



## **Gulfstream 400**

The Gulfstream 400 was introduced in 2002 as part of Gulfstream's transformation of their product line. Technically speaking, the G400 is a G IV SP. The G400 comes with a high level of standard cabin and avionics features, that the only options are a head-up display, security system, and a local area network (LAN) for the cabin.

Founded in 1958, Gulfstream Aerospace Corporation is a wholly owned subsidiary of General Dynamics. The company has produced more than 1,300 aircraft for corporate, government, private and military customers around the world.

The G400 production was initiated just after the 500<sup>th</sup> G IV model was produced and ceases in 2004 when it was succeeded by the G450.



**ESTIMATED VARIABLE COSTS - Per Hour**

**G400**

Fuel (1)	\$2,647.04	\$-	\$-
Fuel Additives	-	-	-
Lubricants	-	-	-
Maintenance Labor (2)	119.26	-	-
Parts Airframe/Eng/Avion (3)	110.18	-	-
Engine Restoration (4)	360.68	-	-
Thrust Reverser Allowance	-	-	-
Propeller Allowance	-	-	-
APU Allowance	71.83	-	-
Major Periodic Maintenance	-	-	-
Misc Exp. - Landing/Parking	73.61	-	-
- Crew Expenses	249.60	-	-
- Supplies/Catering	131.04	-	-
- Carbon Offset (5)	-	-	-
- Other	-	-	-
Fractional Cost/Hour + Tax	-	-	-
<b>Total Variable Cost/Hour</b>	<b>\$3,763.24</b>	<b>\$-</b>	<b>\$-</b>
Average Speed-Kts. (6) 600-nm trip	424.00	-	-
<b>Cost per Nautical Mile</b>	<b>\$8.88</b>	<b>\$-</b>	<b>\$-</b>

Cost data in this report is intended to be used as a benchmark

**FOOTNOTES - Size of Operation: 1 - 2 Aircraft**

**Date: 2/8/2010**

**Currency: \$**

**Type of Operation:**

**Corporate**

1. Fuel Cost	5.17	-	-
Gallons/Hour Blk Fuel/Flt Time +15%	512	-	-
2. Maint. Labor Cost per Hour	89	-	-
Maint. Hours/Flight Hours	1.34	-	-
3. Incl. Engine Parts Cost	No		
Engine Model	TAY 611-8		
Aircraft Model Year	2004		
4. Overhaul Cost Source	JSSI Prem09		
5. CO2 Cost Per Tonne	-	-	-
6. Block Speed Source	Mftr Data		



## ANNUAL FIXED COSTS

G400

Crew salaries - Captain (7)	\$148,000	\$-	\$-
- Co Pilot	106,400	-	-
- Flt Attendant	81,700	-	-
- Flt Eng/Other	-	-	-
- Benefits	100,830	-	-
Hangar - Typical	90,700	-	-
Insurance - Hull (8)	30,800	-	-
Single Limit Liability	14,350	-	-
Recurrent Training	54,400	-	-
Aircraft Modernization (9)	50,000	-	-
Navigation Chart Service	16,223	-	-
Refurbishing (10)	121,485	-	-
Computer Mx. Program (11)	8,500	-	-
Weather Service (12)	700	-	-
Other Fixed Costs	-	-	-
Mgmt Fee/Yr + Tax	-	-	-
<b>Total Fixed Cost/Year</b>	<b>\$824,088</b>	<b>\$-</b>	<b>\$-</b>

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### FOOTNOTES - Size of Operation: 1 - 2 Aircraft

Date: 2/8/2010

Currency: \$

7. Crew Salary Source	08 NBAA		
Number of Crew	3	-	-
8. Ins Hull Value/Frac Share Cost	22,000,000	-	-
Hull Insurance Rate (%)	0.14	-	-
9. Modernization	10 Yr Avg		
10. Refurbish Labor Hrs/Seat	105	-	-
11. Comp. Mx Program Source	Typical		
12. Weather Service Source	Typical		



## ANNUAL BUDGET

### G400

Utilization - Nt. Miles	175,000	-	-
- Hours	413	-	-
Variable Cost	1,554,217	-	-
Fixed Cost	824,088	-	-
<b>Total Cost (No Depreciation)</b>	<b>\$2,378,305</b>	<b>\$-</b>	<b>\$-</b>
- Per Hour	5,759.00	-	-
- Per Nt. Mile	13.59	-	-
- Per Seat Nt. Mile	1.05	-	-
Total Cost (No Depreciation)	2,378,305	-	-
Book Depreciation (13)	2,200,000	-	-
<b>Total Cost (Book Dep)</b>	<b>\$4,578,305</b>	<b>\$-</b>	<b>\$-</b>
- Per Hour	11,085.00	-	-
- Per Nt. Mile	26.16	-	-
- Per Seat Nt. Mile	2.01	-	-
Total Cost (No Depreciation)	2,378,305	-	-
Market Depreciation (14)	880,000	-	-
<b>Total Cost (Market Dep.)</b>	<b>\$3,258,305</b>	<b>\$-</b>	<b>\$-</b>
- Per Hour	7,889.00	-	-
- Per Nt. Mile	18.62	-	-
- Per Seat Nt. Mile	1.43	-	-

