



FACTS & FIGURES

Falcon 8X

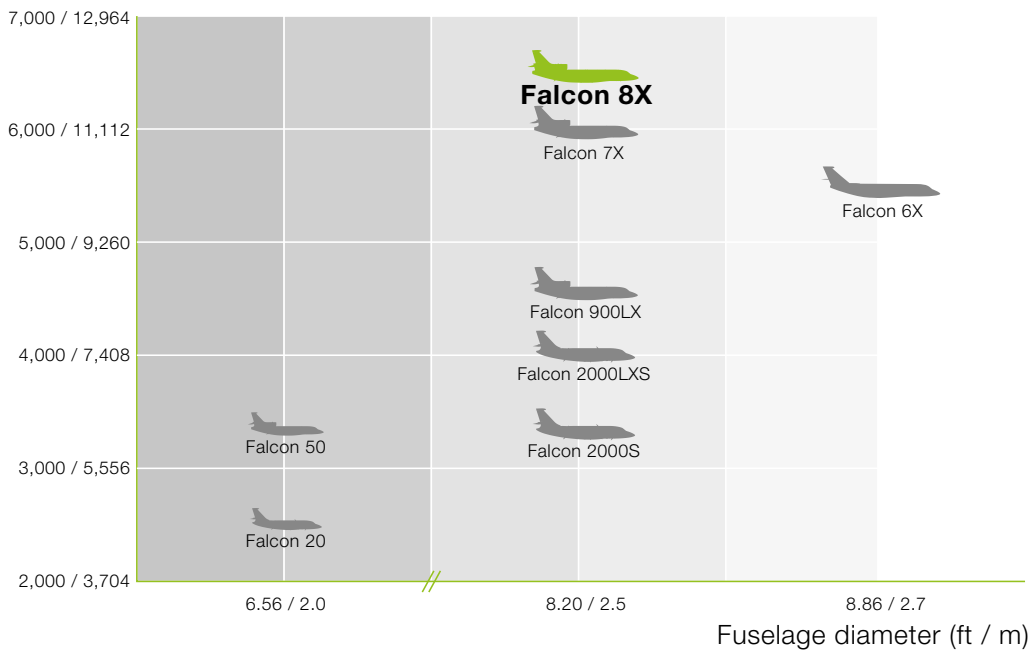
AIRCRAFT OVERVIEW

The trijet Dassault Falcon 8X is designed to fly 6,450 nm (11,945 km) range and reach a maximum operating speed of Mach 0.90. Flagship of the Falcon fleet, the Falcon 8X offers the most customizable cabin in the industry while retaining Dassault's core values of exceptional mission flexibility and efficiency.



FALCON FAMILY

Range (nm / km)



EXTERNAL DIMENSIONS

– Wing area	761 ft ² / 70.7 m ²
– Wing span	86.3 ft / 26.3 m
– Length	80.2 ft / 24.5 m
– Height	26.1 ft / 7.94 m



THREE-VIEW DRAWING



WEIGHTS

– Maximum ramp	73,200 lb / 33,204 kg
– Maximum takeoff	73,000 lb / 33,113 kg
– Maximum zero fuel	41,000 lb / 18,598 kg
– Maximum landing	62,400 lb / 28,304 kg
– Maximum payload*	4,900 lb / 2,223 kg
– Maximum usable fuel	35,141 lb / 15,940 kg

