

State Aviation Administration of Ukraine

SAAU

TYPE CERTIFICATE DATA SHEET № TL 0063

GULFSTREAM G 200

Type Certificate Holder:

GULFSTREAM AEROSPACE LP (GALP)

C/O Israel Aircraft Industries Ltd

DPT 4199 Ben Gurion International Airport

70100 Israel

Models:

Gulfstream G 200

Issue 1, 18 June 2014

This Data Sheet which is integral part of Type Certificate № TL 0063 prescribes the conditions and limitations under which the product(s) for which the Type Certificate was granted meet(s) the airworthiness requirements and environmental protection requirements, stated in Certification basis mentioned in this Data Sheet.

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SECTION 1: GENERAL

- | | |
|----------------------------------|---|
| 1. Data Sheet No: | TL 0063 |
| 2. Type Certificate Holder: | GULFSTREAM AEROSPACE LP (GALP)
C/O Israel Aircraft Industries Ltd
DPT 4199 Ben Gurion International Airport
70100 Israel |
| 3. Primary Certifying Authority: | Civil Aviation Administration of Israel (CAAI) |
| 4. Airworthiness Category: | Transport category airplane |

SECTION 2: MODEL Gulfstream G200**I. General**

- | | |
|---|--------------------------------------|
| 1. Aircraft designation | Gulfstream G200 /GALAXY (see Note 1) |
| 2. Application Date for SAAU Certification: | 08 January 2008 |
| 3. SAAU Certification Date: | 18 June 2014 |

II. Certification Basis

- | | |
|---|--|
| 1. Reference Application Date for EASA Certification: | 15 December 1993 |
| 2. EASA Certification Date: | 03 September 2004 |
| 3. EASA Certification Basis: | JAR 25, change 13
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. SAAU Certification Basis:

AR-25 "Airworthiness Standards for Transport Category Airplanes"

Equivalent Safety Findings:

- | | |
|-------------------|---|
| AR 25.651 | Proof of strength (ref. CRI ST-15) |
| AR 25.1457(g), | Cockpit voice recorders and Flight data recorders (ref. CRI A-7) |
| AR 25.1459(d) | |
| AR D25F.5.10.1.4 | Flight recorders and Cockpit voice recorders (ref. CRI A-10) |
| AR D25F.5.10.1.6 | |
| AR D25F.8.4.5.1.9 | The equipment of radio communication (ref. CRI A-14) |
| AR 25F.8.2.2.14 | The general requirements to flight and navigation equipment (ref. CRI A-15) |



Environmental Standards:

Noise: ICAO Annex 16, Volume I, Aircraft Noise,
Third Edition, July 1993, Chapter 3

Engine Emissions and fuel
venting: ICAO Annex 16, Volume 2, 2nd edition, July 1993.



III. Technical Characteristics and Operational Limitations

1. General

The GALAXY/G200 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). 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 2)

1.3. Engines: Two PW 306A,
Ukrainian TCDS No. TD 0028

1.3.1. Engine Limits:
Static thrust at sea level, lbs:
- take-off (5mn) (with and without APR): 6040
- maximum continuous: 6040

Fluids (Fuel, oil, additives): see maintenance manual for approved fluids.
Other engine limitations: See the TCDS No. TD 0026

1.4. Fuel:
Conforming to Pratt & Whitney company specifications CPW 204, refer to the limitations section of the approved Airplane Flight Manual.

1.5. Limit Speeds:
Refer to approved Airplane Flight Manual.

1.6. Centre of Gravity Range:
Refer to approved Airplane Flight Manual.

1.7. Maximum Certified Weights:

	kg	lbs
Ramp Gross Weight	16148	35600
Maximum Take-Off Weight	16080	35450
Maximum Landing Weight	13608	30000
Maximum Zero Fuel Weight	10886	24000

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 (kg)	2362 (1071)	180 (82)	2711 (1230)	5515 (2501)	1792 (813)	180 (82)	2362 (1071)
Tank Usable Fuel LBS (kg)	2355 (1068)	168 (75)	2666 (1209)	5515 (2502)	1789 (811)	165 (75)	2355 (1068)
Arm (Meters)	10.87	11.09	10.11	12.74	8.33	11.09	10.87
Unusable Fuel LBS (kg)	7.1 (3.2)	15.00 (6.8)	45.0 (20.4)	0.0 (0.0)	3.0 (1.4)	15.00 (6.8)	7.1 (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 Certified 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 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"
- 1.12. Environmental Flight Envelope:
Refer to approved Airplane Flight Manual.
- 1.13. Other Limitations:
Refer to approved Airplane Flight Manual and Supplement to the AFM for operation in Ukraine.
- 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:
- FDR for commercial transportation;
- Portable Emergency VHF/UHF Radio Beacons "COSPAS-SARSAT" (ELT) is available by STC procedure (required for the operating over difficult of access and rarely populated regions and large water surfaces).
- 1.16. Service Information:
Service Bulletins, Continuing Airworthiness Instructions, including Airworthiness Directives (AD's) and the Structural Repair Manual and Major Repairs, which contain a statement that the document is Civil Aviation Administration of Israel (CAAI) approved, are accepted by the SAAU and considered SAAU approved, taking into account the SAAU Certification Basis and the SAAU approved Type Design of the airplane.
- 1.17. Maintenance Instructions:
Information essential to the proper servicing and maintenance of the aircraft is contained in the Manufacturer's Manual section of the Instructions for Continued Airworthiness Manual marked Galaxy-1001-6 or G200-1001-6 for IAI Model GALAXY airplanes and G200-1001-6, for GULFSTREAM Model G200 AIRPLANES.
Mandatory replacement times, structural inspection intervals and related structural inspection procedures and Certification Maintenance Requirements are presented in the approved Airworthiness Limitations Section of the Instruction for Continued Airworthiness Limitations Section of the Instruction for Continued Airworthiness Manual marked Galaxy-

1001-9 for IAI Model GALAXY airplanes and marked G200- 1001-9 for GULFSTREAM Model G200 airplanes.

IV. **Operating and Service Instructions**

1. Operating Instructions:

- EASA Gulfstream GALAXY/G200 Airplane Flight Manual' (G200);
- GALAXY/G200 'Weight & Balance Manual';
- GALAXY/G200 'JAA Master Minimum Equipment List';

2. Service Instructions:

- GALAXY/G200 'Aircraft Maintenance Manual';
- Airworthiness Limitations Aircraft Maintenance Manual Chapter 5;
- Certification Maintenance Requirements Report 4AS042/980199;
- Aircraft Maintenance Manual Chapter 5;
- Structural Repair Manual;
- Customer Bulletins;
- Maintenance Operations Letters;
- Illustrated Parts Catalogue;
- Wiring Diagram Manual.



SECTION 3: Notes

Note 1 The "Gulfstream G200" 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.

(For S/N 003: eligibility pending demonstration of conformity with the approved Type Design)

b. Model GULFSTREAM G200, CAAI Approved January 16, 2002.

Serial Numbers: S/N 057 and Subsequent

The Model GALP GULFSTREAM G200 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).

c. 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 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 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".

**Head of Aeronautical Products
Type Certification Department**



Sergii Gaidenko

