



# FALCON 7X

## Performance

Range <i>(eight passengers, three crew, NBAA IFR reserves, .80 Mach)</i>	5,950 nm
Maximum operating speed, Mmo	Mach .90
Vmo	370 KIAS
Long Range Cruise	Mach .80
Typical Cruise Speed	Mach .85
Maximum Certified Altitude	51,000 ft
Balanced Field Length <i>(full fuel, eight passengers, three crew, sea level, ISA)</i>	5,505 ft
Landing Distance, Typical <i>(eight passengers, three crew, NBAA IFR reserves, sea level, FAR 91)</i>	2,262 ft
Landing Distance, Maximum Landing Weight <i>(sea level, FAR 91)</i>	3,925 ft
Approach speed, Vref <i>(eight passengers, three crew, NBAA IFR reserves)</i>	104 KIAS
Takeoff Speed, V2 <i>(maximum takeoff weight)</i>	134 kt

## Weights/Capacities

Maximum ramp weight	69,200 lb	31,389 kg
Maximum takeoff weight	69,000 lb	31,298 kg
Maximum landing weight	62,400 lb	28,305 kg
Maximum zero fuel weight	41,000 lb	18,598 kg
Basic operating weight	34,272 lb	15,546 kg
Maximum fuel weight (6.7 lb/USG)	31,940 lb	14,488 kg
Maximum payload	6,728 lb	3,052 kg
Payload with maximum fuel	2,988 lb	1,354 kg

## Engines

Three Pratt & Whitney Canada PW307A engine	6,402 lb ea. ISA + 17° C SLS
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## Dimensions

Exterior		
Height	25 ft 7 in	7.80 m
Length	76 ft 1 in	23.19 m
Wing span	86 ft	26.21 m
Wing area	761 sq ft	70.7 m <sup>2</sup>
Aspect ratio	9.72	
Cabin		
Height	6 ft 2 in	1.88 m
Width	7 ft 8 in	2.34 m
Width at floor level	6 ft 3 in	1.91 m
Length	39 ft 1 in	11.91 m

*All performance data is preliminary and based on standard aircraft weights*

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