*Standard aircraft



PERFORMANCE SUMMARY

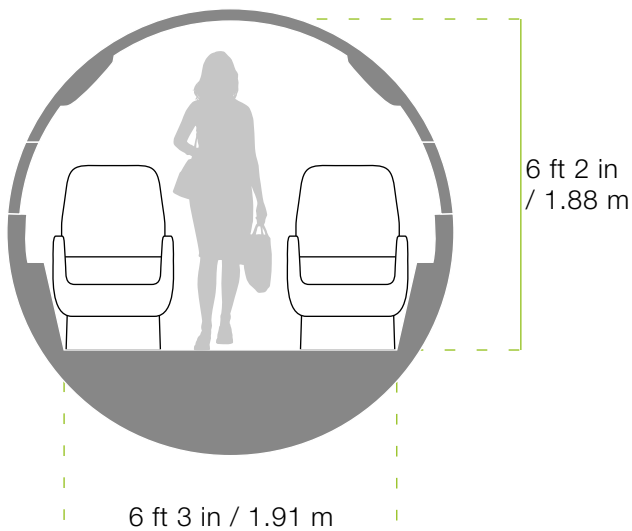
– Balanced field length	5,880 ft / 1,792 m
<i>Maximum Takeoff Weight, Sea Level, Standard Conditions</i>	
– Landing distance	2,220 ft / 677 m
<i>FAR 135, SL, Typical Landing Weight (unfactored)</i>	
– Landing reference speed	107 kias / 198 km/h
<i>Vref, Typical Landing Weight</i>	
– Maximum range	6,450 nm / 11,945 km
<i>8 PAX, 3 Crew, Mach 0.80, NBAA IFR Reserves</i>	
– Maximum operating altitude	51,000 ft / 15,545 m
– Maximum operating speed (VMO)	370 kias / 685 km/h
– Maximum operating Mach (MMO)	Mach 0.90



TAILORED CABIN

Customization is the key element of the Falcon 8X, where adding a convertible crew rest area and/or a spa-like shower is one of many available options. With a whisper-quiet sound level, the Falcon 8X cabin features the Falcon trademarks of unmatched passenger comfort, cabin brightness and the latest high-speed connectivity.

CABIN CROSS SECTION



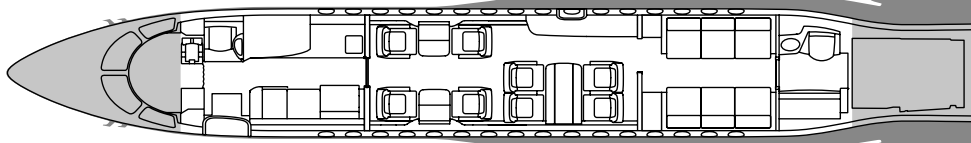
Unfinished dimensions

CABIN DIMENSIONS

- Typical configuration 14 passenger seats
- Cabin length* 42 ft 8 in / 13.0 m
- Cabin volume* 1,695 ft³ / 48.0 m³
- Baggage volume 140 ft³ / 4.0 m³
- Total window area 36.6 ft² / 3.4 m²

Up to 32 large windows (depending upon configuration)

** excl. flight deck and baggage*



Typical 14-passenger configuration

HIGH LEVEL OF CUSTOMIZATION

With the longest cabin in the Falcon family, the Falcon 8X offers numerous configurations and provides more comfort with a convertible crew rest and a unique full size 93-inch galley



The quietest cabin in the market



Seamless in-flight connectivity

CABIN AMENITIES

ENVIRONMENT CONTROL: Seamless and intuitive control of the cabin environment via individual commands or provided Ipad fitted with personal Falcon apps (lighting, temperature, cabin sound system, windows shades). Apps are also available for personal iOs or Android devices.

ENTERTAINMENT: Full High Definition multimedia server, connected to the on-board WiFi network, allowing audio and video distribution on cabin monitors or personal devices. Personal contents or STAGE catalog (movies, TV-shows, music, news, games...) can be streamed. Also features an Interactive airshow with 3D moving map.

CONNECTIVITY WITH FALCONCONNECT: Worldwide seamless internet access with the latest connectivity solutions (Iridium, Ka-band system or ATG Avance L5). FalconConnect also provides VOIP, VPN, visio, connectivity status services... and more. A full range of subscription packages is available.

