

# Gulfstream G150 *Additional Information*

## economics

(2007 Gulfstream G150)

### HOURLY DIRECT OPERATING COSTS

- Fuel (\$6.86 per gallon): \$1,564.08
- Maintenance labor (1.17 lh per flight hour @ \$93/hour): \$108.81
- Parts, airframe, engine, avionics: \$173.53
- Inspections, component overhauls, life limited parts: \$201.09
- Engine Restoration: \$430.36
- APU Overhaul: \$42.76
- Misc. Expenses
  - Landing and parking fees: \$28.97
  - Crew expenses: \$96.86
  - Supplies & catering: \$51.06

**TOTAL VARIABLE FLIGHT COSTS PER HOUR: \$2,697.52**

- Average speed: 404.00
- Cost per nautical mile: \$6.68

### ANNUAL FIXED OPERATING COSTS

- Crew salaries (Estimates)
  - Captain: \$111,000
  - Copilot: \$79,000
  - Cabin Attendant: \$0
  - Benefits: \$57,000
- Hangar rental (typical): \$33,800
- Insurance (insured hull value = \$6,900,000)
  - Hull (rate = 0.25% of value): \$17,250
  - Single Limit Liability: \$11,000
- Recurrent crew training: \$51,200
- Aircraft modernization (avg per year): \$35,000
- Navigational chart service: \$3,742
- Refurbishing Allowance: \$25,200
- Computer maintenance program: \$4,900
- Aviation weather service (typical): \$700

**TOTAL FIXED COST PER YEAR: \$429,792**

### ANNUAL BUDGET—BASED ON 175,000 NM

(Utilization: 433 hours)

- Variable cost: \$1,168,026
- Fixed cost: \$429,792

**TOTAL FIXED COST (WITHOUT DEPRECIATION): \$1,597,818**

- Per hour: \$3,690
- Per nautical mile: \$9.13
- Per seat nautical mile: \$1.30

Total cost (without depreciation): \$1,597,818

- Book depreciation (10% per year): \$690,000

**TOTAL COST (WITH BOOK DEPRECIATION): \$2,287,818**

- Per hour: \$5,284
- Per nautical mile: \$13.07
- Per seat nautical mile: \$1.87

Total cost (without depreciation): \$1,597,818

- Market depreciation: \$276,000

**TOTAL COST (WITH MARKET DEPRECIATION): \$1,873,818**

Per hour: \$4,328

- Per nautical mile: \$10.71
- Per nautical seat mile: \$1.53

*Source: Conklin & de Decker, Orleans, Mass.*

## specifications

(2007 Gulfstream G150)

### CABIN DIMENSIONS

- Height: 5.75 ft
- Width: 17.7 ft
- Length: 465 ft
- Volume: 465 cu ft
- Door height: 4.33 ft
- Door width: 2.10 ft

### BAGGAGE:

- Internal: 25 cu ft

**TYPICAL SEATS CREW/PASSENGERS: 2/7**

### MAXIMUM WEIGHTS

- Takeoff: 26,100 lb
- Maximum landing: 21,700
- Basic operating: 15,100 lb
- Usable fuel: 10,300 lb
- Maximum payload: 850 lb
- Payload-full fuel: 850 lb
- Maximum: 2,400 lb
- Certified/IFR Certified: Yes/Yes
- Price - New (Typical): \$15,700m
- Pre Owned Rng: \$6.8 - \$13.3m

## performance

**RANGE** (IFR NBAA 200nm reserve)

- Seats full: 2,760 nm
- Ferry range (Crew only, no pax): 3,130
- Balanced Field Length: 5,640 ft
- Landing Field Length - FAR 121: 4,050 ft

### RATE OF CLIMB

- 3,340 fpm
- One engine not operating: 606 fpm

### CRUISE SPEED

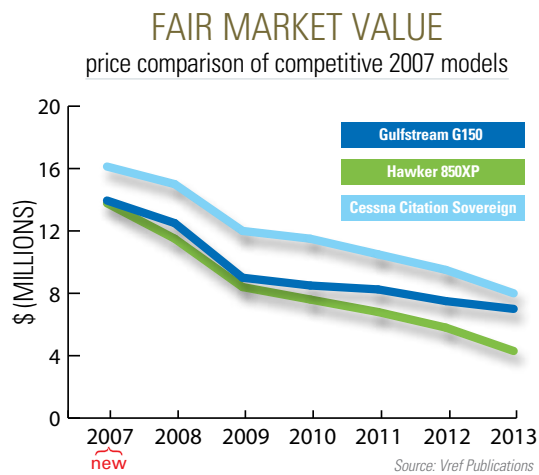
- Max: 470 kt
- Normal: 459 kt
- Long Range: 430 kt

### SERVICE CEILING

- Certified maximum: 45,000 ft
- Ceiling-Service at Mtow: 41,000 ft
- Service OEI: 26,400 ft

*Source: Conklin & de Decker, Orleans, Mass.*

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**Support & Service**  
Gulfstream G150 and Competitors

Model	Overall Average 2013	Overall Average 2011
Gulfstream G150	7.8	7.8
Cessna Citation Sovereign	8.0	8.1
Hawker 850XP	6.7	7.3

Source: Aviation International News Product Support Survey.  
Rating scale—1 to 10: 1-inadequate; 3-poor; 5.5-average; 8-good; 10-excellent.

## GULFSTREAM G150 COMPARED WITH OTHER AIRCRAFT

Model	First year produced	Variable cost/hour	Seats exec/max	Range (nm)	Normal cruise (kt)	Max takeoff weight (lb)
Gulfstream G150	2006	\$2,698	7/8	3,018	459	26,100
Hawker 850XP	2006	\$3,238	8/15	2,615	459	28,000
Citation Sovereign	2004	\$3,260	9/12	2,920	452	30,300

Assumptions: Aircraft are 2007 models. Jet fuel \$6.86/gal; variable cost: fuel plus maintenance reserves; four passengers; NBAA IFR 200 nm reserve fuel; passenger weight 200 lb includes baggage; two pilots.

Cost source: Conklin & de Decker Life Cycle Cost. Performance source: Conklin & de Decker Aircraft Performance Comparator, Orleans, Mass.