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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      **7 Edition / Amendment 11-B**      Chapter<sup>1</sup>      **8 (8.4.2)**

| EASA<br>Record No. | Maximum Mass                  |                 | Take-Off EPNL      |             | Overflight EPNL    |             | Approach EPNL      |             | See<br>Note |
|--------------------|-------------------------------|-----------------|--------------------|-------------|--------------------|-------------|--------------------|-------------|-------------|
|                    | Take-off <sup>1</sup><br>(kg) | Landing<br>(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> | -           |

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



|                                                                                                                            |                                |                                        |                                 |
|----------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------------|---------------------------------|
| Type Certificate Holder <sup>1</sup>                                                                                       | <b>Leonardo S.p.A.</b>         | Aircraft Type Designation <sup>1</sup> | <b>AW189</b>                    |
| Engine Manufacturer <sup>1</sup>                                                                                           | <b>General Electric</b>        | Engine Type Designation <sup>1</sup>   | <b>GE CT7-2E1</b>               |
| Additional modifications essential to meet the requirements or needed to attain the certificated noise levels <sup>1</sup> |                                | <b>None</b>                            |                                 |
| Noise Certification Basis                                                                                                  | <b>ICAO Annex 16, Volume I</b> | Edition / Amendment                    | <b>6 Edition / Amendment 10</b> |
|                                                                                                                            |                                | Chapter <sup>1</sup>                   | <b>8 (8.4.2)</b>                |

| EASA<br>Record No. | Maximum Mass                  |                 | Take-Off EPNL      |             | Overflight EPNL    |             | Approach EPNL      |             | See<br>Note |
|--------------------|-------------------------------|-----------------|--------------------|-------------|--------------------|-------------|--------------------|-------------|-------------|
|                    | Take-off <sup>1</sup><br>(kg) | Landing<br>(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 1 Amendment level | 7       | 8 | 9 | 10 | 11-B | 12 |
| Corresponding CS-36 Amendment level      | Initial | 1 | 2 | 3  | 4    | 5  |

**TCDSN EASA.R.510 Notes**

1. 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                                     |

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