Some of the listed features are optional



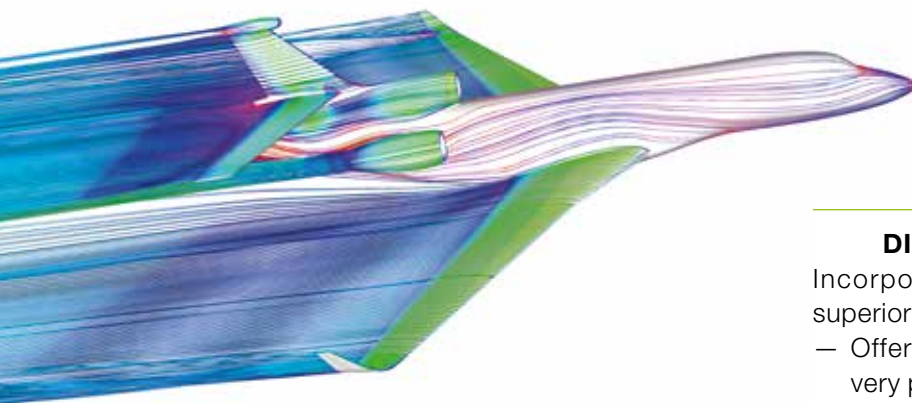
CUTTING-EDGE TECHNOLOGY

The Falcon 8X is built on advanced and reliable technologies, including a new optimized wing, upgraded engines, EASy III avionics and the next generation of Dassault's proven Digital Flight Control System. These industry-leading patented technologies set new standards for aircraft in the Ultra Long Range segment. Innovative design and technology mean the most efficient aircraft with the lowest operating costs and the highest resale value.

NEW WING OPTIMIZATION

High cruise efficiency and unmatched low-speed performance and safety:

- New lighter structural design
 - New winglets
 - Six full-span leading-edge slats
 - Four double-slotted flaps
 - Six airbrakes
-



DIGITAL FLIGHT CONTROL SYSTEM

Incorporating Dassault's fighter jet heritage for superior passenger comfort and safety:

- Offers homogeneous flight characteristics and very precise handling
 - Enhances comfort (turbulence damping)
 - Reduces workload (autotrim)
 - Enhances safety (flight envelope protection)
 - Improves fuel efficiency
-

THE FALCON EASY FLIGHT DECK

Developed by Dassault and driven by its experience in military programs, the Enhanced Avionics System flight deck is highly intuitive and interactive, improving situational awareness, reducing crew workload and enhancing safety.



THE SIDESTICK CONTROLLER

- Replaces the traditional floor-mounted central control columns
 - Provides more useful space in front of pilots
 - Requires minimal pilot input for maximum flight precision
-

AVIONICS – EASY III ADVANCED FEATURES

EASy is the most efficient flight deck offering all the latest navigation and communication capabilities (SBAS / LPV approaches, Synthetic Vision, ADSB-out, datalink functions ATN B1 and FANS 1/A+, electronic charts...).

The Falcon 8X's improved flight deck includes the third generation EASy III which offers new features such as:

- 3D automatic weather radar
 - FMS new generation
 - Graphical FANS
 - Autothrottle with one engine inoperative
-



FALCONEYE SYSTEM

- Unique combination of Enhanced Vision System & Synthetic Vision System
 - New camera with multispectral fusion (6 sensors) for maximum weather penetration, situational awareness and LEDs detection
 - New Head Up Display with adaptative symbology
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Some of the listed features are optional

THREE-ENGINE CONFIGURATION

Updated engines provide higher thrust and lower fuel consumption:

- | | |
|------------------------|-------------------------------------|
| — Manufacturer | Pratt & Whitney Canada |
| — Number / type | 3 × enhanced PW307D |
| — Maximum thrust | 6,722 lb / 29.9 kN (Sea Level, ISA) |
| — Flat rated up to | 32°C (Sea Level) |
| — Warranty | 5 yr / 3,000 h |
| — MPI / CZI (maturity) | 3,600 h / 7,200 h |
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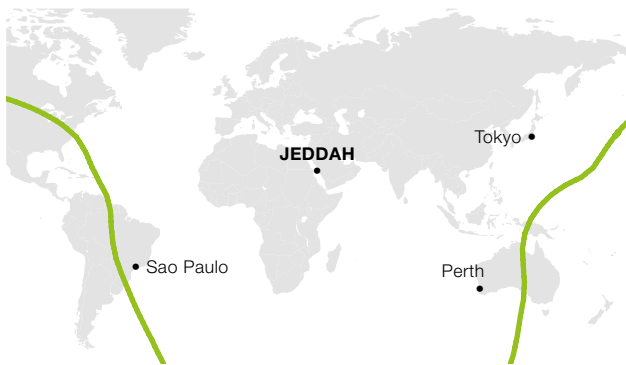


OUTSTANDING PERFORMANCE

Its clean aerodynamics and the optimization of its structure gives the Falcon 8X unrivalled performance. Our new flagship aircraft can efficiently handle any mission. Whether long, short, or from the most challenging airports, the Falcon 8X is in a class by itself.

