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
Type Certificate Holder\(^1\)\hspace{2em}\textbf{Gulfstream Aerospace Corporation}\hspace{2em}Aircraft Type Designation\(^1\)\hspace{2em}\textbf{GVI}

\hspace{2em}(Commercial Designation \hspace{1em}G650)

Engine Manufacturer\(^1\)\hspace{2em}\textbf{Rolls-Royce Deutschland Ltd & Co. KG}\hspace{2em}Engine Type Designation\(^1\)\hspace{2em}\textbf{BR700-725A1-12}

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels\(^1\)\hspace{2em}None

Noise Certification Basis \hspace{2em}ICAO Annex 16, Volume I Edition / Amendment \hspace{2em}Edition 4 / Amendment 8 Chapter\(^1\)\hspace{2em}4

<table>
<thead>
<tr>
<th>EASA Record No.</th>
<th>Maximum Mass</th>
<th>Lateral EPNL</th>
<th>Flyover EPNL</th>
<th>Approach EPNL</th>
<th>See Note</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Take-off(^1) (kg)</td>
<td>Landing (kg)</td>
<td>Level(^1)</td>
<td>Limit</td>
<td>Level(^1)</td>
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<tr>
<td>A18835</td>
<td>45,177</td>
<td>37,874</td>
<td>89.8</td>
<td>95.0</td>
<td>77.5</td>
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\(^1\) See Note 1.

TE.CERT.00051-001 © European Union Aviation Safety Agency, 2024. All rights reserved. ISO9001 Certified. Proprietary document. Copies are not controlled. Confirm revision status through the EASA-Internet/Intranet.
### Type Certificate Holder

**Gulfstream Aerospace Corporation**

### Aircraft Type Designation

**GVI**

(Commercial Designation **G650ER**)

### Engine Manufacturer

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

### Engine Type Designation

**BR700-725A1-12**

### Additional Modifications

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

**ASC 014 (MTO increase)**

### Noise Certification Basis

**ICAO Annex 16, Volume I**

**Edition / Amendment**

**Edition 6 / Amendment 10**

**Chapter**

**4**

<table>
<thead>
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<td>37,874</td>
<td>89.6</td>
<td>95.1</td>
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</table>

¹ See Note 1.
Type Certificate Holder: Gulfstream Aerospace Corporation
Aircraft Type Designation: GVI
(Commercial Designation: G650ER)

Engine Manufacturer: Rolls-Royce Deutschland Ltd & Co. KG
Engine Type Designation: BR700-725A1-12

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels:
ASC 014, ASC 026 (MTOW increase, weight variant)

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

<table>
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<td>33,974</td>
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1 See Note 1.
### Type Certificate Holder
- **Gulfstream Aerospace Corporation**

### Aircraft Type Designation
- **GVI**
  (Commercial Designation **G650ER**)

### Engine Manufacturer
- **Rolls-Royce Deutschland Ltd & Co. KG**

### Engine Type Designation
- **BR700-725A1-12**

### Additional modifications essential to meet the requirements or needed to attain the certificated noise levels
- **ASC 014, ASC 027 (MTOW increase, weight variant)**

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

### EASA Record No.
- **A19137**

<table>
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<td>Landing (kg)</td>
<td>Level</td>
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<td>A19137</td>
<td>40,823</td>
<td>37,874</td>
<td>90.1</td>
<td>94.6</td>
<td>75.4</td>
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</table>

1 See Note 1.
**Type Certificate Holder** \( ^1 \) Gulfstream Aerospace Corporation

**Aircraft Type Designation** \( ^1 \) GVI

\( ^1 \) Commercial Designation: G650ER

**Engine Manufacturer** \( ^1 \) Rolls-Royce Deutschland Ltd & Co. KG

**Engine Type Designation** \( ^1 \) BR700-725A1-12

**Additional modifications essential to meet the requirements or needed to attain the certificated noise levels** \( ^1 \)

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

**Noise Certification Basis** ICAO Annex 16, Volume I

**Edition / Amendment** Edition 7 / Amendment 11-B

**Chapter** 4

<table>
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**Note**

1 See Note 1.
Type Certificate Holder\textsuperscript{1} Gulfstream Aerospace Corporation

Aircraft Type Designation\textsuperscript{1} GVI

(Commercial Designation G650ER)

