

Civil Aviation Authority United Kingdom



TYPE-CERTIFICATE DATA SHEET FOR NOISE

UK.TC.R.00103

for

A109, A119

Type Certificate holder

Leonardo S.p.A.

Piazza Monte Grappa, 4

00195 Roma

Italy

Model(s): A109
A109A
A109AII
A109C
A109E
A109K2
A109LUH
A109N
A109S,
AW109SP
A119
AW119MKII

Issue: 1

Date of issue: 22 April 2024

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Type Designation	Airframe Modification	MTOW (kg)	MLW (kg)	Engine	Engine Modification	Regulation Ed./Amend. Chapter	Take-off Level (EPNdB)	Take-off Limit (EPNdB)	Overflight Level (EPNdB)	Overflight Limit (EPNdB)	Approach Level (EPNdB)	Approach Limit (EPNdB)	Notes	Record Number
A109	None	2,450	2,450	Rolls-Royce Corporation 250-C20	None	Annex 16/l Chapter 8	n/a	n/a	n/a	n/a	n/a	n/a	This aircraft type conforms with the provisions of Article 9.2 of UK Reg (EU) 2018/1139, as amended by the Aviation Safety (Amendment) Regulations 2022, without the need to comply with the Standards of ICAO Annex 16, Volume I, by virtue of the date of type certification.	D267
A109A	None	2,450	2,450	Rolls-Royce Corporation 250-C20B	None	Annex 16/l Chapter 8	n/a	n/a	n/a	n/a	n/a	n/a	This aircraft type conforms with the provisions of Article 9.2 of UK Reg (EU) 2018/1139, as amended by the Aviation Safety (Amendment) Regulations 2022, without the need to comply with the Standards of ICAO Annex 16, Volume I, by virtue of the date of type certification.	D268
A109A	None	2,600	2,600	Rolls-Royce Corporation 250-C20B	None	Annex 16/l Chapter 8	n/a	n/a	n/a	n/a	n/a	n/a	This aircraft type conforms with the provisions of Article 9.2 of UK Reg (EU) 2018/1139, as amended by the Aviation Safety (Amendment) Regulations 2022, without the need to comply with the Standards of ICAO Annex 16, Volume I, by virtue of the date of type certification.	D191
A109AII	None	2,600	2,600	Rolls-Royce Corporation 250-C20B	None	Annex 16/l Chapter 8	n/a	n/a	n/a	n/a	n/a	n/a	This aircraft type conforms with the provisions of Article 9.2 of UK Reg (EU) 2018/1139, as amended by the Aviation Safety (Amendment) Regulations 2022, without the need to comply with the Standards of ICAO Annex 16, Volume I, by virtue of the date of type certification.	D192
A109AII	None	2,600	2,600	Rolls-Royce Corporation 250-C20R/1	None	Annex 16/l Chapter 8	n/a	n/a	n/a	n/a	n/a	n/a	This aircraft type conforms with the provisions of Article 9.2 of UK Reg (EU) 2018/1139, as amended by the Aviation Safety (Amendment) Regulations 2022, without the need to comply with the Standards of ICAO Annex 16, Volume I, by virtue of the date of type certification.	D193
A109C	None	2,720	2,720	Rolls-Royce Corporation 250-C20R/1	None	Annex 16/l Chapter 8 (8.4.1)	92.4	94.4	88.8	93.4	90.1	95.4	None	D194
A109E	None	2,850	2,850	Pratt & Whitney Canada PW206C	None	Annex 16/l Chapter 8 (8.4.1)	91.3	94.6	90.9	93.6	91.4	95.6	None	D109
A109E	None	2,850	2,850	Safran Helicopter Engines Arriel 2K1	None	Annex 16/l Chapter 8 (8.4.1)	91.8	94.6	91.4	93.6	93.4	95.6	None	D269

Type Designation	Airframe Modification	MTOW (kg)	MLW (kg)	Engine	Engine Modification	Regulation Ed./Amend. Chapter	Take-off Level (EPNdB)	Take-off Limit (EPNdB)	Overflight Level (EPNdB)	Overflight Limit (EPNdB)	Approach Level (EPNdB)	Approach Limit (EPNdB)	Notes	Record Number
A109E	None	3,000	3,000	Pratt & Whitney Canada PW206C	None	Annex 16/I Chapter 8 (8.4.1)	91.7	94.8	91.3	93.8	91.7	95.8	None	D195
A109K2	None	2,850	2,850	Safran Helicopter Engines Arriel 1K1	None	Annex 16/I Chapter 8 (8.4.1)	91.7	94.6	89.1	93.6	91.1	95.6	None	D108
A109LUH	None	3,000	3,000	Safran Helicopter Engines Arrius 2K2	None	Annex 16/I 3/7 Chapter 8 (8.4.2)	91.8	91.8	88.6	89.8	92.9	94.8	None	D270
A109N	None	3,175	3,175	Pratt & Whitney Canada PW207C	None	Annex 16/I 3/7 Chapter 8 (8.4.1)	90.5	95.0	88.4	94.0	91.2	96.0	None	D327
A109S	None	3,175	3,175	Pratt & Whitney Canada PW207C	None	Annex 16/I 3/7 Chapter 8 (8.4.1)	90.5	95.0	88.4	94.0	91.2	96.0	None	D5
AW109SP	None	3,175	3,175	Pratt & Whitney Canada PW207C	None	Annex 16/I 3/7 Chapter 8 (8.4.1)	90.5	95.0	88.4	94.0	91.2	96.0	None	D291
AW119 MKII	None	2,850	2,850	Pratt & Whitney Canada PT6B-37A	None	Annex 16/I 4/8 Chapter 8 (8.4.2)	90.8	91.6	88.2	89.6	91.0	94.6	None	D256

Type Designation	Airframe Modification	MTOW (kg)	Engine	Engine Modification	Regulation Ed./Amend. Chapter	Overflight Level dB(A) SEL	Overflight Limit dB(A) SEL	Notes	Record Number
A119	None	2,720	Pratt & Whitney Canada PT6B-37A	None	Annex 16/1 3 Chapter 11 (11.4.1)	86.5	87.4	None	D255

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Administration

I. Acronyms and Abbreviations

Acronym / Abbreviation	Definition
dB(A) SEL	Sound Exposure Level
Ed./Amend.	Edition/Amendment
EPNdB	Effective perceived noise decibel
MTOW	Maximum take-off weight
MLW	Maximum landing weight
Regulation Annex 16/I	ICAO Annex 16 Volume I
TCDSN	Type Certificate Data Sheet for Noise

II. Type Certificate Holder Record

TCH Record	Period
Leoardo S.p.A. Piazza Monte Grappa, 4 00195 Roma Italy	Present. No changes.

III. Amendment Record

TCDSN Issue No.	TCDSN Issue Date	Changes	TC Issue and Date
1	22 April 2024	Initial	Issue 1 22 April 2024