



## **Falcon 2000**

The Falcon 2000 shares the 900's wing and forward fuselage. It is a twin-engine transcontinental business jet with a cabin 7 feet shorter than the Falcon 900. The CFE738 engine was developed specifically for the Falcon 2000 by a partnership consisting of General Electric and AlliedSignal, known as CFE.

Another noticeable design change between the 900 and 2000 is the rear fuselage. Changes to the wing include a modified leading edge and the inboard slats have been removed. The cockpit has a Collins four-screen EFIS avionics system with optional Flight Dynamics head-up displays. The 2000 series (including the 2000EX, 2000EX Easy and Falcon 2000DX) is Dassault's best selling aircraft, especially with fractional owners.

First flight of the 2000 occurred on March 4, 1993 and FAA certification was received in 1994.



**ESTIMATED VARIABLE COSTS - Per Hour**

**Falcon 2000**

Fuel (1)	\$1,483.79	\$-	\$-
Fuel Additives	-	-	-
Lubricants	-	-	-
Maintenance Labor (2)	153.08	-	-
Parts Airframe/Eng/Avion (3)	143.05	-	-
Engine Restoration (4)	516.61	-	-
Thrust Reverser Allowance	-	-	-
Propeller Allowance	-	-	-
APU Allowance	56.45	-	-
Major Periodic Maintenance	-	-	-
Misc Exp. - Landing/Parking	35.32	-	-
- Crew Expenses	249.60	-	-
- Supplies/Catering	131.04	-	-
- Carbon Offset (5)	-	-	-
- Other	-	-	-
Fractional Cost/Hour + Tax	-	-	-
<b>Total Variable Cost/Hour</b>	<b>\$2,768.94</b>	<b>\$-</b>	<b>\$-</b>
Average Speed-Kts. (6) 600-nm trip	424.00	-	-
<b>Cost per Nautical Mile</b>	<b>\$6.53</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: 11/17/2009**

**Currency: \$**

**Type of Operation:**

**Corporate**

1. Fuel Cost	5.17	-	-
Gallons/Hour Blk Fuel/Flt Time +15%	287	-	-
2. Maint. Labor Cost per Hour	89	-	-
Maint. Hours/Flight Hours	1.72	-	-
3. Incl. Engine Parts Cost	No		
Engine Model	CFE 738-1-1B		
Aircraft Model Year	2007		
4. Overhaul Cost Source	JSSI Prem09		
5. CO2 Cost Per Tonne	-	-	-
6. Block Speed Source	Mftr Data		



## ANNUAL FIXED COSTS

### Falcon 2000

Crew salaries - Captain (7)	\$132,000	\$-	\$-
- Co Pilot	80,000	-	-
- Flt Attendant	75,000	-	-
- Flt Eng/Other	-	-	-
- Benefits	86,100	-	-
Hangar - Typical	55,500	-	-
Insurance - Hull (8)	32,300	-	-
Single Limit Liability	13,850	-	-
Recurrent Training	49,200	-	-
Aircraft Modernization (9)	50,000	-	-
Navigation Chart Service	16,223	-	-
Refurbishing (10)	74,760	-	-
Computer Mx. Program (11)	10,500	-	-
Weather Service (12)	700	-	-
Other Fixed Costs	-	-	-
Mgmt Fee/Yr + Tax	-	-	-
<b>Total Fixed Cost/Year</b>	<b>\$676,133</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: 11/17/2009

Currency: \$

7. Crew Salary Source	08 NBAA		
Number of Crew	3	-	-
8. Ins Hull Value/Frac Share Cost	19,000,000	-	-
Hull Insurance Rate (%)	0.17	-	-
9. Modernization	10 Yr Avg		
10. Refurbish Labor Hrs/Seat	105	-	-
11. Comp. Mx Program Source	Typical		
12. Weather Service Source	Typical		



## ANNUAL BUDGET

### Falcon 2000

Utilization - Nt. Miles	175,000	-	-
- Hours	413	-	-
Variable Cost	1,143,572	-	-
Fixed Cost	676,133	-	-
<b>Total Cost (No Depreciation)</b>	<b>\$1,819,705</b>	<b>\$-</b>	<b>\$-</b>
- Per Hour	4,406.00	-	-
- Per Nt. Mile	10.40	-	-
- Per Seat Nt. Mile	1.30	-	-
Total Cost (No Depreciation)	1,819,705	-	-
Book Depreciation (13)	1,900,000	-	-
<b>Total Cost (Book Dep)</b>	<b>\$3,719,705</b>	<b>\$-</b>	<b>\$-</b>
- Per Hour	9,007.00	-	-
- Per Nt. Mile	21.26	-	-
- Per Seat Nt. Mile	2.66	-	-
Total Cost (No Depreciation)	1,819,705	-	-
Market Depreciation (14)	760,000	-	-
<b>Total Cost (Market Dep.)</b>	<b>\$2,579,705</b>	<b>\$-</b>	<b>\$-</b>
- Per Hour	6,246.00	-	-
- Per Nt. Mile	14.74	-	-
- Per Seat Nt. Mile	1.84	-	-

