

# Lear 40

## Specifications and Performance

### Specifications

#### Design Weights

Max. Ramp Weight	21250 lb
Max. Takeoff Weight	21000 lb
Fuel Capacity	5375 lb
Basic Empty Weight	13678 lb
Max. Payload	6962 lb
Max. Payload w/Full Fuel	1837 lb
Useful Load	7322 lb

#### External Dimensions

Length	56'3"
Height	14'6"
Span	47'10"

#### Cabin

Length	19'8"
Height	4'11"
Width	5'1"
Seating (Crew + Pax)	2+6
Passenger Cabin (including lav)	363 cu ft
Total Volume (including baggage)	413 cu ft
Main Entrance Door Height	4'5"
Main Entrance Door Width	2'6"

#### Baggage Capacity

Internal Lav/Baggage Area	15cu ft
External Tailcone	50cu ft
 Total Capacity	 65cu ft

### Performance

#### Takeoff Field Length

Max to Wt, SL, ISA	4990 ft
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#### Landing Distance

Max Landing Wt, SL, ISA	2840 ft
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#### Certified Service Ceiling

51000 ft

#### Cruise Performance -- High-Speed

Speed	450 kts
Fuel Flow	1200 lb/hr
Altitude	41000 ft

#### Cruise Performance -- Long-Range

Speed	430 kts
Fuel Flow	1000 lb/hr
Altitude	45000 ft

#### Mission Performance (4 passengers)

##### 300 nm mission

Flight Time	52min
Trip Fuel	1600 lb
Flight Level	31000 ft

##### 600 nm mission

Flight Time	1h45min
Trip Fuel	2500 lb
Flight Level	41000 ft

##### 1,000 nm mission

Flight time	2h20min
Trip Fuel	2900 lb
Flight Level	41000 ft

