

# Technical data sheet

Revision h  
Revision 02/2021



Model  
L15-A2-1

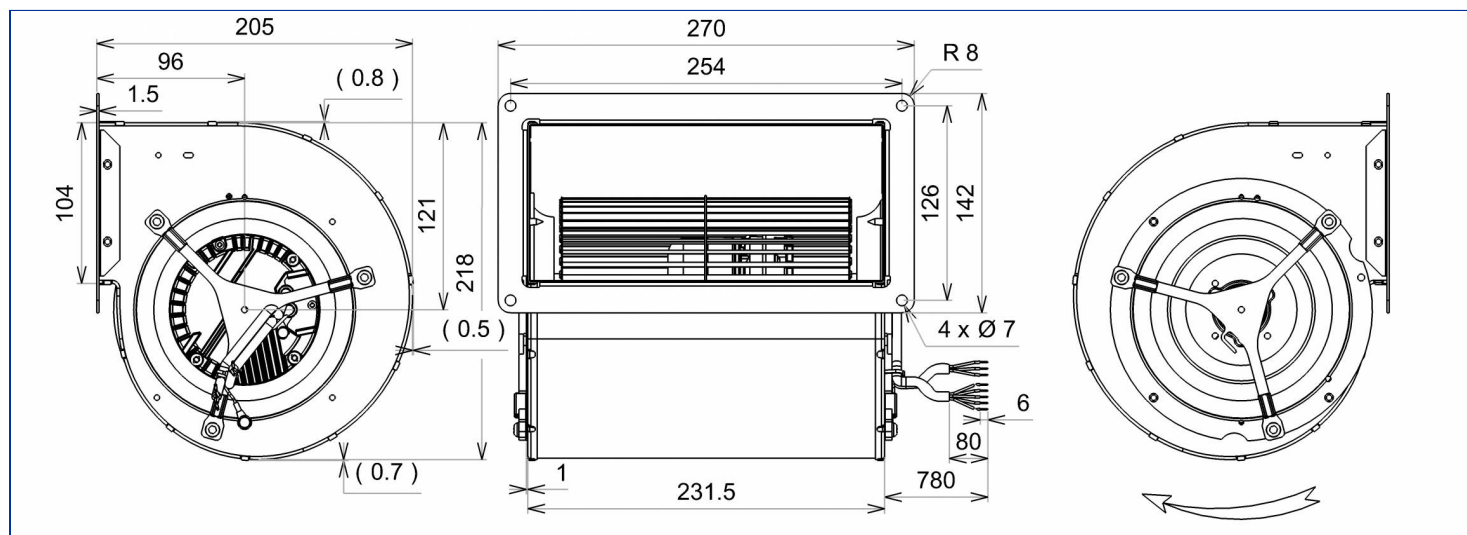


Designation **GDSG9 146x188R**

Range Double inlet centrifugal fans with electronic commutation motor

## ELECTRICAL DATA

|                          |         |
|--------------------------|---------|
| Tension (V)              | 230     |
| Frequency (Hz)           | 50/60   |
| Current (A)              | 0.86    |
| Maximum current (A)      | 1.14    |
| Power (W)                | 98      |
| Maximum power (W)        | 141     |
| Rotation (RPM)           | 1230    |
| Cos $\Phi$               | 0.495   |
| Temperature min/max (°C) | -20/+50 |



## MARKING & STANDARDS

### Conformity

- **CE** RT9192CE IEC 60335-2-80:2002 + A1:2004

|                          |                  |
|--------------------------|------------------|
| <b>ECOFIT</b>            | <b>CE</b>        |
| GDSG9 146x188R           | RT9192CE         |
| 230V 50/60Hz CL F        | Ambient max 50°C |
| 0.86A 98W 1230RPM IP4x   | $\eta$ max=41.2% |
|                          | N=53             |
| Pmax: 141W               | Alratic          |
| I max: 1.14 A G243       | VSD integrated   |
| Electronically Protected |                  |
| L15-A2                   | 02-21-0000       |

