



Falcon 50EX

In 1973 Dassault began planning a long range, intercontinental version of the Falcon 20. The first idea was to go with a two engine aircraft but they elected to go with three engines for airline standards of safety. When the engineers showed their plans to Marcel Dassault he told them to proceed but to also put the aircraft on the new supercritical wing that was already being designed for the Falcon 10. Three Honeywell TFE 731 engines mounted in the tail section power the Falcon 50. When the engineers were finished computer designing the Falcon 50 not only had a new supercritical wing but also a new lightweight fuselage.

Production of the Falcon 50 stopped in 1996 due to the introduction of the Falcon 900. Customers kept requesting it so Dassault brought it back, re-engined the Falcon 50 with the new Honeywell TFE 731-40, and called it the Falcon 50EX.

The Falcon 50EX's maiden flight was on April 10, 1996,



ESTIMATED VARIABLE COSTS - Per Hour

Falcon 50EX			
Fuel (1)	\$2,073.50	\$-	\$-
Fuel Additives	-	-	-
Lubricants	-	-	-
Maintenance Labor (2)	182.45	-	-
Parts Airframe/Eng/Avion (3)	121.84	-	-
Engine Restoration (4)	473.23	-	-
Thrust Reverser Overhaul	-	-	-
Propeller Overhaul	-	-	-
APU Overhaul	46.85	-	-
Major Periodic Maintenance	-	-	-
Misc Exp. - Landing/Parking	32.76	-	-
- Crew Expenses	140.00	-	-
- Supplies/Catering	90.00	-	-
- Other	-	-	-
Fractional Cost/Hour + Tax	-	-	-
Total Variable Cost/Hour	\$3,160.63	\$-	\$-
Average Speed-Kts. (5) 600-nm trip	407.00	-	-
Cost per Nautical Mile	\$7.77	\$-	\$-

FOOTNOTES - Size of Operation: 1 - 2 Aircraft

Date: 3/31/2009

Currency: \$

Type of Operation:

Corporate

1. Fuel Cost	6.50	-	-
Gallons/Hour	319	-	-
2. Maint. Labor Cost per Hour	89	-	-
Maint. Hours/Flight Hours	2.05	-	-
3. Incl. Engine Parts Cost	No		
Model	TFE 731-40		
4. Overhaul Cost Source	JSSI Comp08		
5. Block Speed Source	Mftr Data		



ANNUAL FIXED COSTS

Falcon 50EX

Crew salaries - Captain (6)	\$125,000	\$-	\$-
- Co Pilot	85,000	-	-
- Flt Eng/Other	-	-	-
- Benefits	63,000	-	-
Hangar - Typical	49,500	-	-
Insurance - Hull (7)	40,860	-	-
Admitted Liability	1,925	-	-
Legal Liability	17,250	-	-
Recurrent Training	47,600	-	-
Aircraft Modernization (8)	50,000	-	-
Navigation Chart Service	16,223	-	-
Refurbishing (9)	84,105	-	-
Computer Mx. Program (10)	10,500	-	-
Weather Service (11)	700	-	-
Other Fixed Costs	-	-	-
Mgmt Fee/Yr + Tax	-	-	-
Total Fixed Cost/Year	\$591,663	\$-	\$-

FOOTNOTES -

Size of Operation: 1 - 2 Aircraft

Date: 3/31/2009

Currency: \$

6. Crew Salary Source	07 NBAA		
Number of Crew	2	-	-
7. Ins Hull Value/Frac Share Cost	22,700,000	-	-
Hull Insurance Rate (%)	0.18	-	-
8. Modernization	10 Yr Avg		
9. Refurbish Labor Hrs/Seat	105	-	-
10. Comp. Mx Program Source	Typical		
11. Weather Service Source	Typical		



ANNUAL BUDGET

Falcon 50EX

Utilization - Nt. Miles	175,000	-	-
- Hours	430	-	-
Variable Cost	1,359,071	-	-
Fixed Cost	591,663	-	-
Total Cost (No Depreciation)	\$1,950,734	\$-	\$-
- Per Hour	4,537.00	-	-
- Per Nt. Mile	11.15	-	-
- Per Seat Nt. Mile	1.24	-	-
Total Cost (No Depreciation)	1,950,734	-	-
Book Depreciation (12)	2,270,000	-	-
Total Cost (Book Dep)	\$4,220,734	\$-	\$-
- Per Hour	9,816.00	-	-
- Per Nt. Mile	24.12	-	-
- Per Seat Nt. Mile	2.68	-	-
Total Cost (No Depreciation)	1,950,734	-	-
Market Depreciation (13)	908,000	-	-
Total Cost (Market Dep.)	\$2,858,734	\$-	\$-
- Per Hour	6,648.00	-	-
- Per Nt. Mile	16.34	-	-
- Per Seat Nt. Mile	1.82	-	-

