

Technical data sheet

Revision 0
Revision 09/2020



Model
S35-A1-1

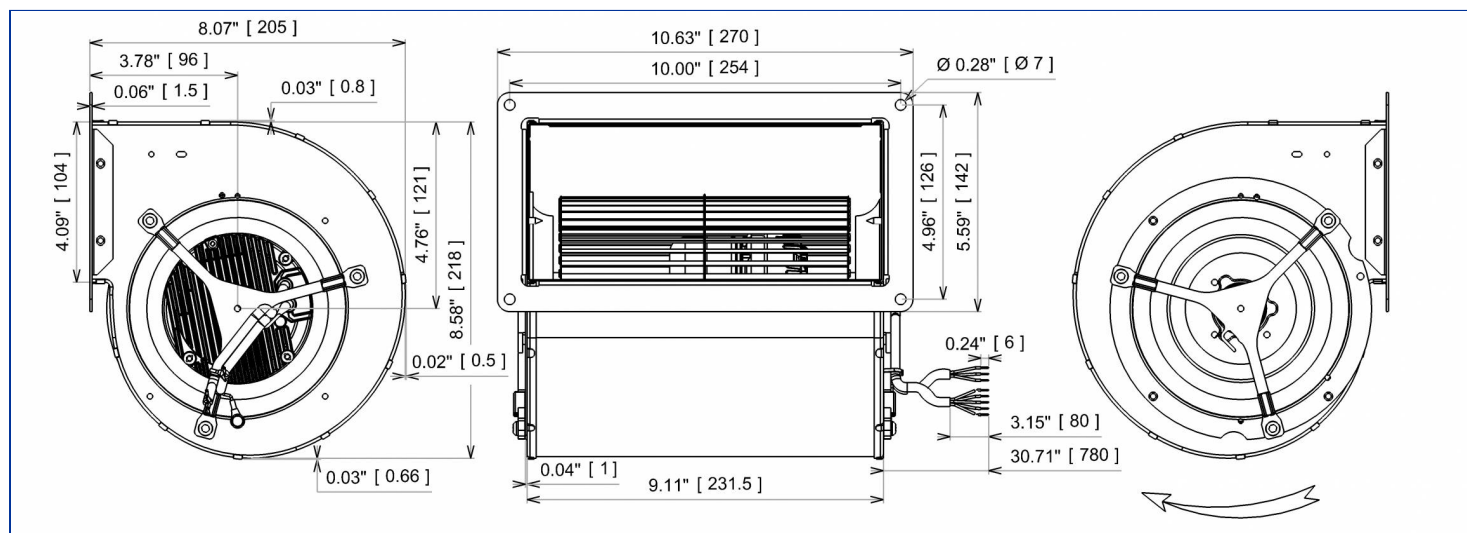


Designation **GDSuG9 146x188R**

Range Double inlet centrifugal fans with electronic commutation motor

ELECTRICAL DATA

Tension (V)	120
Frequency (Hz)	50/60
Current (A)	1.66
Maximum current (A)	2.15
Power (W)	112
Maximum power (W)	146
Rotation (RPM)	1395
Cos Φ	0.562
Temperature min/max (°C)	-25/+60



MARKING & STANDARDS

Conformity

- UL RT9191 UL1004-1, 2nd edition
rotating electrical machine
File number E326930

ECOFIT	cULus	RT9191	Ambient max 60°C
GDSuG9 146x188R			
120V 50/60Hz CL F			
1.66A 112W 1395RPM IP4x			
E326930			
600Turns			
ACW			
IS ERR92			
VSD Integrated			
S35-A1			

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

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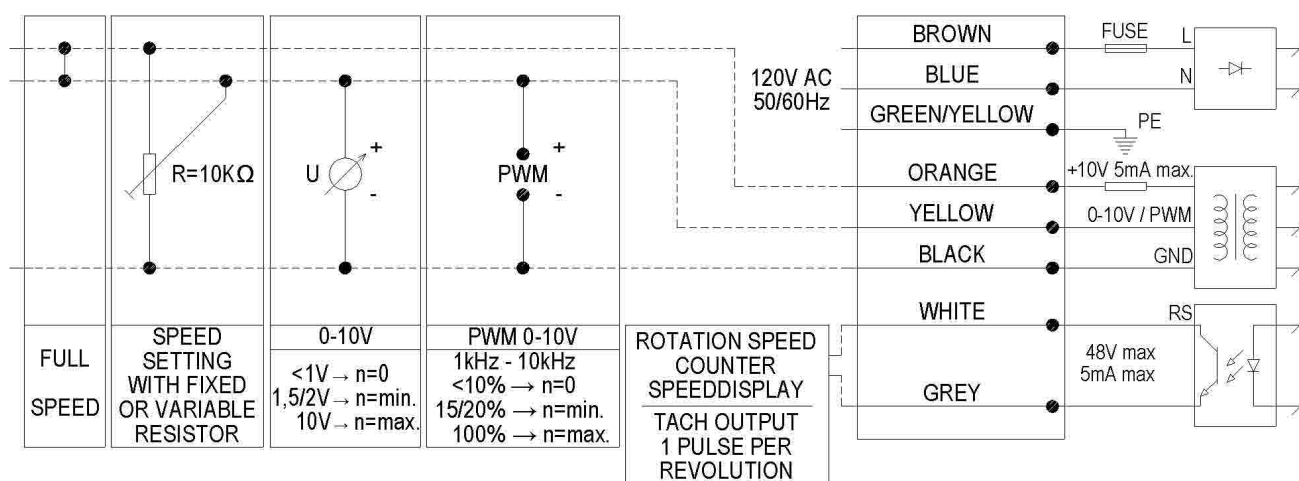
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TECHNICAL DATA

