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# TYPE CERTIFICATE DATA SHEET

No. EASA.R.510

**for**  
AW189

**Type Certificate Holder**  
Leonardo S.p.A.

Helicopters  
Piazza Monte Grappa, 4  
00195 Roma  
Italy

For Model: AW189



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## SECTION 1: AW189

### I. General

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|--|---|
| 1. Type/ Model/ Variant                |   |
| 1.1 Type                               | AW189   |
| 1.2 Model                              | AW189   |
| 2. Airworthiness Category              | Large Rotorcraft, Category A and B  |
| 3. Type Certificate Holder             | Leonardo S.p.A.<br>Helicopters<br>Piazza Monte Grappa, 4<br>00195 Roma, Italy |
| 4. Manufacturer                        | See Note 2  |
| 5. Type Certification Application Date | 12 May 2011   |
| 6. State of Design Authority           | EASA  |
| 7. EASA Type Certification Date        | 7 February 2014   |

### II. Certification Basis

- |   |  |
|---|--|
| 1. Reference Date for determining the applicable requirements | 12 May 2011  |
| 2. Airworthiness Requirements                                 | <b>AW189 with GE CT7-2E1 Engines</b><br>CS-29 Amdt. 2, dated 17 November 2008<br>CS-29 Amdt. 3, dated 11 December 2012 for the following installations and affected areas only (see Note 10): <ul style="list-style-type: none"><li>- Kit Single Rescue Hoist p/n 8G2591F00111</li><li>- Kit Double Rescue Hoist p/n 8G2591F00311</li><li>- Kit Foldable Single Hoist p/n 8G2591F00211</li><li>    Kit Limited Ice Protection System (LIPS)<br/>    p/n 8G3000F00211 and 8G3000F00212</li><li>- Kit Full Ice Protection System (FIPS) p/n 8G3000F00111 and 8G3000F00311</li></ul><br>AW189 with Safran Aneto-1K Engines:<br>CS-29 Amdt. 2, dated 17 November 2008<br>CS-29 Amdt. 3, dated 11 December 2012 for the following installations and affected areas only (see Note 10): <ul style="list-style-type: none"><li>- Kit Single Rescue Hoist p/n 8G2591F00111</li></ul><br>CS-29 Amdt. 4, dated 30 November 2016, for the Safran Aneto-1K Engine Installation and affected areas. |
| 3. Special Conditions   | AW189 with GE CT7-2E1 Engines <ul style="list-style-type: none"><li>- Automatic Search Modes (ASM) certification (B-03)</li><li>- Extended Take-Off Power Duration (EP, 30 min AEO, E-07)</li><li>- Loss of Oil from Gearboxes Utilising a Pressurised Lubrication System (E-09)</li><li>- 'HIRF Protection' in accordance with JAA Interim Policy INT/POL/27&amp;29/1, issue 3, dated 1 October 2003 (F-01)</li><li>- Essential APU Installation in Large Rotorcraft (J-01)</li><li>- For kit Limited Ice Protection System:<ul style="list-style-type: none"><li>Special Condition for Limited Icing Clearance (F-19)</li></ul></li><li>- Non Rechargeable Lithium Battery Installations (F-24)</li></ul><br>AW189 with Safran Aneto-1K Engines: <ul style="list-style-type: none"><li>- Automatic Search Modes (ASM) certification (B-03)</li></ul>   |



	<ul style="list-style-type: none"><li>- Extended Take-Off Power Duration (EP, 30 min AEO, E-07/K)</li><li>- Loss of Oil from Gearboxes Utilising a Pressurised Lubrication System (E-09)</li><li>- Essential APU Installation in Large Rotorcraft (J-01)</li><li>- Non Rechargeable Lithium Battery Installations (F-24)</li></ul>
4. Exemptions	none
5. Deviations	none
6. Equivalent Safety Findings	<p>AW189 with GE CT7-2E1 Engines:</p> <ul style="list-style-type: none"><li>- Passenger access to each Emergency Exit (D-03)</li><li>- Passenger Emergency Exits – other than Side-Of-Fuselage (D-04)</li><li>- Emergency Exit Signs (D-06)</li><li>- Ditching Emergency Exits for Passengers (D-07)</li><li>- Ferry Flight Configuration (D-08)</li><li>- Main Aisle Width (D-10)</li><li>- Hoist Installation (D-11)</li><li>- H-V Envelope and RFM Charts (F-16)</li><li>- Power Index Indicator (F-20)</li><li>- Engine Training Mode (G-01)</li><li>- Airspeed Indicators Green Arcs (G-02)</li><li>- Never Exceed Speed – Power Off (G-03)</li></ul> <p>AW189 with Safran Aneto-1K Engines:</p> <ul style="list-style-type: none"><li>- Cat. A Procedures: 2.5' Rating Application for First and Second Segment Profile and Definition of <math>V_{COSS}</math> (B-04/K)</li><li>- Passenger access to each Emergency Exit (D-03)</li><li>- Passenger Emergency Exits – other than Side-Of-Fuselage (D-04)</li><li>- Emergency Exit Signs (D-06)</li><li>- Ditching Emergency Exits for Passengers (D-07)</li><li>- Ferry Flight Configuration (D-08)</li><li>- Main Aisle Width (D-10)</li><li>- Hoist Installation (D-11)</li><li>- Ignition Switches (E-11/K)</li><li>- H-V Envelope and RFM Charts (F-16)</li><li>- Power Index Indicator (F-20/K)</li><li>- Airspeed Indicators Green Arcs (G-02)</li><li>- Never Exceed Speed – Power Off (G-03/K)</li></ul>
7. Requirements elected to comply	<p>CS-36 Amdt. 3 (see A-01)</p> <p>CS-29 Amdt. 4 (see A-01/K)</p> <p>CS 29.1465 Vibration health monitoring, Amdt. 5</p>
8. Environmental Protection Requirements	
8.1 Noise Requirements	See TCDSN EASA.R.510
8.2 Emission Requirements	<p>AW189 with GE CT7-2E1 Engines: Chapter 2 of ICAO Annex 16 Volume II, Part II to Chicago Convention (as implemented in CS-34 Amdt. 1).</p> <p>AW189 with Safran Aneto-1K Engines: Chapter 2 of ICAO Annex 16 Volume II, Part II to Chicago Convention (as implemented in CS-34 Amdt. 2).</p>
9. Operational Suitability Data (OSD)	see SECTION 2 below