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### Footnotes - Size of Operation: 1 - 2 Aircraft

Date: 2/8/2010

Currency: \$

13. Book Depreciation Rate	10% per yr		
14. Market Depreciation Rate	4.00	-	-



## GENERAL COMPARISON

### G400

Cabin-Height (Ft.)	6.20	-	-
- Width	7.30	-	-
- Length	45.10	-	-
Cabin volume (Cu. Ft.)	1,525.00	-	-
Cabin Door Height (Ft.)	5.00	-	-
- Width	3.00	-	-
Baggage -Int. (Cu.Ft.)	169.00	-	-
- External	-	-	-
Typical Crew/Pass Seating	3/13		
Weight-Max Take-off (Lbs.)	74,600	-	-
- Maximum Landing	66,000	-	-
- Basic Operating	43,700	-	-
- Usable Fuel	29,281	-	-
Payload-Full Fuel (Lbs.)	2,019	-	-
- Maximum	5,300	-	-
Certified/IFR Certified	Yes/Yes		
Price - New (Corporate)/1000	32,500	-	-
- Pre Owned Rng/1000	21,000/22,000		
- Years Produced	2003 - 2004		

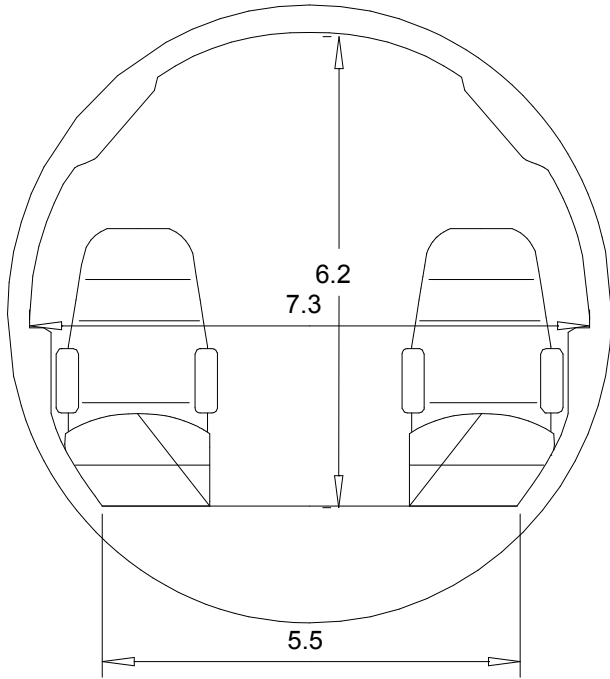
## PERFORMANCE COMPARISON

### G400

Range-NBAA IFR Res (N.Mi.)			
Seats Full	3,880	-	-
Ferry Range - (Pilot(s) only, no pax)	4,166	-	-
Range-30 Min. Res (N.Mi.)			
Seats Full	-	-	-
Ferry Range - (Pilot(s) only, no pax)	-	-	-
Balanced Field Length (Ft.)	5,700	-	-
Landing Distance - FAR 121	4,400	-	-
Rate Of Climb (Ft/Min)	3,640	-	-
- One Engine Out	701	-	-
Cruise Speed-Max (KTAS)	500	-	-
- Normal	476	-	-
- Long Range	445	-	-
Stall Speed (IAS)	98	-	-
Ceiling-Service MTOW (Ft.)	41,000	-	-
- Service OEI	23,440	-	-
- Hover IGE (Helicopter Only)	-	-	-
- Hover OGE (Helicopter Only)	-	-	-