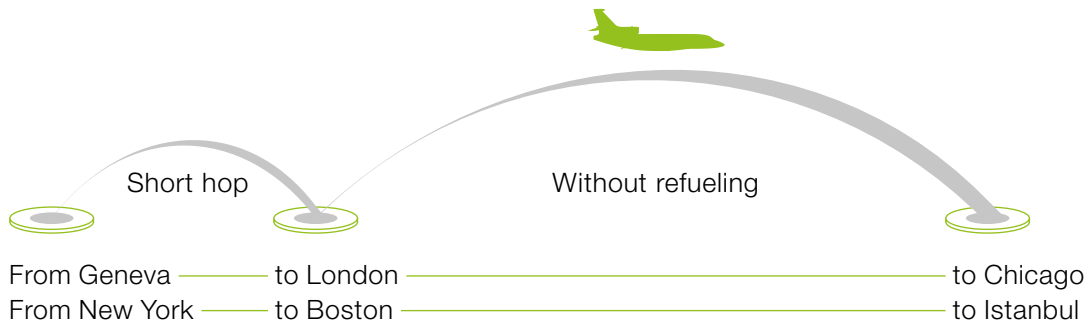


MAXIMUM RANGE



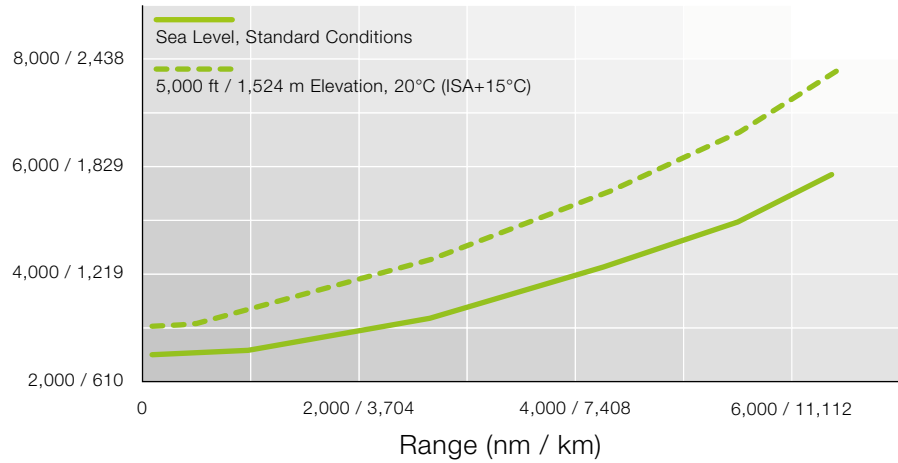
Standard Aircraft, 8 PAX, 3 Crew, ISA, Mach 0.80, 85% Boeing Annual Wind Reliability, NBAA IFR Reserves
Actual performance may be affected by final aircraft configuration (outfitting options, operating items) and by ATC routing and weather conditions.

FLEXIBILITY



BALANCED FIELD LENGTH

Balanced Field Length (ft / m)



Standard Aircraft, 8 PAX, 3 Crew, Mach 0.80, NBAA IFR Reserves

FALCON ACCESS TO WORLDWIDE CHALLENGING AIRPORTS*

SAMPLE CITIES	FIELD ELEVATION	RUNWAY LENGTH
— Cannes Mandelieu (LFMD)	14 ft	5,285 ft
— London City (EGLC)	19 ft	3,934 ft
— La Môle (LFTZ)	59 ft	3,871 ft
— Lugano (LSZA)	915 ft	4,429 ft
— Saanen (LSGK)	3,307 ft	4,593 ft
— St. Moritz (LSZS)	5,600 ft	5,906 ft
— Aspen (KASE)	7,820 ft	8,006 ft
— Toluca (MMTO)	8,466 ft	13,780 ft
— Lhasa (ZULS)	11,731 ft	13,123 ft
— La Paz (SLLP)	13,313 ft	13,124 ft
— Daocheng Yading (ZUDC)	14,472 ft	13,780 ft