Footnotes - Size of Operation: 1 - 2 Aircraft

Date: 3/31/2009

Currency: \$

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



GENERAL COMPARISON

Falcon 50EX

Cabin-Height (Ft.)	5.90	-	-
- Width	6.10	-	-
- Length	23.50	-	-
Cabin volume (Cu. Ft.)	700.00	-	-
Cabin Door Height (Ft.)	5.00	-	-
- Width	2.60	-	-
Baggage -Int. (Cu.Ft.)	25.00	-	-
- External	90.00	-	-
Typical Crew/Pass Seating	2/9		
Weight-Max Take-off (Lbs.)	39,700	-	-
- Maximum Landing	35,715	-	-
- Basic Operating	22,250	-	-
- Usable Fuel	15,520	-	-
Payload-Full Fuel (Lbs.)	2,130	-	-
- Maximum	3,320	-	-
Certified/IFR Certified	Yes/Yes		
Price - New (Corporate)/1000	21,400.00	-	-
- Pre Owned Rng/1000	15,500/22,700		
- Years Produced	1997 - 2007		

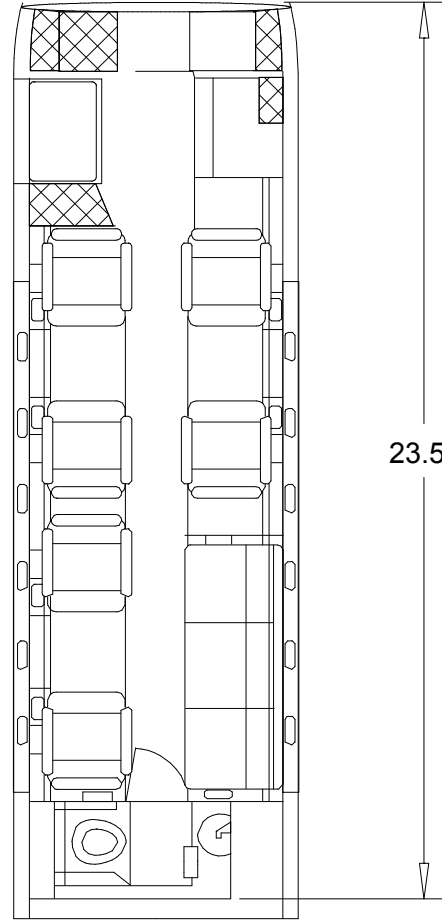
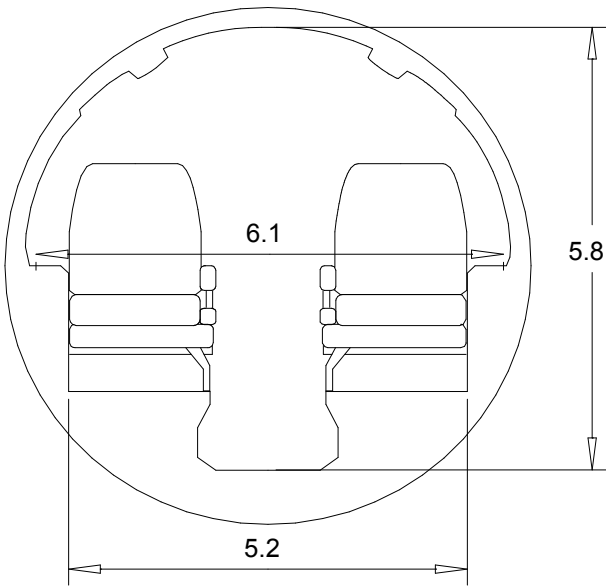
PERFORMANCE COMPARISON

Falcon 50EX

Range-NBAA IFR Res (N.Mi.)			
Seats Full	3,223	-	-
Ferry Range	3,388	-	-
Range-30 Min. Res (N.Mi.)			
Seats Full	-	-	-
Ferry Range	-	-	-
Balanced Field Length (Ft.)	5,000	-	-
Landing Distance - FAR 121	3,649	-	-
Rate Of Climb (Ft/Min)	3,515	-	-
- One Engine Out	671	-	-
Cruise Speed-Max (KTAS)	480	-	-
- Normal	459	-	-
- Long Range	430	-	-
Stall Speed (IAS)	82	-	-
Ceiling-Service MTOW (Ft.)	41,900	-	-
- Service OEI	31,900	-	-
- Hover IGE (Helicopter Only)	-	-	-
- Hover OGE (Helicopter Only)	-	-	-