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

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

**Date:** 11/17/2009

**Currency:** \$

13. Book Depreciation Rate 10% per yr

14. Market Depreciation Rate 4.00



## GENERAL COMPARISON

### Falcon 2000

Cabin-Height (Ft.)	6.20	-	-
- Width	7.70	-	-
- Length	26.30	-	-
Cabin volume (Cu. Ft.)	1,024.00	-	-
Cabin Door Height (Ft.)	5.60	-	-
- Width	2.60	-	-
Baggage -Int. (Cu.Ft.)	134.00	-	-
- External	-	-	-
Typical Crew/Pass Seating	3/8		
Weight-Max Take-off (Lbs.)	35,800	-	-
- Maximum Landing	33,000	-	-
- Basic Operating	22,750	-	-
- Usable Fuel	12,155	-	-
Payload-Full Fuel (Lbs.)	1,095	-	-
- Maximum	5,910	-	-
Certified/IFR Certified	Yes/Yes		
Price - New (Corporate)/1000	24,600	-	-
- Pre Owned Rng/1000	11,000/19,000		
- Years Produced	1995 - 2007		

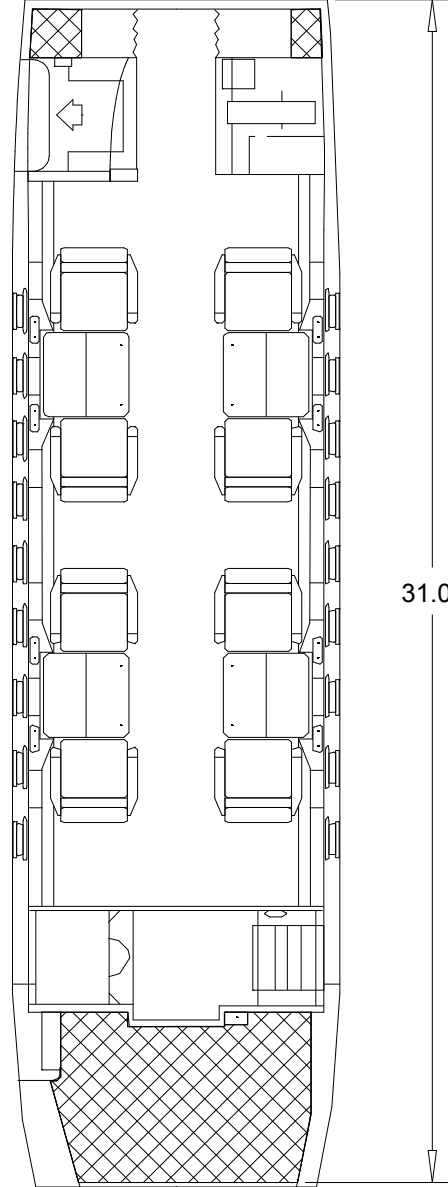
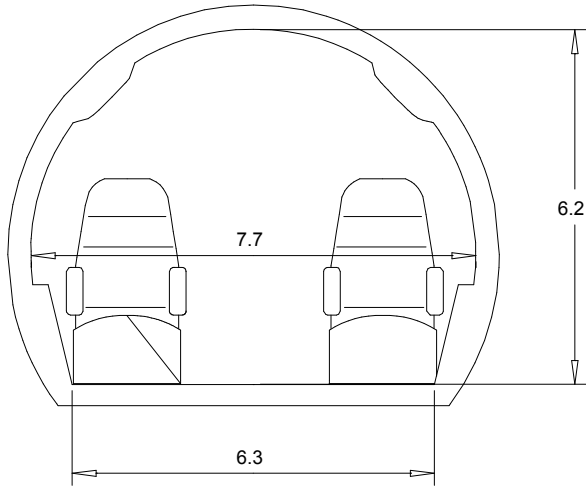
## PERFORMANCE COMPARISON

### Falcon 2000

Range-NBAA IFR Res (N.Mi.)			
Seats Full	2,975	-	-
Ferry Range - (Pilot(s) only, no pax)	3,130	-	-
Range-30 Min. Res (N.Mi.)			
Seats Full	-	-	-
Ferry Range - (Pilot(s) only, no pax)	-	-	-
Balanced Field Length (Ft.)	5,440	-	-
Landing Distance - FAR 121	4,300	-	-
Rate Of Climb (Ft/Min)	3,730	-	-
- One Engine Out	377	-	-
Cruise Speed-Max (KTAS)	475	-	-
- Normal	459	-	-
- Long Range	430	-	-
Stall Speed (IAS)	85	-	-
Ceiling-Service MTOW (Ft.)	44,500	-	-
- Service OEI	27,400	-	-
- Hover IGE (Helicopter Only)	-	-	-
- Hover OGE (Helicopter Only)	-	-	-