* Depending on aircraft models and subject to final approval



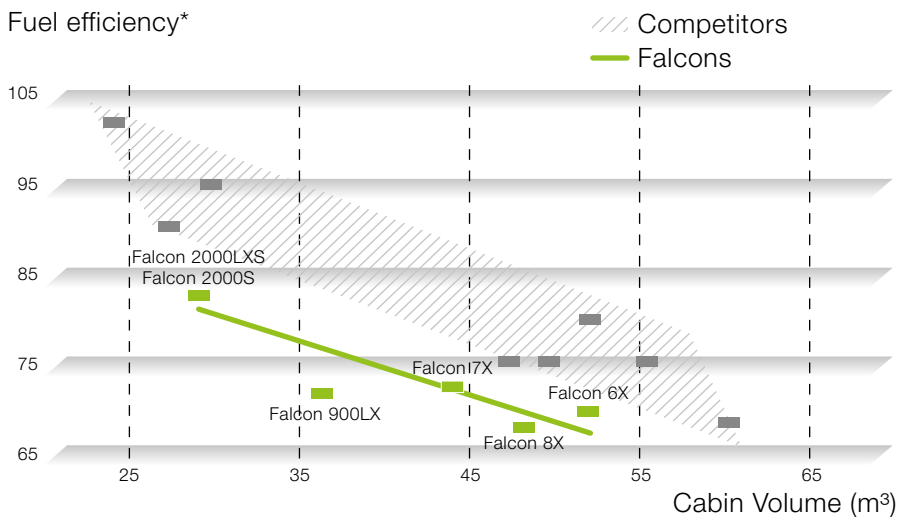
ECO-EFFICIENT AIRCRAFT

The optimized design of the Falcon 8X offers superior performance and agility with better fuel efficiency than all competitors in its class. Falcon operators will never have to compromise between performance and economy or business objectives and environmental responsibility.



ENVIRONMENTALLY FRIENDLY

Falcon 8X is up to 35% greener than its competitors



Whatever the competition, Falcons are more eco-friendly

Dassault calculations based on Conklin & de Decker assumptions

**Fuel burn vs Cabin volume (lb/m³)*

DASSAULT MANUFACTURING PROCESSES

In ten years, reduction by:

- 30% of CO₂ emissions
- 50% water consumption
- 57% of volatile organic compounds (VOC)
- 90% of waste reused for non-hazardous waste

SUPERIOR CUSTOMER SERVICE

Owning and flying a Falcon entitles you to the highest levels of safety, reliability, performance and efficiency. Throughout the life of your Falcon, our service professionals will bring you the unrivaled skill, experience and dedication to guarantee your satisfaction and live up to your promise:

WHATEVER IT TAKES™.



A STRONG WORLDWIDE FALCON SUPPORT NETWORK

Over 2,100 Falcon aircraft in service are flown by more than 1,200 operators in 90 countries. Falcon owners are supported by:

- 15 company-owned facilities
- 35 Dassault Authorized Service Centers
- New Dassault MRO Entities: Execujet MRO Services (Asia-Pacific region, Oceania, the Middle East and Africa) and TAG Maintenance Services (Europe)

FALCON SPARES

Committed to provide parts reliability, parts availability and competitive pricing with:

- 16 worldwide Spares Distribution Centers
- Over \$870M of inventory
- 80,000 parts available



FALCON RESPONSE

A comprehensive portfolio of global Aircraft on Ground (AOG) support services providing state-of-the-art parts, tools and engineering resources to get a grounded Falcon back into operation as quickly as possible:

- A 24/7 Falcon Command Center
- Over 100 GoTeam technicians
- 2 Falcon 900s dedicated to AOG support – spare parts delivery or alternate lift to passengers



DASSAULT AVIATION

78, quai Marcel Dassault, Cedex 300
92 552 Saint-Cloud Cedex, France
Phone: 33 (0)1 47 11 88 68
Fax: 33 (0)1 47 11 89 17

DASSAULT FALCON JET

Teterboro Airport, Box 2000
South Hackensack, NJ 07606, USA
Phone: (1) 201 440 6700
Fax: (1) 201 541 4469

www.dassaultfalcon.com