Description

- Weight: 3.70 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

Wiring diagram



Finishes

- Motor - UL Recognized component

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ADDITIONAL DATA

Accessories

- 21338 | Finger guard

Documentations

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

Measurement setup

- Scroll 15278 VOL VHD232 H18

ERP DATA

Data according to ErP directive

Tension	120 V
Frequency	50/60 Hz
Power ¹	0.146 kW
Airflow ¹	445 m3/h
Pressure ¹	400 Pa
Rotation ¹	2528 RPM
Catégorie de mesure	A
Catégorie de rendement	total
Variateur de vitesse	Yes
Rapport spécifique	1.00

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

	Actual	2015
Rendement global	38.8	32.4
Niveau de rendement	50	44

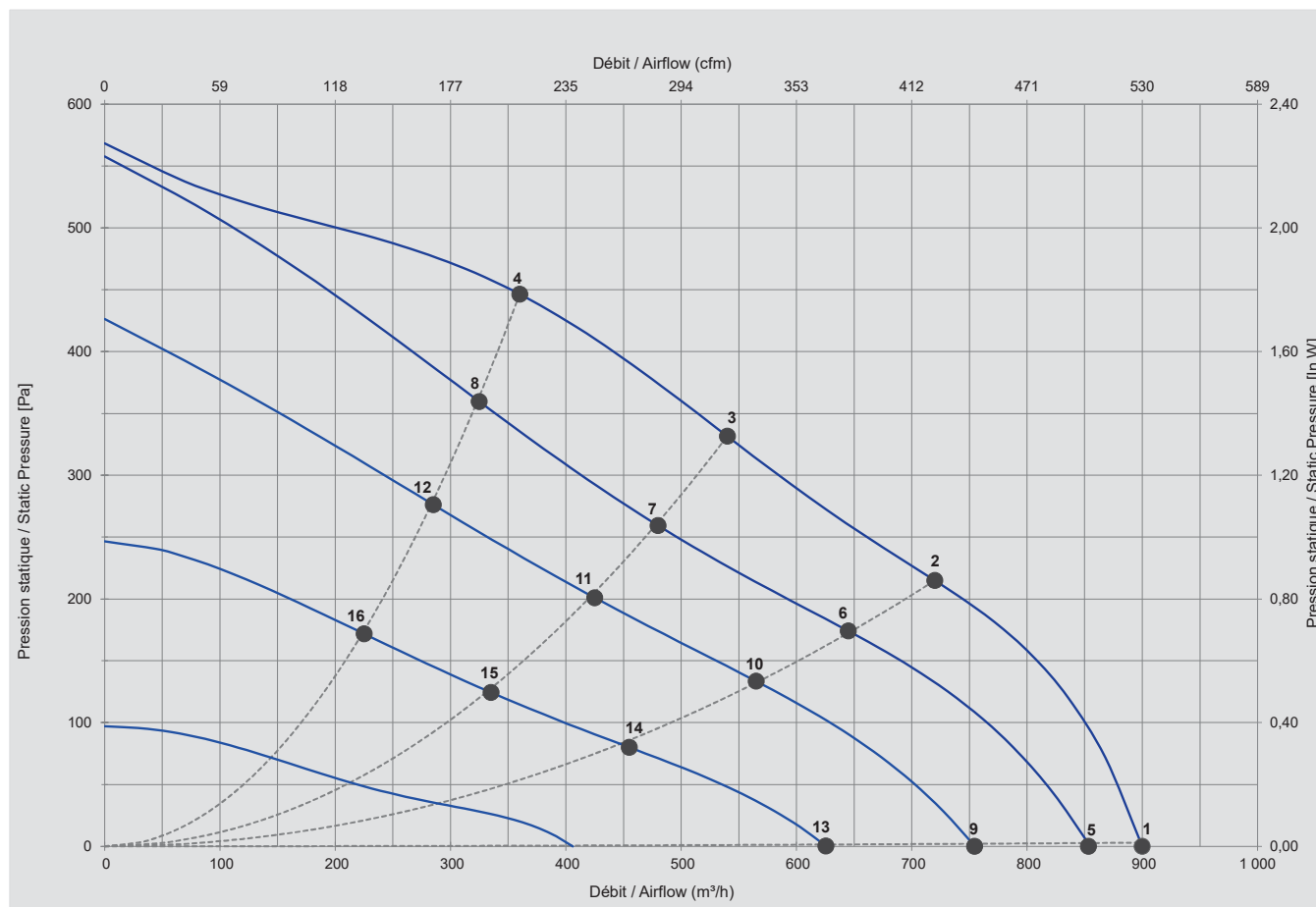
¹ at optimum energy efficiency point

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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	120	10	50/60	112	1395	900	0	530	0,000	
2	120	10	50/60	148	2000	720	215	424	0,861	
3	120	10	50/60	146	2330	540	332	318	1,328	
4	120	10	50/60	139	2628	360	446	212	1,788	
5	120	8	50/60	105	1384	853	0	502	0,000	
6	120	8	50/60	105	1783	645	174	380	0,698	
7	120	8	50/60	106	2065	480	259	283	1,039	
8	120	8	50/60	105	2393	325	360	191	1,441	
9	120	6	50/60	70	1206	755	0	444	0,000	
10	120	6	50/60	70	1576	565	133	333	0,535	
11	120	6	50/60	70	1821	425	201	250	0,805	
12	120	6	50/60	71	2097	285	276	168	1,107	
13	120	4	50/60	36	978	626	0	368	0,001	
14	120	4	50/60	36	1237	455	80	268	0,321	
15	120	4	50/60	36	1440	335	124	197	0,499	
16	120	4	50/60	36	1653	225	172	132	0,688	

* 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

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