

TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.R.005

for

A109, A119

Type Certificate Holder: Leonardo S.p.A. Piazza Monte Grappa 4 00195 Roma Italy

For models: A109 A109A A109AII A109C A109E A109K2 A109LUH A109N A109S A119 AW109SP AW119 MKII



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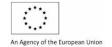
TCDSN No.: EASA.R.005 Issue: 10					Page 3 of 18 Date: 15 July 2022
Type Certificate Holder ¹	Leonardo S.p.A.		Aircraft Type Designation ¹	A109	
Engine Manufacturer ¹	Rolls-Royce Corporation		Engine Type Designation ¹	250-C20	
Additional modifications esse certificated noise levels ¹	ntial to meet the requirements or	needed to attain the	None		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹	8

EASA	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		500
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
D267	2,450	2,450	-	-	-	-	-	-	2



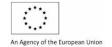
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Type Certificate Holder ¹	Leonardo S.p.A.		Aircraft Type Designation ¹	A109A	
Engine Manufacturer ¹	Rolls-Royce Corporation		Engine Type Designation ¹	250-C20B	
Additional modifications esse certificated noise levels ¹	ential to meet the requirements or	needed to attain the	None		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹	8

EASA	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		See
Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	Note
D191	2,600	2,600	-	-	-	-	-	-	2
D268	2,450	2,450	-	-	-	-	-	-	2



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Type Certificate Holder ¹	Leonardo S.p.A.		Aircraft Type Designation ¹	A109AII	
Engine Manufacturer ¹	Rolls-Royce Corporation		Engine Type Designation ¹	250-C20B	
Additional modifications esse certificated noise levels ¹	ential to meet the requirements or	needed to attain the	None		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹	8

EASA	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		500
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
D192	2,600	2,600	-	-	-	-	-	-	2



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Type Certificate Holder ¹	Leonardo S.p.A.		Aircraft Type Designation ¹	A109AII	
Engine Manufacturer ¹	Rolls-Royce Corporation		Engine Type Designation ¹	250-C20R/1	
Additional modifications esse certificated noise levels ¹	ntial to meet the requirements or n	needed to attain the	None		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹	8

EASA	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		See
Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	Note
D193	2,600	2,600	-	-	-	-	-	-	2



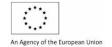
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Type Certificate Holder ¹	Leonardo S.p.A.		Aircraft Type Designation ¹	A109C	
Engine Manufacturer ¹	Rolls-Royce Corporation		Engine Type Designation ¹	250-C20R/1	
Additional modifications esse certificated noise levels ¹	ntial to meet the requirements or	needed to attain the	None		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹	8

EASA	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		500
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
D194	2,720	2,720	92.4	94.4	88.8	93.4	90.1	95.4	-



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Type Certificate Holder ¹	Leonardo S.p.A.		Aircraft Type Designation ¹	A109E	
Engine Manufacturer ¹	Safran Helicopter Engines		Engine Type Designation ¹	Arriel 2K1	
Additional modifications esse certificated noise levels ¹	ntial to meet the requirements or r	needed to attain the	None		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹	8 (8.4.1)

EASA	Maximum Mass		Take-Off EPNL		Overflight EPNL		Approach EPNL		500
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
D269	2,850	2,850	91.8	94.6	91.4	93.6	93.4	95.6	-



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Type Certificate Holder ¹	Leonardo S.p.A.		Aircraft Type Designation ¹	A109E	
Engine Manufacturer ¹	Pratt & Whitney Canada Corp.		Engine Type Designation ¹	PW206C	
Additional modifications esse certificated noise levels ¹	ential to meet the requirements or	needed to attain the	None		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹	8 (8.4.1)

FACA	Maximu	um Mass	Take-Off EPNL		Overflight EPNL		Approach EPNL		600
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
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	-



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Type Certificate Holder ¹	Leonardo S.p.A.		Aircraft Type Designation ¹	A109K2	
Engine Manufacturer ¹	Safran Helicopter Engines		Engine Type Designation ¹	Arriel 1K1	
Additional modifications esse certificated noise levels ¹	ential to meet the requirements or r	needed to attain the	None		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment		Chapter ¹	8 (8.4.1)

