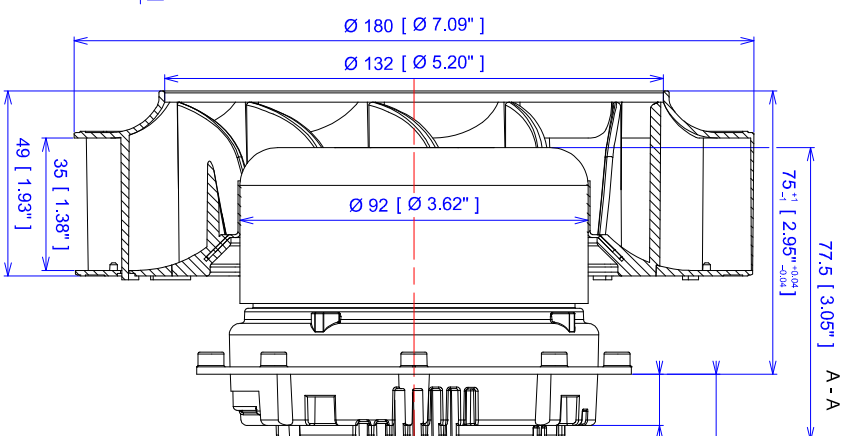
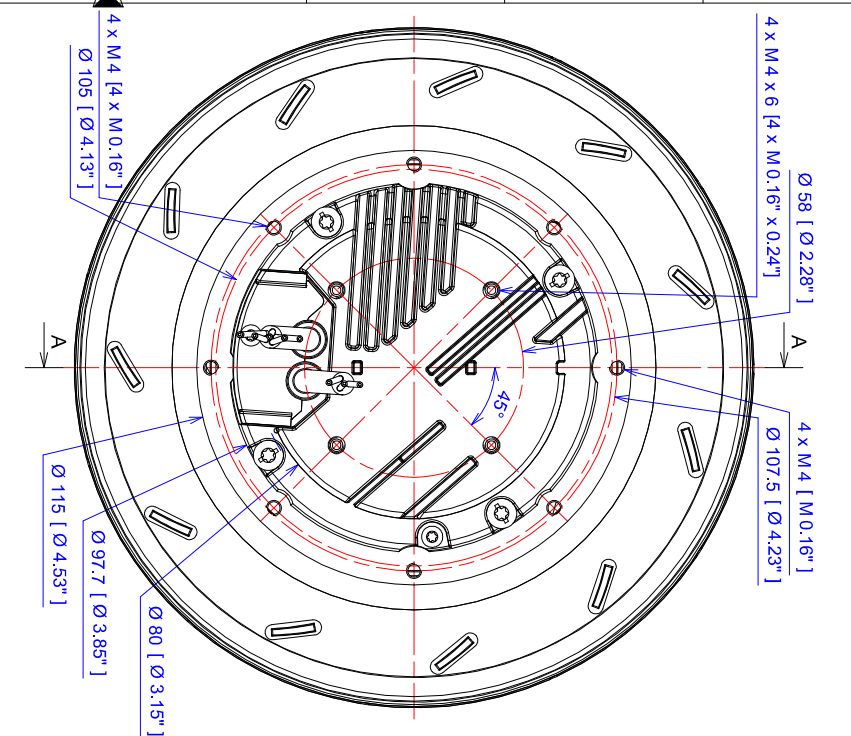
TECHNICAL DATA



Mesures / Measured Values*

	Un (V)	Vctl (Vdc)	F (Hz)	P (W)	n (RPM)	Q (m³/h)	P (Pa)	Q (cfm)	P (In.W)	Lp _m (dBA)
1	230	10	50/60	71	3679	670	0	394	0,000	
2	230	10	50/60	83	3677	536	174	315	0,698	
3	230	10	50/60	92	3678	402	327	237	1,310	
4	230	10	50/60	85	3683	268	419	158	1,678	
5	230	8	50/60	31	2723	497	0	293	0,000	
6	230	8	50/60	31	2714	396	95	233	0,381	
7	230	8	50/60	40	2713	297	179	175	0,716	
8	230	8	50/60	38	2712	198	229	117	0,916	
9	230	6	50/60	14	1921	337	0	198	0,000	
10	230	6	50/60	16	1921	280	47	165	0,190	
11	230	6	50/60	17	1921	211	89	124	0,355	
12	230	6	50/60	16	1914	141	114	83	0,457	
13	230	4	50/60	5	1123	200	0	118	0,000	
14	230	4	50/60	6	1113	162	18	95	0,071	
15	230	4	50/60	6	1110	125	30	74	0,122	
16	230	4	50/60	6	1110	87	40	51	0,158	

* 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



a	26/03/2020	Creation du dossier technique		rd
INDICE	DATE		LIBELLE	AUTEUR
Ech.	Dessiné par : rd		26/03/2020	
Format : A2	Folio : 1/1	Traitement : -	Protection :	
BACKWARD CURVED CENTRIFUGAL FAN MOTO VENTILATEUR RREuG9-180x35R		ECOFIT & ETRI PRODUCTS N° T42-A4-1		
TopSolid 6 C:\DOCUMENTS ET LEVIERES\PROJET\T42-A4-1\#a.dft REPRODUIT OU COMMUNIQUE SANS SON AUTORISATION ECRITE		Eclair de surface : Fiche technique / Data sheet EYE.C.025 Tolérances générales : ±1mm		