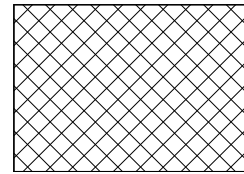
INTERIOR

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Falcon 50EX

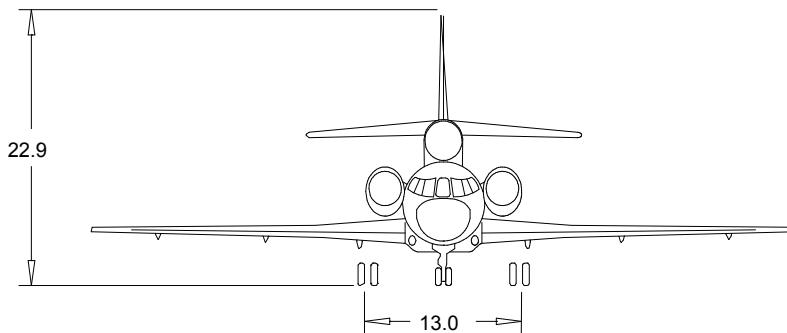
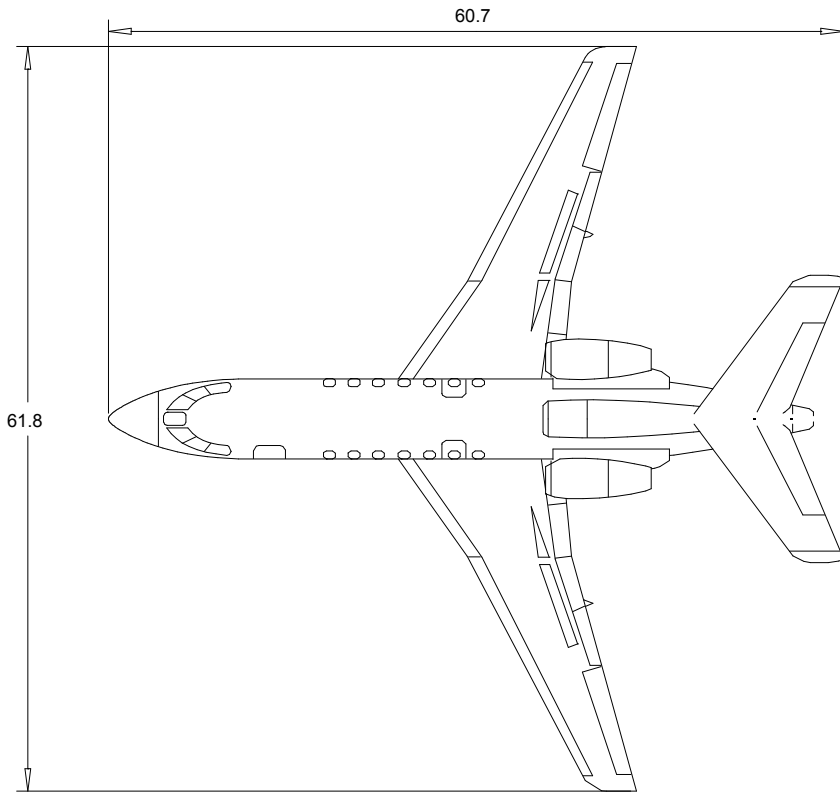
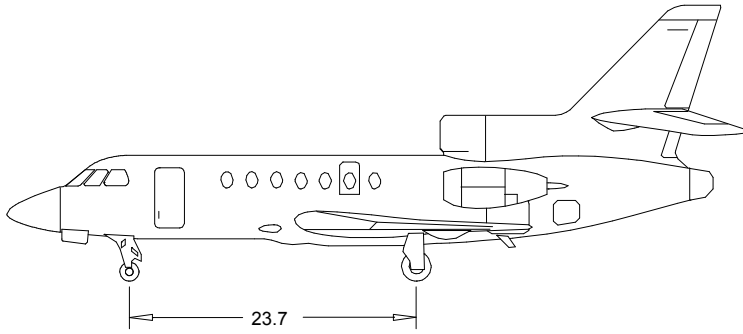


 - Baggage

All dimensions are measured in Feet unless otherwise specified.

EXTERIOR

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All dimensions are measured in Feet unless otherwise specified.