### 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: $6.68

**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 seat nautical mile: $1.53

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

**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 Mtor: 41,000 ft
- Service OEl: 26,400 ft

Source: Conklin & de Decker, Orleans, Mass.
Gulfstream G150

Additional Information

FAIR MARKET VALUE
price comparison of competitive 2007 models

GULFSTREAM G150 COMPARED WITH OTHER AIRCRAFT

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

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.