



TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.R.005

for

A109

Type Certificate Holder:

Leonardo S.p.A.

Piazza Monte Grappa 4

00195 Roma

Italy

For models:	A109	A109N
	A109A	A109S
	A109All	A119
	A109C	AW109SP
	A109E	AW119 MKII
	A109K2	
	A109LUH	



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Type Certificate Holder **Leonardo S.p.A.** Aircraft Type Designation **A109**

Engine Manufacturer **Allison** Engine Type Designation **250-C20**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter

EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		See Note
	Take-off (kg)	Landing (kg)	Level	Limit	Level	Limit	Level	Limit	
D267	2,450	2,450	-	-	-	-	-	-	2



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

Aircraft Type Designation **A109A**

Engine Manufacturer **Allison**

Engine Type Designation **250-C20B**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter

EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		See Note
	Take-off (kg)	Landing (kg)	Level	Limit	Level	Limit	Level	Limit	
D191	2,600	2,600	-	-	-	-	-	-	2
D268	2,450	2,450	-	-	-	-	-	-	2



Type Certificate Holder **Leonardo S.p.A.** Aircraft Type Designation **A109All**
 Engine Manufacturer **Allison** Engine Type Designation **250-C20B**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter

EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		See Note
	Take-off (kg)	Landing (kg)	Level	Limit	Level	Limit	Level	Limit	
D192	2,600	2,600	-	-	-	-	-	-	2



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

Aircraft Type Designation **A109All**

Engine Manufacturer **Allison**

Engine Type Designation **250-C20R/1**

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

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter

EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		See Note
	Take-off (kg)	Landing (kg)	Level	Limit	Level	Limit	Level	Limit	
D193	2,600	2,600	-	-	-	-	-	-	2



Type Certificate Holder¹ **Leonardo S.p.A.** Aircraft Type Designation¹ **A109C**

Engine Manufacturer¹ **Allison** Engine Type Designation¹ **250-C20R/1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹

EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
D194	2,720	2,720	92.4	94.4	88.8	93.4	90.1	95.4	-

¹ See Note 1.



Type Certificate Holder¹ **Leonardo S.p.A.** Aircraft Type Designation¹ **A109E**
 Engine Manufacturer¹ **Turbomeca** Engine Type Designation¹ **Arriel 2K1**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **8 (8.4.1)**

EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
D269	2,850	2,850	91.8	94.6	91.4	93.6	93.4	95.6	-

¹ See Note 1.



Type Certificate Holder¹ **Leonardo S.p.A.** Aircraft Type Designation¹ **A109E**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW206C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **8 (8.4.1)**

EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
D195	3,000	3,000	91.7	94.8	91.3	93.8	91.7	95.8	-
D109	2,850	2,850	91.3	94.6	90.9	93.6	91.4	95.6	-

¹ See Note 1.



Type Certificate Holder¹ **Leonardo S.p.A.** Aircraft Type Designation¹ **A109K2**
 Engine Manufacturer¹ **Turbomeca** Engine Type Designation¹ **Arriel 1K1**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **8 (8.4.1)**

EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
D108	2,850	2,850	91.7	94.6	89.1	93.6	91.1	95.6	-

¹ See Note 1.



Type Certificate Holder¹ **Leonardo S.p.A.** Aircraft Type Designation¹ **A109LUH**

Engine Manufacturer¹ **Turbomeca** Engine Type Designation¹ **Arrius 2K2**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **3 Edition / Amendment 7** Chapter¹ **8 (8.4.2)**

EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
D270	3,000	3,000	91.8	91.8	88.6	89.8	92.9	94.8	-

¹ See Note 1.



Type Certificate Holder¹ **Leonardo S.p.A.** Aircraft Type Designation¹ **A109N**
 Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW207C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **3 Edition / Amendment 7** Chapter¹ **8 (8.4.1)**

EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
D327	3,175	3,175	90.5	95.0	88.4	94.0	91.2	96.0	-

¹ See Note 1.



Type Certificate Holder¹ **Leonardo S.p.A.** Aircraft Type Designation¹ **A109S**
 Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW207C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **3 Edition / Amendment 7** Chapter¹ **8 (8.4.1)**

EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
D5	3,175	3,175	90.5	95.0	88.4	94.0	91.2	96.0	-

¹ See Note 1.



Type Certificate Holder¹ **Leonardo S.p.A.** Aircraft Type Designation¹ **A119**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PT6B-37A**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment Chapter¹ **11 (11.4.1)**

EASA Record No.	Variant	Maximum Mass		Overflight SEL		See Note
		Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	
D255	Koala	2,720	2,720	86.5	87.4	-

¹ See Note 1.



Type Certificate Holder¹ **Leonardo S.p.A.** Aircraft Type Designation¹ **AW109SP**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PW207C**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **3 Edition / Amendment 7** Chapter¹ **8 (8.4.1)**

EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
D291	3,175	3,175	90.5	95.0	88.4	94.0	91.2	96.0	-

¹ See Note 1.



Type Certificate Holder¹ **Leonardo S.p.A.** Aircraft Type Designation¹ **AW119 MKII**

Engine Manufacturer¹ **Pratt & Whitney Canada** Engine Type Designation¹ **PT6B-37A**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹ **None**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **4 Edition / Amendment 8** Chapter¹ **8 (8.4.2)**

EASA Record No.	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
D256	2,850	2,850	90.8	91.6	88.2	89.6	91.0	94.6	-

¹ See Note 1.



TCDSN EASA.R.005 Notes

1. Items so marked shall be included on EASA Form 45.
2. This aircraft type conforms with the provisions of Article 6.1 of Regulation 216/2008 without the need to comply with the Standards of ICAO Annex 16, Volume I, by virtue of the date of type certification.



Change Record

Issue	Date	Changes
Issue 1	02 June 2005	Initial Issue
Issue 2	15 February 2008	Page 3: Add record D267 Page 4: Add record D268 Page 5: Add record D192 Page 6: Add recprd D193 Page 7: Add record D194 Page 8: Add record D108 Page 9: Add record D109 Page 10 Add record D269 Page 11: Add record D255 Page 12 Add record D270 Page 14: Add record D256
Issue 3	25 May 2009	Page 14: Add record D291
Issue 4	06 January 2010	Update of the footnote for blank records
Issue 5	25 February 2010	Record D291: Type designation revised.
Issue 6	29 November 2010	Record D327 added.
Issue 7	23 July 2012	Revised
Issue 8	18 February 2014	Name of TC-holder revised.
Issue 9	15 August 2016	TC holder changed to Leonardo S.p.A.

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