# INTERIOR

Scale = 1:40



Falcon 2000

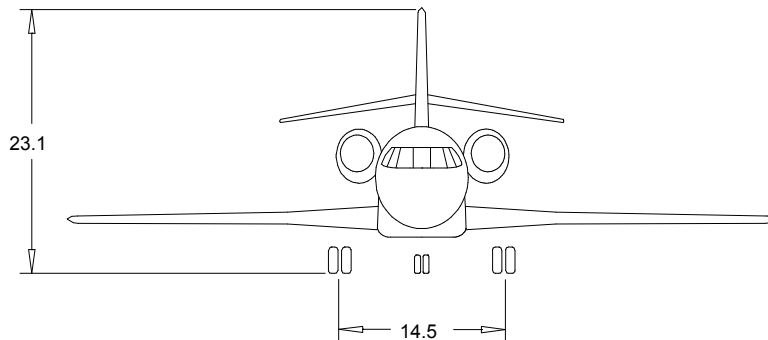
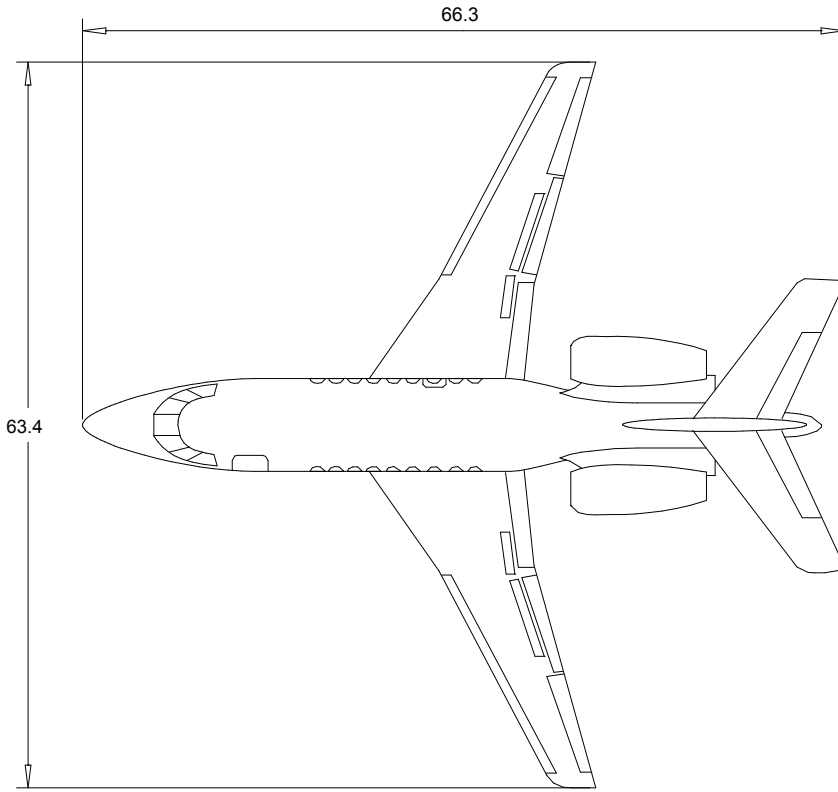
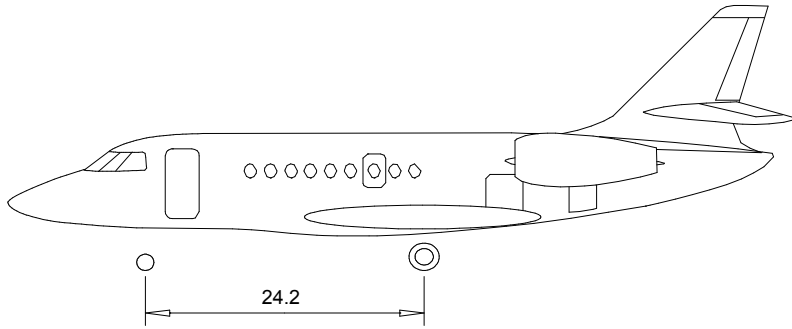
Scale = 1:60

 - Baggage

All dimensions are measured in Feet unless otherwise specified.

# EXTERIOR

Scale = 1:200



All dimensions are measured in Feet unless otherwise specified.

Falcon 2000

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