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



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Type Certificate Holder ¹	Leonardo S.p.A.		Aircraft Type Designation ¹	A109LUH	
Engine Manufacturer ¹	Safran Helicopter Engines		Engine Type Designation ¹	Arrius 2K2	
Additional modifications esse certificated noise levels ¹	ential to meet the requirements or n	eeded to attain the	None		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter ¹	8 (8.4.2)

EASA	Maximu	ım Mass	Take-Off EPNL		Overflight EPNL		Approach EPNL		500
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
D270	3,000	3,000	91.8	91.8	88.6	89.8	92.9	94.8	-



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Type Certificate Holder ¹	Leonardo S.p.A.		Aircraft Type Designation ¹	A109N	
Engine Manufacturer ¹	Pratt & Whitney Canada Corp.		Engine Type Designation ¹	PW207C	
Additional modifications essential to meet the requirements or needed to attain the certificated noise levels 1			None		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter ¹	8 (8.4.1)

EASA	Maximu	ım Mass	Take-Off EPNL		Overflight EPNL		Approach EPNL		500
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
D327	3,175	3,175	90.5	95.0	88.4	94.0	91.2	96.0	-



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Type Certificate Holder ¹	Leonardo S.p.A.		Aircraft Type Designation ¹	A109S	
Engine Manufacturer ¹	Pratt & Whitney Canada Corp.		Engine Type Designation ¹	PW207C	
Additional modifications esse certificated noise levels ¹	None				
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter ¹	8 (8.4.1)

EASA	Maximu	ım Mass	Take-Off EPNL		Overflight EPNL		Approach EPNL		500
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
D5	3,175	3,175	90.5	95.0	88.4	94.0	91.2	96.0	-



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Type Certificate Holder ¹	Leonardo S.p.A.		Aircraft Type Designation ¹	A119	
Engine Manufacturer ¹	Pratt & Whitney Canada Corp.		Engine Type Designation ¹	PT6B-37A	
Additional modifications esse certificated noise levels ¹	ential to meet the requirements or r	needed to attain the	None		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3	Chapter ¹	11 (11.4.1)

FACA		Maximu	m Mass	Overfli	Sec.	
Record No.	EASA Variant Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	See Note
D255	Koala	2,720	2,720	86.5	87.4	-



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Type Certificate Holder ¹	Leonardo S.p.A.		Aircraft Type Designation ¹	AW109SP	
Engine Manufacturer ¹	Pratt & Whitney Canada Corp.		Engine Type Designation ¹	PW207C	
Additional modifications esse certificated noise levels ¹	ntial to meet the requirements or n	eeded to attain the	None		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 3 / Amendment 7	Chapter ¹	8 (8.4.1)

EASA	Maximu	ım Mass	Take-Off EPNL		Overflight EPNL		Approach EPNL		500
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
D291	3,175	3,175	90.5	95.0	88.4	94.0	91.2	96.0	-



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Type Certificate Holder ¹	Leonardo S.p.A.		Aircraft Type Designation ¹	AW119 MKII	
Engine Manufacturer ¹	Pratt & Whitney Canada Corp.		Engine Type Designation ¹	PT6B-37A	
Additional modifications esse certificated noise levels ¹	ential to meet the requirements or n	eeded to attain the	None		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 4 / Amendment 8	Chapter ¹	8 (8.4.2)

EASA	Maximu	ım Mass	Take-Off EPNL		Overflight EPNL		Approach EPNL		500
EASA Record No.	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	See Note
D256	2,850	2,850	90.8	91.6	88.2	89.6	91.0	94.6	-



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.005 Notes

- 1. In cases where it is appropriate to issue a noise certificate, items so marked shall be included on EASA Form 45.
- 2. This aircraft type conforms with the provisions of Art 9 (2) 1st subparagraph of Regulation (EU)2018/1139 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.
Issue 10	15 July 2022	Engine manufacturer revised

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