



TYPE-CERTIFICATE DATA SHEET FOR NOISE

No. EASA.IM.A.169

for

Gulfstream GVI and GVIII

Type Certificate Holder:

Gulfstream Aerospace Corporation

500 Gulfstream Road

Savannah, GA, 31408

USA

For models:

GVI

GVIII-G700



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Type Certificate Holder¹ **Gulfstream Aerospace Corporation** Aircraft Type Designation¹ **GVI**
 (Commercial Designation **G650)**

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG** Engine Type Designation¹ **BR700-725A1-12**

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 **Edition 4 / Amendment 8** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A18835	45,177	37,874	89.8	95.0	77.5	89.0	88.3	98.9	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation** Aircraft Type Designation¹ **GVI**
 (Commercial Designation **G650ER)**

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG** Engine Type Designation¹ **BR700-725A1-12**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **ASC 014 (MTOW increase)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 6 / Amendment 10** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19110	46,992	37,874	89.6	95.1	78.7	89.0	88.3	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GVI**
(Commercial Designation **G650ER**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **BR700-725A1-12**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 014, ASC 026 (MTOW increase, weight variant)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 7 / Amendment 11-B** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19136	33,974	33,974	90.7	94.0	71.7	89.0	88.3	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GVI**
(Commercial Designation **G650ER**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **BR700-725A1-12**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 014, ASC 027 (MTOW increase, weight variant)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 7 / Amendment 11-B** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19137	40,823	37,874	90.1	94.6	75.4	89.0	88.3	98.5	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GVI**
(Commercial Designation **G650ER**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **BR700-725A1-12**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 014, ASC 028 (MTOW increase, weight variant)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 7 / Amendment 11-B** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19138	43,091	37,874	89.9	94.8	76.5	89.0	88.3	98.7	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GVI**
(Commercial Designation **G650ER**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **BR700-725A1-12**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 014, ASC 029 (MTOW increase, weight variant)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 7 / Amendment 11-B** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19139	45,177	37,874	89.8	95.0	77.5	89.0	88.3	98.9	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GVI**
(Commercial Designation **G650ER**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **BR700-725A1-12**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 014, ASC 082 (MTOW increase, weight variant)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 7 / Amendment 11-B** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19140	45,500	37,874	89.7	95.0	77.9	89.0	88.3	98.9	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation** Aircraft Type Designation¹ **GVI**
 (Commercial Designation **G650ER**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG** Engine Type Designation¹ **BR700-725A1-12**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **ASC 014, ASC 137 (MTOW increase, MLW reduction)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 13** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19728	46,992	29,483	89.6	95.1	78.7	89.0	88.4	99.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation** Aircraft Type Designation¹ **GVI**
 (Commercial Designation **G650)**

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG** Engine Type Designation¹ **BR700-725A1-12**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **ASC 137 (MLW reduction)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 13** Chapter¹ **4**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19727	45,177	29,483	89.8	95.0	77.5	89.0	88.4	98.9	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation** Aircraft Type Designation¹ **GVIII-G700**
 (Commercial Designation **G700)**

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG** Engine Type Designation¹ **BR700-730B2-14**

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 **Edition 8 / Amendment 13** Chapter¹ **14**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19734	48,806	37,874	88.3	95.2	75.6	89.1	88.1	99.1	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation**

Aircraft Type Designation¹ **GVIII-G700**
(Commercial Designation **G700**)

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG**

Engine Type Designation¹ **BR700-730B2-14**

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels¹

ASC 005 (MTOW and MLW decrease)

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 13** Chapter¹ **14**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19738	33,974	33,974	90.3	94.0	69.4	89.0	88.1	98.0	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation** Aircraft Type Designation¹ **GVIII-G700**
 (Commercial Designation **G700)**

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG** Engine Type Designation¹ **BR700-730B2-14**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **ASC 009 (MTOW decrease)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 13** Chapter¹ **14**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19737	40,823	37,874	89.5	94.6	72.1	89.0	88.1	98.5	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation** Aircraft Type Designation¹ **GVIII-G700**
 (Commercial Designation **G700)**

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG** Engine Type Designation¹ **BR700-730B2-14**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **ASC 011 (MTOW decrease)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 13** Chapter¹ **14**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19736	43,091	37,874	89.2	94.8	73.1	89.0	88.1	98.7	-

¹ See Note 1.



Type Certificate Holder¹ **Gulfstream Aerospace Corporation** Aircraft Type Designation¹ **GVIII-G700**
 (Commercial Designation **G700)**

Engine Manufacturer¹ **Rolls-Royce Deutschland Ltd & Co. KG** Engine Type Designation¹ **BR700-730B2-14**

Additional modifications essential to meet the requirements or needed to attain the certified noise levels¹ **ASC 017 (MTOW decrease)**

Noise Certification Basis **ICAO Annex 16, Volume I** Edition / Amendment **Edition 8 / Amendment 13** Chapter¹ **14**

EASA Record No.	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		See Note
	Take-off ¹ (kg)	Landing (kg)	Level ¹	Limit	Level ¹	Limit	Level ¹	Limit	
A19735	45,177	37,874	88.9	94.9	73.9	89.0	88.1	98.9	-

¹ See Note 1.



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.IM.A.169 Notes

1. In cases where it is appropriate to issue a noise certificate, items so marked shall be included on EASA Form 45.



Change Record

Issue	Date	Changes
Issue 1	21 December 2012	Initial Issue
Issue 2	18 May 2016	Record A19110 added.
Issue 3	30 July 2020	Records A19136-A19140 added.
Issue 4	24 October 2023	Records A19727 and A19728 added; record A19138 Flyover noise levels revised; records A19137-A19149 edition and amendment of ICAO Annex 16 revised.
Issue 5	15 May 2024	GVIII-G700 records added. Engine manufacturer corrected.

