Gulfstream GVI and GVIII

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# 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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						Aircraft Type Des Commercial Des	•	<b>GVI</b> G650)	
Engine Manufacturer <sup>1</sup> Rolls-Royce Deutschland Ltd & Co. KG					E	Engine Type Desi	gnation <sup>1</sup>	BR700-725A1-1	2
Additional modifications essential to meet the requirements or needed to attain the <b>None</b> certificated noise levels <sup>1</sup>									
Noise Certification Basi	s ICAO A	nnex 16, Volume	I Edition / Ar	nendment	Edition 4 / Am	endment 8	Chapter <sup>1</sup>	4	
FACA	Maxim	Maximum Mass Lateral EPNL		Flyover EPNL Appr		Appro	oach EPNL	6	
EASA Becord No	Take-off <sup>1</sup>	Landing	Lovol <sup>1</sup>	Limit		Limit	Lovol <sup>1</sup>	Limit	- See Note

Limit

95.0

Level<sup>1</sup>

77.5

Limit

89.0

Level<sup>1</sup>

88.3

(kg) 37,874

(kg)

45,177

Level<sup>1</sup>

89.8

<sup>1</sup> See Note 1.



Record No.

A18835

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Note

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Limit

98.9

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Type Certificate Holder <sup>1</sup>	Gulfstream Aerospace Corpo	oration	Aircraft Type Design (Commercial Design		GVI G650ER)	
Engine Manufacturer <sup>1</sup>	gine Manufacturer <sup>1</sup> Rolls-Royce Deutschland Ltd & Co. KG			Engine Type Designation <sup>1</sup>		
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements	or needed to attain the	ASC 014 (MTOW increase)			
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 6 / Amendment 10	Chapter	4	

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



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Type Certificate Holder <sup>1</sup>	Gulfstream Aerospace Corporation	Aircraft Type Designation <sup>1</sup> (Commercial Designation	GVI G650ER)			
Engine Manufacturer <sup>1</sup>	Rolls-Royce Deutschland Ltd & Co. KG	Engine Type Designation <sup>1</sup>	BR700-725A1-12			
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements or needed to attain the	ASC 014, ASC 026 (MTOW increase, weight variant)				
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 7 / Amendment 11-B Chapte	er <sup>1</sup> 4			

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19136	33,974	33,974	90.7	94.0	71.7	89.0	88.3	98.0	-



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Type Certificate Holder <sup>1</sup>	Gulfstream Aerospace Corporation	Aircraft Type Designation1GVI(Commercial DesignationG650ER)				
Engine Manufacturer <sup>1</sup>	Rolls-Royce Deutschland Ltd & Co. KG	Engine Type Designation <sup>1</sup> BR700-725A1-12				
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements or needed to attain th	ASC 014, ASC 027 (MTOW increase, weight variant)				
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendmen	Edition 7 / Amendment 11-B Chapter <sup>1</sup> 4				

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19137	40,823	37,874	90.1	94.6	75.4	89.0	88.3	98.5	-



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Type Certificate Holder <sup>1</sup>	Gulfstream Aerospace Corporation	Aircraft Type Designation <sup>1</sup> (Commercial Designation	GVI G650ER)			
Engine Manufacturer <sup>1</sup>	Rolls-Royce Deutschland Ltd & Co. KG	Engine Type Designation <sup>1</sup>	BR700-725A1-12			
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements or needed to attain the	ASC 014, ASC 028 (MTOW increase, weight variant)				
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 7 / Amendment 11-B Chapte	r <sup>1</sup> <b>4</b>			

EACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19138	43,091	37,874	89.9	94.8	76.5	89.0	88.3	98.7	-



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Type Certificate Holder <sup>1</sup>	Gulfstream Aerospace Corporation	Aircraft Type Designation <sup>1</sup> (Commercial Designation	GVI G650ER)			
Engine Manufacturer <sup>1</sup>	Rolls-Royce Deutschland Ltd & Co. KG	Engine Type Designation <sup>1</sup>	BR700-725A1-12			
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements or needed to attain the	ASC 014, ASC 029 (MTOW increase, weight variant)				
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 7 / Amendment 11-B Chapter	<sup>-1</sup> <b>4</b>			

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		600
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19139	45,177	37,874	89.8	95.0	77.5	89.0	88.3	98.9	-



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Type Certificate Holder <sup>1</sup>	Gulfstream Aerospace Corporation	Aircraft Type Designation <sup>1</sup> (Commercial Designation	GVI G650ER)			
Engine Manufacturer <sup>1</sup>	Rolls-Royce Deutschland Ltd & Co. KG	Engine Type Designation <sup>1</sup>	BR700-725A1-12			
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements or needed to attain the	ASC 014, ASC 082 (MTOW increase, weight variant)				
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 7 / Amendment 11-B Chapte	er <sup>1</sup> <b>4</b>			

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



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Type Certificate Holder <sup>1</sup>	Gulfstream Aerospace Corp	oration	Aircraft Type Designa (Commercial Designa		GVI G650ER)	
Engine Manufacturer <sup>1</sup>	Rolls-Royce Deutschland Ltd	d & Co. KG	Engine Type Designa	tion <sup>1</sup>	BR700-725A1-12	
Additional modifications esse certificated noise levels <sup>1</sup>	ntial to meet the requirements	s or needed to attain the	ASC 014, ASC 137 (MTOW i	ncrease, MLV	V reduction)	
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 13	Chapter <sup>1</sup>	4	

