



TYPE-CERTIFICATE DATA SHEET

EASA.IM.A.013

for

GULFSTREAM 200 / GALAXY

Type Certificate Holder

GULFSTREAM AEROSPACE LP (GALP)

P.O. Box 1036

Airport City

7019900, Israel

For Models: GULFSTREAM 200 / GALAXY

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SECTION 1: GENERAL

1. **Data Sheet No:** IM.A.013
2. **Airworthiness Category:** Large Aeroplanes
3. **Performance Category:** See Operating rules
4. **Certifying Authority:** Civil Aviation Administration of Israel (CAAI)
5. **Type Certificate Holder:**
Gulfstream Aerospace LP (GALP)
P.O. Box 1036
Airport City
7019900, Israel
6. **Manufacturer:**

up to S/N 151:
Israel Aircraft Industries Ltd.
Commercial A/C Group
Ben Gurion International Airport 70100,
Israel

S/N 152 and later:
Israel Aerospace Industries Ltd.
Commercial A/C Group
Ben Gurion International Airport 70100,
Israel

SECTION 2: GULFSTREAM 200 / GALAXY

I. General

1. **Aeroplane:** Gulfstream 200 / Galaxy
(see Note 1)

II. Certification Basis

1. **Reference Application Date for EASA Certification:** Dec 15, 1993
2. **EASA Certification Date:** 3rd September 2004
3. **EASA Certification Basis:**
- 3.1 JAA Mandatory Requirements
- 3.1.1 Applicable JAR Requirements at the Reference Date December 15, 1993
- JAR-25, Change 13, effective 5.10.89
Amendment 90/1 issued 11.5.90
Amendment 91/1 issued 12.5.91
Amendment 93/1 issued 8.3.93
ICAO Annex 16 Vol 1 - 3rd edition, July 1993 on aircraft noise
ICAO Annex 16 Vol 2 - 2nd edition, July 1993 engine emissions
4. **Special Conditions:**
- Issued in accordance with Paragraph 16 of JAR-21
- The following Special Conditions as defined by JAA Interim Policies were identified as part of EASA's Type Certification Basis of the Gulfstream Aerospace GULFSTREAM 200 / GALAXY Corporate Jet.
- 4.1 Novel or Unusual Design Features
- CRI C-04 Interaction of Systems and Structure
- 4.2 Unconventional Use
- CRI D-06 Operation up to 45.000 ft

SECTION 2: MODEL Gulfstream 200 / Galaxy - continued

4.3 General Experience

CRI B-01	Accelerate-stop Distances and Related Performance Matters	JAR 1.1, 1.2 and JAR 25.101, 105, 109, 113, 115, 735, 25X1591
CRI B-02	Performance information for Take-off from Contaminated Runways	JAR 25X1591 and AMJ 25X1591
CRI B-04	Stall and Stall Warning Speeds and Manoeuvre Capability	JAR 25.103, 107, 119,125, 143 and 207
CRI C-02	Yawing Manoeuvring Conditions Special Condition	JAR 25.351(a)
CRI D-04	Worn Brakes Special Condition JAA / G200	JAR 25.735
CRI E-03	Cowling and Nacelle Skin	JAR 25.1193
CRI F-06	Protection from the effects of HIRF	JAR-25.1431
CRI F-07	Lightning Protection - Direct Effects	JAR 25X899, INT/POL/25/3 Issue 1
CRI F-08	Lightning Protection - Indirect Effects	JAR 25.581, 25X89925.954, 25.1309 INT/POL/25/4 Issue 2

5. **Equivalent Safety Findings:**

5.1 Equivalent Safety Findings requested and concurred with in accordance with Paragraph 21 of JAR-21.

CRI C-05	Flutter, Deformation and Fail Safe Criteria	JAR 25.629
CRI D-07	Single Place Sidefacing Seat/ Sidefacing Divans	JAR 25.562 / 25.785
CRI D-10	Retracting Mechanism	JAR-25.729 (e)
CRI D-11	Retracting Mechanism, Landing Gear Position Indicator	JAR-25.729 (e)(7)
CRI D-12	Brake Overheat	JAR-25.729 (f)
CRI D-13	Brakes, Akku Indication	JAR-25.735 (i)
CRI D-14	Cockpit Indication System Press.	JAR-25.1436 (b) (2)
CRI E-01	APU Instrumentation	JAR 25.1305, 25.1501

CAAI/FAA Issue Papers (see CAAI /FAA ESFs)

FAA IP P-1	Turbine Engine Tail Pipe Fire Detection	JAR 25.1203 (a)
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5.2 Additional Technical Conditions (ATCs)

ATCs are covered in GALP document 4AS000/041097, EASA certification compliance report addressing ATCs and SRDs.