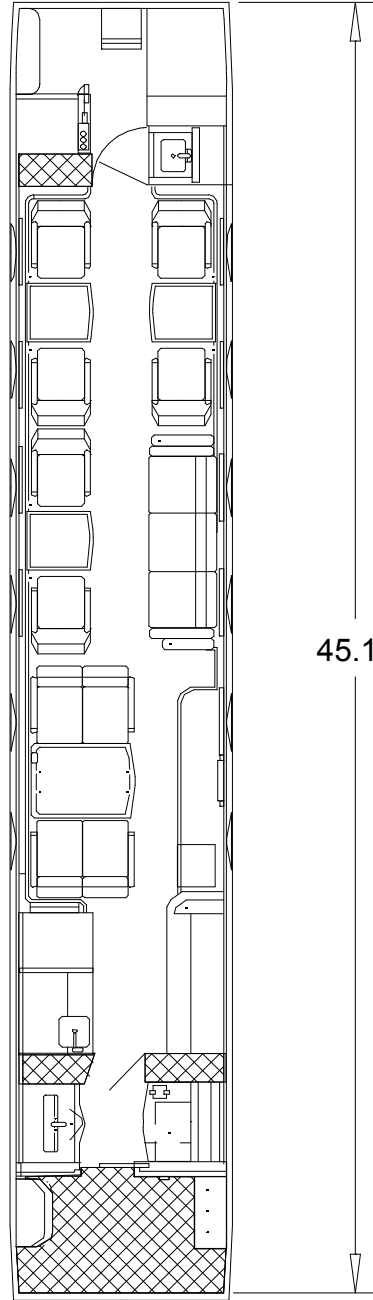
# INTERIOR

Scale = 1:30



G400

Scale = 1:80

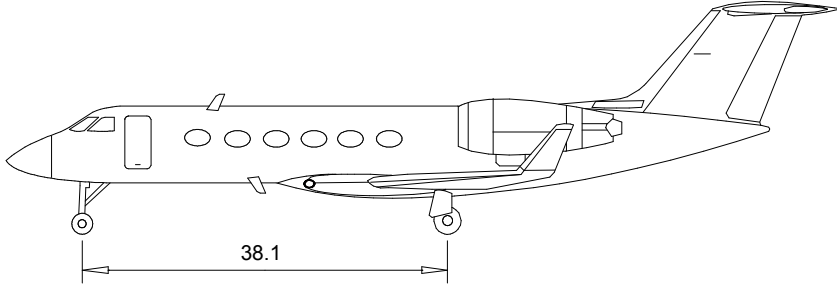


 - Baggage

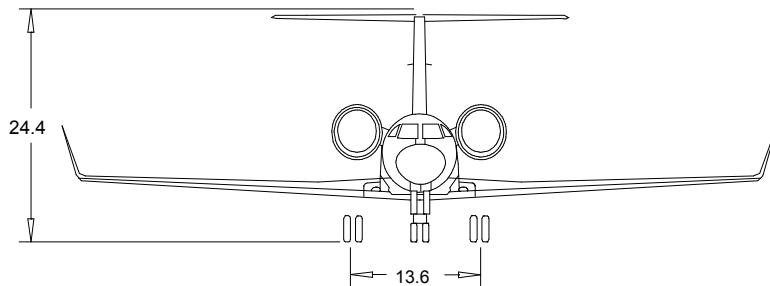
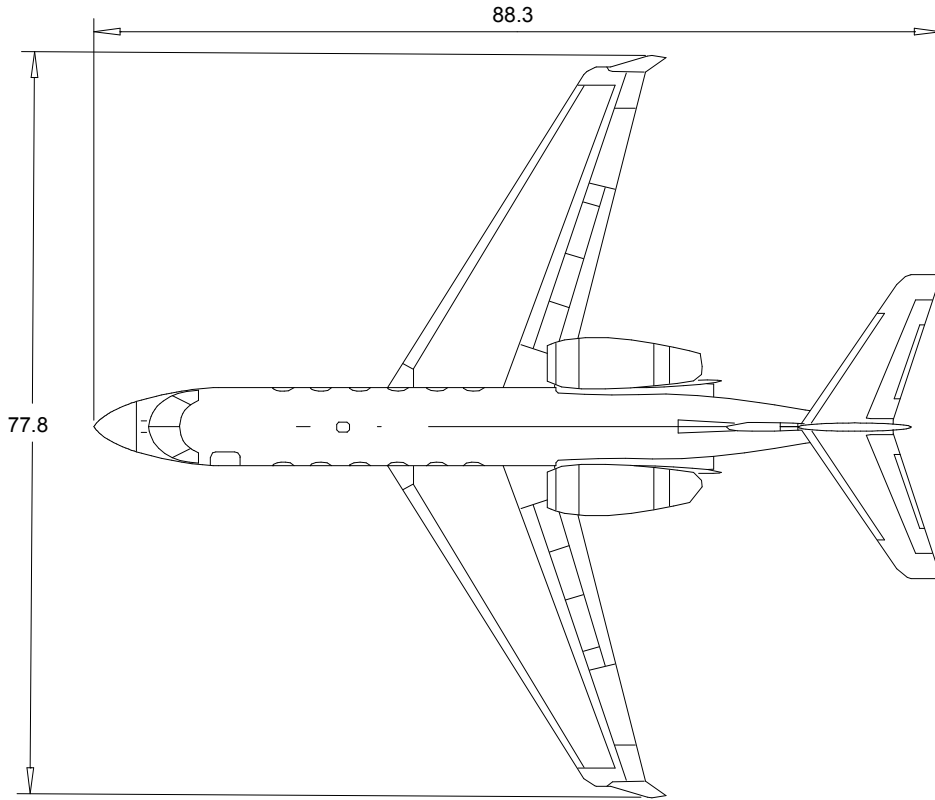
All dimensions are measured in Feet unless otherwise specified.

# EXTERIOR

Scale = 1:240



G400



All dimensions are measured in Feet unless otherwise specified.