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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	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		Coo
Record No.	Take-off¹ (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
D484	4,800	4,800	90.0	93.8	88.3	91.8	96.4	96.8	-
D485	4,600	4,600	89.9	93.6	88.3	91.6	96.5	96.6	-

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



Type Certificate Holder<sup>1</sup>

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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

Leonardo S.p.A.

certificated noise levels<sup>1</sup>

None

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

FACA	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		Coo
EASA Record No.	Take-off¹ (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
D392	4,600	4,600	88.8	93.6	89.3	91.6	94.4	96.6	-

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



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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 **None** 

certificated noise levels<sup>1</sup>

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

FACA	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		Coo
EASA Record No.	Take-off¹ (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
D426	4,800	4,800	88.9	93.8	89.3	91.8	94.2	96.8	-

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



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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> PW210A1

Additional modifications essential to meet the requirements or needed to attain the **None** 

certificated noise levels<sup>1</sup>

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Edition 8 / Amendment 12 Chapter<sup>1</sup> 8 (8.4.2)

FACA	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		- See
EASA Record No.	Take-off¹ (kg)	Landing (kg)	Level <sup>1</sup>	Level <sup>1</sup> Limit		Level <sup>1</sup> Limit		Level <sup>1</sup> Limit	
D497	4,800	4,800	90.0	93.8	88.3	91.8	96.4	96.8	2
D498	4,600	4,600	89.9	93.6	88.3	91.6	96.5	96.6	2

<sup>&</sup>lt;sup>1</sup> See Note 1.



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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> PW210A1

Additional modifications essential to meet the requirements or needed to attain the Sk

certificated noise levels<sup>1</sup>

Skid landing gear

Noise Certification Basis ICAO Annex 16, Volume I Edition / Amendment Edition 8 / Amendment 12 Chapter<sup>1</sup> 8 (8.4.2)

FACA	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		Coo
EASA Record No.	Take-off¹ (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
D499	4,800	4,800	90.0	93.8	88.2	91.8	96.4	96.8	-

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



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### **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



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## **Change Record**

Issue	Date	Changes
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
Issue 9	03 January 2023	Added record D499 for AW169 fitted with Skid landing gear

