

**Civil Aviation Authority
United Kingdom**



TYPE-CERTIFICATE DATA SHEET FOR NOISE

UK.TC.A.00038

for

Gulfstream GVI and GVIII

Type Certificate Holder

Gulfstream Aerospace Corporation

500 Gulfstream Road

Savannah

Georgia 31408

United States of America

Model(s) GVI (G650)
GVIII-G700 (G700)

Issue: 3

Date of issue: 26 September 2024

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Type Designation	Airframe Modification	MTOW (kg)	MLW (kg)	Engine	Regulation Ed./Amend. Chapter	Lateral Level (EPNdB)	Lateral Limit (EPNdB)	Flyover Level (EPNdB)	Flyover Limit (EPNdB)	Approach Level (EPNdB)	Approach Limit (EPNdB)	Notes	Record Number
GVI	ASC 014 MTOW increase	46,992	37,874	Rolls-Royce Deutschland Ltd & Co KG BR700-725A1-12	Annex 16/I 6/10 Chapter 4	89.6	95.1	78.7	89.0	88.3	99.0	None	A19110
GVI	ASC 014, ASC 026 MTOW increase, weight variant	33,974	33,974	Rolls-Royce Deutschland Ltd & Co KG BR700-725A1-12	Annex 16/I 6/10 Chapter 4	90.7	94.0	71.7	89.0	88.3	98.0	None	A19136
GVI	ASC 014, ASC 027 MTOW increase, weight variant	40,823	37,874	Rolls-Royce Deutschland Ltd & Co KG BR700-725A1-12	Annex 16/I 6/10 Chapter 4	90.1	94.6	75.4	89.0	88.3	98.5	None	A19137
GVI	ASC 014, ASC 028 MTOW increase, weight variant	43,091	37,874	Rolls-Royce Deutschland Ltd & Co KG BR700-725A1-12	Annex 16/I 6/10 Chapter 4	89.9	94.8	76.6	89.0	88.3	98.7	None	A19138
GVI	ASC 014, ASC 029 MTOW increase, weight variant	45,177	37,874	Rolls-Royce Deutschland Ltd & Co KG BR700-725A1-12	Annex 16/I 6/10 Chapter 4	89.8	95.0	77.5	89.0	88.3	98.9	None	A19139
GVI	ASC 014, ASC 082 MTOW increase, weight variant	45,500	37,874	Rolls-Royce Deutschland Ltd & Co KG BR700-725A1-12	Annex 16/I 6/10 Chapter 4	89.7	95.0	77.9	89.0	88.3	98.9	None	A19140
GVI	None	45,177	37,874	Rolls-Royce Deutschland Ltd & Co KG BR700-725A1-12	Annex 16/I 4/8 Chapter 4	89.8	95.0	77.5	89.0	88.3	98.9	None	A18835
GVIII-G700	None	48,806	37,874	Rolls-Royce Deutschland Ltd & Co KG BR700-730B2-14	Annex 16/I 8/13 Chapter 14	88.3	95.2	75.6	89.1	88.1	99.1	None	E700217
GVIII-G700	ASC 005 Weight variant	33,974	33,974	Rolls-Royce Deutschland Ltd & Co KG BR700-730B2-14	Annex 16/I 8/13 Chapter 14	90.3	94.0	69.4	89.0	88.1	98.0	None	E700218
GVIII-G700	ASC 009 Weight variant	40,823	37,874	Rolls-Royce Deutschland Ltd & Co KG BR700-730B2-14	Annex 16/I 8/13 Chapter 14	89.5	94.6	72.1	89.0	88.1	98.5	None	E700219
GVIII-G700	ASC 011 Weight variant	43,091	37,874	Rolls-Royce Deutschland Ltd & Co KG BR700-730B2-14	Annex 16/I 8/13 Chapter 14	89.2	94.8	73.1	89.0	88.1	98.7	None	E700220
GVIII-G700	ASC 017 Weight variant	45,177	37,874	Rolls-Royce Deutschland Ltd & Co KG BR700-730B2-14	Annex 16/I 8/13 Chapter 14	88.9	94.9	73.9	89.0	88.1	98.9	None	E700221

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Administration

I. Acronyms and Abbreviations

Acronym / Abbreviation	Definition
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
Gulfstream Aerospace Corporation 500 Gulfstream Road Savannah Georgia 31408 United States of America	Present. No changes.

III. Amendment Record

TCDSN Issue No.	TCDSN Issue Date	Changes	TC Issue and Date
1	10 June 2022		Issue 1 10 June 2022
2	06 August 2024	Addition of GVIII-G700	Issue 3 06 August 2024
3	26 September 2024	GVIII-G700 ASC 017 revised MTOW (Record E700221)	