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# TYPE-CERTIFICATE DATA SHEET FOR NOISE

**No. EASA.R.510**

**for**

**AW189**

**Type Certificate Holder:**

**Leonardo S.p.A.**

Piazza Monte Grappa 4

00195 Roma

Italy

For models:

AW189



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Type Certificate Holder<sup>1</sup>      **Leonardo S.p.A.**      Aircraft Type Designation<sup>1</sup>      **AW189**

Engine Manufacturer<sup>1</sup>      **Safran Helicopter Engines**      Engine Type Designation<sup>1</sup>      **ANETO-1K**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 7 / Amendment 11-B**      Chapter<sup>1</sup>      **8 (8.4.2)**

| EASA Record No. | Maximum Mass               |              | Take-Off EPNL      |             | Overflight EPNL    |             | Approach EPNL      |             | See Note |
|-----------------|----------------------------|--------------|--------------------|-------------|--------------------|-------------|--------------------|-------------|----------|
|                 | Take-off <sup>1</sup> (kg) | Landing (kg) | Level <sup>1</sup> | Limit       | Level <sup>1</sup> | Limit       | Level <sup>1</sup> | Limit       |          |
| D471            | <b>8,600</b>               | <b>8,600</b> | <b>90.3</b>        | <b>96.3</b> | <b>94.9</b>        | <b>94.3</b> | <b>98.7</b>        | <b>99.3</b> | -        |

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<sup>1</sup> See Note 1.



Type Certificate Holder<sup>1</sup>      **Leonardo S.p.A.**      Aircraft Type Designation<sup>1</sup>      **AW189**

Engine Manufacturer<sup>1</sup>      **General Electric Company**      Engine Type Designation<sup>1</sup>      **CT7-2E1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>      **None**

Noise Certification Basis      **ICAO Annex 16, Volume I**      Edition / Amendment      **Edition 6 / Amendment 10**      Chapter<sup>1</sup>      **8 (8.4.2)**

| EASA Record No. | Maximum Mass               |              | Take-Off EPNL      |             | Overflight EPNL    |             | Approach EPNL      |             | See Note |
|-----------------|----------------------------|--------------|--------------------|-------------|--------------------|-------------|--------------------|-------------|----------|
|                 | Take-off <sup>1</sup> (kg) | Landing (kg) | Level <sup>1</sup> | Limit       | Level <sup>1</sup> | Limit       | Level <sup>1</sup> | Limit       |          |
| D386            | <b>8,600</b>               | <b>8,600</b> | <b>91.3</b>        | <b>96.3</b> | <b>95.2</b>        | <b>94.3</b> | <b>99.1</b>        | <b>99.3</b> | -        |
| D359            | <b>8,300</b>               | <b>8,300</b> | <b>91.3</b>        | <b>96.2</b> | <b>95.2</b>        | <b>94.2</b> | <b>99.1</b>        | <b>99.2</b> | -        |

<sup>1</sup> See Note 1.



**CS-36 Amendment level**

|  |         |   |   |    |      |    |    |
|--|---------|---|---|----|------|----|----|
| ICAO, Annex 16, Volume I Amendment level | 7       | 8 | 9 | 10 | 11-B | 12 | 13 |
| Corresponding CS-36 Amendment level      | Initial | 1 | 2 | 3  | 4    | 5  | 6  |

**TCDSN EASA.R.510 Notes**

1. In cases where it is appropriate to issue a noise certificate, items so marked shall be included on EASA Form 45.



### **Change Record**

| <b>Issue</b> | <b>Date</b>      | <b>Changes</b>   |
|--------------|------------------|--|
| Issue 1      | 07 February 2014 | Initial Issue  |
| Issue 2      | 18 March 2015    | Record D359: Amendment number revised; Record D386 added; TC holder address revised. |
| Issue 3      | 13 January 2016  | TC holder revised  |
| Issue 4      | 04 August 2016   | Change of TC holder name into Leonardo S.p.A.  |
| Issue 5      | 08 June 2020     | Introduction of the Safran Aneto-1K motorization                                     |
| Issue 6      | 28 July 2022     | Engine manufacturer and designation harmonized.                                      |

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