SECTION 2: MODEL Gulfstream 200 / Galaxy - continued

III. Technical Characteristics and Operational Limitations

1. General:

The GULFSTREAM 200 / GALAXY is a corporate long range jet, with a swept high speed wing, conventional empennage and a MTOW of 16.080 kg (35.450 lbs) (with MOD 7166), respectively MTOW of 16.170 kg (35650 lbs) with additional MOD G2-10082. The Maximum Certificated Passenger Seating Configuration is 19 passengers, the Maximum Operating Altitude 45.000 ft. The aircraft is powered by two Pratt & Whitney PW 306A engines.

1.1 Type Design Definition:

Build Standard Definition Document 4AS000/040650, Revision 1, 2004

1.2 Equipment:

Master Equipment List Report 4ASO36/980439 (see Note x2)

1.3 Engines:

Two PW 306A, refer to EASA Data sheet No.: EASA.IM.E.051

1.3.1 Engine Limits:

Static thrust at sea level: lbs

- Take-off (5 minutes) (with and without APR) 6040

- Maximum continuous 6040

Fluids: (Fuel, oil, additives) see maintenance manual for approved fluids.

Other engine limitations: See the relevant Engine Type Certificate Data Sheet.

1.4 Fuel

Conforming to Pratt & Whitney company specifications CPW 204, refer to the limitations section of the EASA approved Aeroplane Flight Manual.

1.5 Limit Speeds

Refer to EASA approved Airplane Flight Manual.

1.6 Centre of Gravity Range

Refer to EASA approved Airplane Flight Manual.

SECTION 2: MODEL Gulfstream 200 / Galaxy - continued

1.7 Maximum Certified Weights

MOD 7166 and MOD G2-10082 incorporated:

RAMP GROSS WEIGHT	16.239 kg (35.800 lbs)
MTOW:	16.171 kg (35.650 lbs)
MLW:	13.608 kg (30.000 lbs)
MZFW:	10.886 kg (24.000 lbs)

MOD 7166 incorporated:

RAMP GROSS WEIGHT	16.148 kg (35.600 lbs)
MTOW:	16.080 kg (35.450 lbs)
MLW:	13.608 kg (30.000 lbs)
MZFW:	10.886 kg (24.000 lbs)

SECTION 2: MODEL Gulfstream 200 / Galaxy - continued

1.8 Fuel quantity
(Density: 0.8 kg/litre, 6.7 lbs per US Gallon)

	LH WING TANK	LH FEED TANK	CENTER TANK	FUSELAGE TANK	FWD TANK	RH FEED TANK	RH WING TANK
Tank Capacity LBS	2362	180	2711	5515	1792	180	2362
(kg)	(1071)	(82)	(1230)	(2501)	(813)	(82)	(1071)
Tank Usable Fuel LBS	2355	168	2666	5515	1789	165	2355
(kg)	(1068)	(75)	(1209)	(2502)	(811)	(75)	(1068)
Arm (Meters)	10.87	11.09	10.11	12.74	8.33	11.09	10.87
Unusable Fuel LBS	7.1	15.00	45.0	0.0	3.0	15.00	7.1
(kg)	(3.2)	(6.8)	(20.4)	(0.0)	(1.4)	(6.8)	(3.2)
Arm (Meters)	10.50	11.09	10.28	12.74	8.57	11.09	10.44

Total Usable Fuel (all tanks): 6808 kg (15010 lbs)

Fuel System	lbs	(kg)	ARM (Meters)
Unusable:			
- drainable from tanks drain and lines	70.8	32.1	10.54
- undrainable (trapped in tanks and lines)	21.4	9.7	10.40

1.9 Minimum Flight Crew:

Two (2): One Pilot and One Co-pilot

1.10 Maximum Certificated Passenger Seating Capacity:

The Aircraft is eligible for carriage of 19 passengers provided approved seating arrangement and related required passenger provisions are incorporated in accordance with the EASA Certification Basis (see Note 3).

1.11 Cargo compartment loading

If Mod 7074 is implemented, the baggage compartment is not eligible for use.

Cargo Compartment loading must be accomplished in accordance with limitations as outlined in IAI Rep. 4AS031/960474/C, titled "Baggage compartment strength Substantiation"

SECTION 2: MODEL Gulfstream 200 / Galaxy - continued

1.12 Environmental Flight Envelope

Refer to EASA approved Airplane Flight Manual.

1.13 Other Limitations

Refer to EASA approved Airplane Flight Manual.

1.14 Auxiliary Power Unit (APU)

One Allied Signal APU GTCP36-150 (IAI)
Oils: refer to applicable approved Manuals

1.15 Equipment

The equipment required by the applicable requirements shall be installed.