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		500
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19728	46,992	29,483	89.6	95.1	78.7	89.0	88.4	99.0	-



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Type Certificate Holder <sup>1</sup>	Gulfstream Aerospace Corp	oration	Aircraft Type Designation (Commercial Designation)		<b>GVI</b> G650)	
Engine Manufacturer <sup>1</sup>	Rolls-Royce Deutschland Lto	d & Co. KG	Engine Type Designa	tion <sup>1</sup>	BR700-725A1-12	
Additional modifications esser certificated noise levels <sup>1</sup>	itial to meet the requirements	s or needed to attain the	ASC 137 (MLW reduction)			
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 13	Chapter <sup>1</sup>	4	

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



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Type Certificate Holder	<sup>-1</sup> Gulfstream Aerospace C	orporation	Aircraft Type Desi (Commercial Desi	-	GVIII-G700 G700)	
Engine Manufacturer <sup>1</sup>	Rolls-Royce Deutschland	l Ltd & Co. KG	Engine Type Desig	gnation <sup>1</sup>	BR700-730B2-1	4
Additional modificatior certificated noise levels	ns essential to meet the requirem $\mathbf{s}^1$	ents or needed to attain the	None			
Noise Certification Bas	is ICAO Annex 16, Volume	I Edition / Amendment	Edition 8 / Amendment 13	Chapter	<sup>1</sup> <b>14</b>	
5464	Maximum Mass	Lateral EPNL	Flyover EPNL	Арр	roach EPNL	
EASA	- 1					See

Level<sup>1</sup>

75.6

Limit

89.1

Level<sup>1</sup>

88.1

Limit

95.2

<sup>1</sup> See Note 1.



Record No.

A19734

Take-off<sup>1</sup>

(kg)

48,806

Landing

(kg)

37,874

Level<sup>1</sup>

88.3

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Note

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Limit

99.1

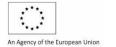
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Type Certificate Holder <sup>1</sup>	Gulfstream Aerospace Corp	poration	Aircraft Type Designation (Commercial Designation)		GVIII-G700 G700)	
Engine Manufacturer <sup>1</sup>	Rolls-Royce Deutschland Lt	d & Co. KG	Engine Type Designa	tion <sup>1</sup>	BR700-730B2-14	
Additional modifications esser certificated noise levels <sup>1</sup>	ntial to meet the requirement	s or needed to attain the	ASC 005 (MTOW and MLW	decrease)		
Noise Certification Basis	ICAO Annex 16, Volume I	Edition / Amendment	Edition 8 / Amendment 13	Chapter <sup>1</sup>	14	

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		600
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19738	33,974	33,974	90.3	94.0	69.4	89.0	88.1	98.0	-



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Type Certificate Holder <sup>1</sup>	Gulfstream Aerospace Corporation	Aircraft Type Designation <sup>1</sup> (Commercial Designation	GVIII-G700 G700)
Engine Manufacturer <sup>1</sup>	Rolls-Royce Deutschland Ltd & Co. KG	Engine Type Designation <sup>1</sup>	BR700-730B2-14
Additional modifications esser certificated noise levels <sup>1</sup>	itial to meet the requirements or needed to attain the	ASC 009 (MTOW decrease)	
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 8 / Amendment 13 Chapter <sup>1</sup>	14

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		6.00
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19737	40,823	37,874	89.5	94.6	72.1	89.0	88.1	98.5	-



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Type Certificate Holder <sup>1</sup>	Gulfstream Aerospace Corporation	Aircraft Type Designation <sup>1</sup> (Commercial Designation	GVIII-G700 G700)
Engine Manufacturer <sup>1</sup>	Rolls-Royce Deutschland Ltd & Co. KG	Engine Type Designation <sup>1</sup>	BR700-730B2-14
Additional modifications esser certificated noise levels <sup>1</sup>	ntial to meet the requirements or needed to attain the	ASC 011 (MTOW decrease)	
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 8 / Amendment 13 Chapter <sup>1</sup>	14

FAC	•	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		<u>for</u>
EASA Record		Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A1973	36	43,091	37,874	89.2	94.8	73.1	89.0	88.1	98.7	-



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Type Certificate Holder <sup>1</sup>	Gulfstream Aerospace Corporation	Aircraft Type Designation <sup>1</sup> (Commercial Designation	GVIII-G700 G700)
Engine Manufacturer <sup>1</sup>	Rolls-Royce Deutschland Ltd & Co. KG	Engine Type Designation <sup>1</sup>	BR700-730B2-14
Additional modifications esser certificated noise levels <sup>1</sup>	ntial to meet the requirements or needed to attain the	ASC 017 (MTOW decrease)	
Noise Certification Basis	ICAO Annex 16, Volume I Edition / Amendment	Edition 8 / Amendment 13 Chapter <sup>1</sup>	14

FACA	Maximum Mass		Lateral EPNL		Flyover EPNL		Approach EPNL		6
EASA Record No.	Take-off <sup>1</sup> (kg)	Landing (kg)	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	Level <sup>1</sup>	Limit	See Note
A19735	45,177	37,874	88.9	94.9	73.9	89.0	88.1	98.9	-



### **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.



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## Change Record

Issue	Date	Changes
lssue 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.

