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# TYPE-CERTIFICATE DATA SHEET FOR NOISE

**No. EASA.R.509**

**for**

**AW169**

**Type Certificate Holder:**

**Leonardo S.p.A.**

Piazza Monte Grappa 4

00195 Roma

Italy

For models:

AW169



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

Aircraft Type Designation<sup>1</sup> **AW169**

Engine Manufacturer<sup>1</sup> **Pratt & Whitney Canada Corp.**

Engine Type Designation<sup>1</sup> **PW210A**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels<sup>1</sup>

**Core Avionics Phase 6.0 SW Release**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 12** 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	
D484	<b>4,800</b>	<b>4,800</b>	<b>90.0</b>	<b>93.8</b>	<b>88.3</b>	<b>91.8</b>	<b>96.4</b>	<b>96.8</b>	-
D485	<b>4,600</b>	<b>4,600</b>	<b>89.9</b>	<b>93.6</b>	<b>88.3</b>	<b>91.6</b>	<b>96.5</b>	<b>96.6</b>	-

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



Type Certificate Holder<sup>1</sup>      **Leonardo S.p.A.**      Aircraft Type Designation<sup>1</sup>      **AW169**

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney Canada Corp.**      Engine Type Designation<sup>1</sup>      **PW210A**

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	
D392	<b>4,600</b>	<b>4,600</b>	<b>88.8</b>	<b>93.6</b>	<b>89.3</b>	<b>91.6</b>	<b>94.4</b>	<b>96.6</b>	-

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



Type Certificate Holder<sup>1</sup>      **Leonardo S.p.A.**      Aircraft Type Designation<sup>1</sup>      **AW169**

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney Canada Corp.**      Engine Type Designation<sup>1</sup>      **PW210A**

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	
D426	<b>4,800</b>	<b>4,800</b>	<b>88.9</b>	<b>93.8</b>	<b>89.3</b>	<b>91.8</b>	<b>94.2</b>	<b>96.8</b>	-

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



Type Certificate Holder<sup>1</sup>      **Leonardo S.p.A.**      Aircraft Type Designation<sup>1</sup>      **AW169**

Engine Manufacturer<sup>1</sup>      **Pratt & Whitney Canada Corp.**      Engine Type Designation<sup>1</sup>      **PW210A1**

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 8 / Amendment 12**      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	
D497	<b>4,800</b>	<b>4,800</b>	<b>90.0</b>	<b>93.8</b>	<b>88.3</b>	<b>91.8</b>	<b>96.4</b>	<b>96.8</b>	<b>2</b>
D498	<b>4,600</b>	<b>4,600</b>	<b>89.9</b>	<b>93.6</b>	<b>88.3</b>	<b>91.6</b>	<b>96.5</b>	<b>96.6</b>	<b>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.509 Notes**

1. In cases where it is appropriate to issue a noise certificate, items so marked shall be included on EASA Form 45.
2. Engine installation includes Kit Enhanced Performance and Core Avionics Software Phase 7.0



### **Change Record**

<b>Issue</b>	<b>Date</b>	<b>Changes</b>
Issue 1	15 July 2015	Initial Issue
Issue 2	13 January 2016	TC holder revised
Issue 3	04 August 2016	Change of TC holder name into Leonardo S.p.A.
Issue 4	18 January 2017	Introduction of Kit increased Gross Weight 4800 kg
Issue 5	19 January 2017	Noise requirements of Record Number D426 corrected
Issue 6	25 January 2021	Records D484 and D485 added.
Issue 7	06 December 2021	Amendment level of ICAO Annex 16 for records D484 and D485 added
Issue 8	12 January 2022	Added records D497 and D498 for AW169 fitted with PW210A1