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

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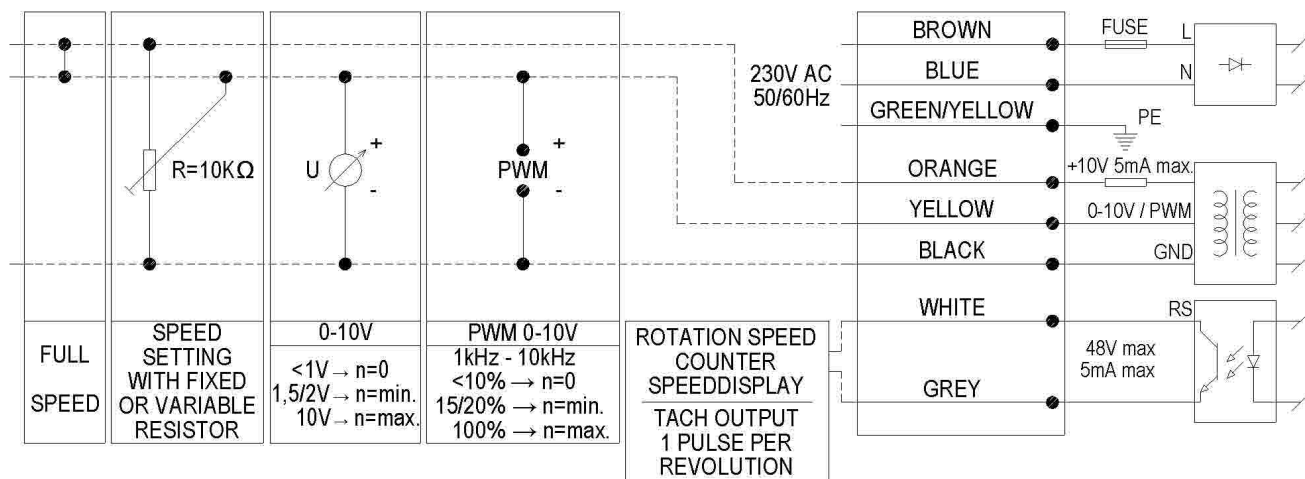
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## TECHNICAL DATA

### Description

- Weight: 3.70 kg
- With Condensat Drain Holes
- Class F
- Protection level: 4x | Protection against ingress of solid with diameter  $\geq 1$  mm / No information
- Motor's protection Electronically protected
- Bearing type: 2 ball bearings 608ZZ
- Balance level: G2.5

## Wiring diagram



## Finishes

- Rotor electrolytic galvanizing protection
- Galvanized steel impeller
- Scroll housing : black paint

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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

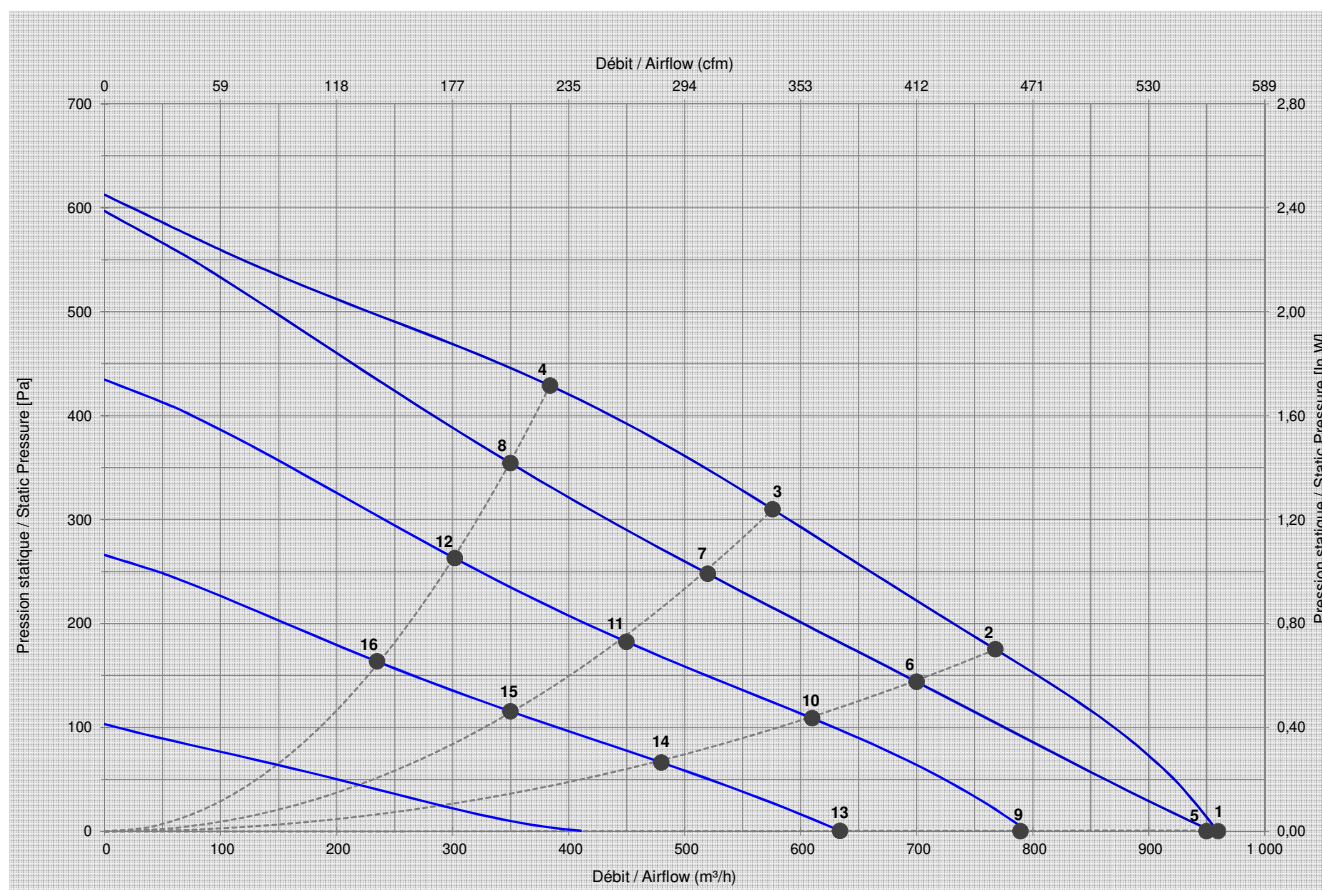
|                        |          |
|------------------------|----------|
| Tension                | 230 V    |
| Frequency              | 50/60 Hz |
| Power <sup>1</sup>     | 0.141 kW |
| Airflow <sup>1</sup>   | 533 m3/h |
| Pressure <sup>1</sup>  | 341 Pa   |
| Rotation <sup>1</sup>  | 2355 RPM |
| 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    | 41.2   | 32.3 |
| Niveau de rendement | 53     | 44   |