IV Operating and Service Instructions

1 **Operating Instructions:**

Gulfstream 200 Airplane Flight Manual' marked G200-1001-1
Gulfstream 200 'Weight & Balance Section VIII of the G200 AFM

2 **Service Instructions:**

Gulfstream 200 'Aircraft Maintenance Manual' marked G200-1001-6
Service Bulletins
Maintenance Operations Letters
Illustrated Parts Catalogue
Wiring Diagram Manual

V. Operating Suitability Data (OSD)

The OSD elements listed below are approved by the European Aviation Safety Agency as per Commission Regulation (EU) 748/2012, as amended by Commission Regulation (EU) No 69/2014

1. Master Minimum Equipment List

SECTION 2: MODEL Gulfstream 200 / Galaxy - continued

The MMEL is defined in G200 EASA MMEL Rev.1 dated 12/10/2015 or later approved revisions

2. Flight Crew Data

The Flight Crew Data is defined in EASA-OSD-FC-G200-GAC-001, Basic Issue, dated 19 May 2015 or later approved revisions

3. Cabin Crew Data (select a. to e. as applicable)

N/A

4. SIM Data

N/A (not mandatory OSD element)

5. Maintenance Certifying Staff Data

N/A (not mandatory OSD element)

6. Other (e.g. EFB, special operations and special equipment, ...)

N/A (not mandatory OSD element)

VI Notes

Note 1

The "Gulfstream 200" airplane, as defined in this document, has gone through a name change in the past. The model designation compiles of the following two definitions:

- a. Model GALAXY, CAAI Approved December 16, 1998.
Serial Numbers: S/N 004 through 056.
- b. Model GULFSTREAM 200, CAAI Approved January 16, 2002.
Serial Numbers: S/N 057 and Subsequent.

The Model GALP GULFSTREAM 200 is identical to the IAI Model GALAXY except for the model designation. The only difference is the model designation (name) used on the data plate and associated manuals (MOD 7231).

GALAXY aircraft S/Ns 004 through 56 may elect to adopt the Gulfstream 200 name by compliance with Service Bulletin 200-11-112

SECTION 2: MODEL Gulfstream 200 / Galaxy - continued

- c. **Israel Aircraft Industries LTD.** (IAI) located at Ben Gurion International Airport 70100, Israel, manufactured the Model aircraft listed in this Type Certificate Data Sheet for **serial number 004 to 056.**
- d. **Israel Aircraft Industries LTD.** (IAI) located at Ben Gurion International Airport 70100, Israel, is licensed by Gulfstream Aerospace LP to manufacture and obtain Airworthiness Certificates for the Model aircraft listed in this Type Certificate Data Sheet for **serial number 057 to 151.**
- e. **Israel Aerospace Industries LTD.** (IAI) located at Ben Gurion International Airport 70100, Israel, is licensed by Gulfstream Aerospace LP to manufacture and obtain Airworthiness Certificates for the Model aircraft listed in this Type Certificate Data Sheet for **serial number 152 and subsequent.**

Note 2:

For equipment eligible for installation refer to Report 4AS034/980439, latest revision, titled "Master Equipment List - Gulfstream 200", and Report 4AS090/011150, latest revision, titled "G200 Type Design Report".

Note 3:

This aircraft is certificated without a furnished interior, i.e. in a "Green Aircraft" configuration.

The Aircraft is eligible for carriage of up to 19 passengers provided approved seating arrangement and related required passenger provisions are incorporated in accordance with the EASA Certification Basis.

Cabin interior installations must be in accordance with IAI G200 Report "4AS /000/041302 titled "G200 Outfitter Specification for the Green Aircraft Completion Center".

Note 4:

EASA Certification is restricted to Aircraft incorporating MOD 7166 or MOD 7166 plus MOD G2-10082 [Reference: Build Standard Definition Document 4AS000/040650, Revision 1, 2004].

Note 5:

All required placards listed in the Limitations Section of the approved EASA Airplane Flight Manual must be installed in the appropriate locations in the airplane.

SECTION: ADMINISTRATIVE

I. Acronyms and Abbreviations

APU: Auxiliary Power Unit
CAAI: Civil Aviation Authority of Israel
CRI: Certification Review Item
EASA: European Aviation Safety Agency
ESF: Equivalent Safety Finding
JAR: Joint Aviation Requirement
INT/POL: JAA Interim Policy
SB: Service Bulletin
SC: Special Condition
S/N: Serial Number

II. Type Certificate Holder Record

GULFSTREAM AEROSPACE LP (GALP)
P.O. Box 1036
Airport City
7019900, Israel

III. Change Record

Issue	Date	Changes	TC issue
Issue 01	03 September 2004	Initial Issue	Initial Issue, 03 September 2004
Issue 02	10 December 2015	<ul style="list-style-type: none">• address change (list of affected pages updated)• correction of name to Gulfstream 200/Galaxy• name change of manufacturer added• added additional MTOW option• added reference to EASA TCDS engines• correction of applicable maintenance instructions• correction of applicable operating and service instructions• revision of applicable S/Ns for model designation• OSD update	
Issue 03	03 July 2017	<ul style="list-style-type: none">• correction of manufacturer information• correction of MMEL date	

-END-