Engine Manufacturer\textsuperscript{1} Rolls-Royce Deutschland Ltd & Co. KG

Engine Type Designation\textsuperscript{1} BR700-725A1-12

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels\textsuperscript{1}

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

Noise Certification Basis ICAO Annex 16, Volume I

Edition / Amendment Edition 7 / Amendment 11-B

Chapter\textsuperscript{1} 4

<table>
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<th>EASA Record No.</th>
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<td>95.0</td>
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\textsuperscript{1} See Note 1.
Type Certificate Holder: Gulfstream Aerospace Corporation

Aircraft Type Designation: GVI
(Commercial Designation: G650ER)

Engine Manufacturer: Rolls-Royce Deutschland Ltd & Co. KG

Engine Type Designation: BR700-725A1-12

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

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

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

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<td>89.0</td>
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See Note 1.
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<td>89.0</td>
<td>88.4</td>
<td>99.0</td>
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1 See Note 1.
Type Certificate Holder\(^1\) | Gulfstream Aerospace Corporation
---|---
Aircraft Type Designation\(^1\) | GVI
(Commercial Designation) | G650

Engine Manufacturer\(^1\) | Rolls-Royce Deutschland Ltd & Co. KG
---|---
Engine Type Designation\(^1\) | BR700-725A1-12

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels\(^1\)

Noise Certification Basis | ICAO Annex 16, Volume I Edition / Amendment | Edition 8 / Amendment 13 | Chapter\(^1\) | 4
---|---|---|---|---

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<tr>
<th>EASA Record No.</th>
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<td>Landing (kg)</td>
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<td>A19727</td>
<td>45,177</td>
<td>29,483</td>
<td>89.8</td>
<td>95.0</td>
<td>77.5</td>
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\(^1\) See Note 1.
Type Certificate Holder\(^1\) | Gulfstream Aerospace Corporation  
|---|---
| Aircraft Type Designation\(^1\) | GVIII-G700  
| (Commercial Designation  | G700)  
| Engine Manufacturer\(^1\) | Rolls-Royce Deutschland Ltd & Co. KG  
| Engine Type Designation\(^1\) | BR700-730B2-14  

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 8 / Amendment 13  

<table>
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<th>Approach EPNL</th>
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<td>75.6</td>
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</table>

See Note 1.

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Note: 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 (MTO and MLW decrease)

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

<table>
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<th>EASA Record No.</th>
<th>Maximum Mass</th>
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<th>Approach EPNL</th>
<th>See Note</th>
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<tbody>
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<td>Level¹</td>
<td>Level¹</td>
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<td>A19738</td>
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<td>33,974</td>
<td>90.3</td>
<td>94.0</td>
<td>69.4</td>
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¹ See Note 1.
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<th>Lateral EPNL</th>
<th>Flyover EPNL</th>
<th>Approach EPNL</th>
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<tbody>
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<td>Take-off¹ (kg)</td>
<td>Landing (kg)</td>
<td>Level¹</td>
<td>Limit</td>
<td>Level¹</td>
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<td>A19737</td>
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<td>72.1</td>
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¹ See Note 1.
Type Certificate Holder: Gulfstream Aerospace Corporation

Aircraft Type Designation: GVIII-G700

Engine Manufacturer: Rolls-Royce Deutschland Ltd & Co. KG

Engine Type Designation: BR700-730B2-14

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

ASC 011 (MTOW decrease)


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<th>EASA Record No.</th>
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<td>Take-off (kg)</td>
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</table>

¹ See Note 1.

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Type Certificate Holder: Gulfstream Aerospace Corporation
Aircraft Type Designation: GVIII-G700

Engine Manufacturer: Rolls-Royce Deutschland Ltd & Co. KG
Engine Type Designation: BR700-730B2-14

Additional modifications essential to meet the requirements or needed to attain the certificated noise levels: ASC 017 (MTOw decrease)

Noise Certification Basis: ICAO Annex 16, Volume I
Edition / Amendment: Edition 8 / Amendment 13
Chapter: 14

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\(^1\) See Note 1.
## CS-36 Amendment level

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<th>8</th>
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<td>Corresponding CS-36 Amendment level</td>
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## 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

<table>
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<th>Date</th>
<th>Changes</th>
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<td>21 December 2012</td>
<td>Initial Issue</td>
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<td>Issue 2</td>
<td>18 May 2016</td>
<td>Record A19110 added.</td>
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<tr>
<td>Issue 3</td>
<td>30 July 2020</td>
<td>Records A19136-A19140 added.</td>
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<tr>
<td>Issue 4</td>
<td>24 October 2023</td>
<td>Records A19727 and A19728 added; record A19138 Flyover noise levels revised; records A19137-A19149 edition and amendment of ICAO Annex 16 revised.</td>
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