<sup>1</sup> at optimum energy efficiency point

## 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 <sub>in</sub> (dBA) |
|----|--------|------------|--------|-------|---------|----------|--------|---------|----------|------------------------|
| 1  | 230    | 10         | 50/60  | 98    | 1230    | 960      | 0      | 565     | 0,000    | 63,0                   |
| 2  | 230    | 10         | 50/60  | 139   | 1908    | 768      | 175    | 452     | 0,701    | 62,0                   |
| 3  | 230    | 10         | 50/60  | 141   | 2251    | 576      | 310    | 339     | 1,241    | 63,0                   |
| 4  | 230    | 10         | 50/60  | 136   | 2625    | 384      | 429    | 226     | 1,718    | 67,0                   |
| 5  | 230    | 8          | 50/60  | 97    | 1320    | 950      | 0      | 559     | 0,000    | 62,0                   |
| 6  | 230    | 8          | 50/60  | 102   | 1725    | 700      | 144    | 412     | 0,576    | 60,0                   |
| 7  | 230    | 8          | 50/60  | 102   | 2035    | 520      | 248    | 306     | 0,993    | 61,0                   |
| 8  | 230    | 8          | 50/60  | 102   | 2380    | 350      | 354    | 206     | 1,419    | 64,0                   |
| 9  | 230    | 6          | 50/60  | 66    | 1171    | 790      | 0      | 465     | 0,000    | 59,0                   |
| 10 | 230    | 6          | 50/60  | 66    | 1493    | 610      | 109    | 359     | 0,436    | 56,0                   |
| 11 | 230    | 6          | 50/60  | 66    | 1749    | 450      | 182    | 265     | 0,731    | 57,0                   |
| 12 | 230    | 6          | 50/60  | 66    | 2052    | 302      | 263    | 178     | 1,053    | 61,0                   |
| 13 | 230    | 4          | 50/60  | 34    | 945     | 634      | 0      | 373     | 0,002    |                        |
| 14 | 230    | 4          | 50/60  | 34    | 1198    | 480      | 66     | 283     | 0,265    |                        |
| 15 | 230    | 4          | 50/60  | 34    | 1404    | 350      | 116    | 206     | 0,463    |                        |
| 16 | 230    | 4          | 50/60  | 34    | 1628    | 235      | 163    | 138     | 0,655    |                        |

\* 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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