

## Spectrum Independence S-33

Manufacturer: Spectrum Aeronautical  
Aircraft: Spectrum Independence S-33

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First Flight: Jan. 2006

Location: Cardiff by the Sea, California

Certification: 2009

Construction: Composite

MTOW: 7300 lb

Power: 2 Williams FJ-33-4

BOW: 3900 lb

Avionics: TBD

Ceiling FL: 450

RVSM: unreported

Seats: 8-10 max

Max Fuel: 2770 lb

Takeoff Distance: unreported

Landing Distance: unreported

Range (NBAA IFR): 2000 nm

Max Cruise Speed: 415 ktas General Price (2006 \$US) \$3.65 million Seating (Crew + Pax) 1 + 6/8 Engines 2 x Williams International FJ33-4A-19 Time Between Overhaul 3500 Hrs Thrust 1750 lbt / 7784N each (3500 lbt / 15569N Total)

Dimensions (US Units | Metric)

Wingspan 43.3 ft | 13.20 m External Length 45.9 ft | 13.99 m External Height 11.7 ft | 3.57 m Max Cabin Width 5.0 ft | 1.52 m Max Cabin Height 5.0 ft | 1.52 m Cabin Length (cabin divider to aft PB) 13.0 ft | 3.96 m Overall Internal Length (PB to PB) 18.0 ft | 5.49 m External Baggage 70.0 ft<sup>3</sup> | 1.98 m<sup>3</sup> Weights (US Units | Metric)

Maximum Ramp Weight 7535 lbs | 3418 kg Max Gross Takeoff Weight 7500 lbs | 3402 kg Max Landing Weight 6818 lbs | 3093 kg Empty Weight 3850 lbs | 1746 kg Basic Operating Wt (w 1-pilot: 200lb) 4050 lbs | 1837 kg Useful Load (Max Ramp - EW) 3685 lbs | 1672 kg Maximum Fuel Capacity 2730 lbs | 1238 kg Payload with Max Fuel (Based on EW) 955 lbs | 433 kg Fuel with Max Payload 1385 lbs | 628 kg Maximum Zero Fuel Weight 6150 lbs | 2790 kg

Maximum Payload (Based on EW - includes pilot) 2300 lbs | 1043 kg Performance (US Units | Metric)

Maximum Cruise 433 kts | 802 kph Maximum Cruise (Mach) 0.75 Mach | 0.75 Mach Maximum Altitude 45000 ft | 13716 m Stall Speed (Clean) 90 ktas | 167 kph Stall Speed (Flaps) 76 ktas | 141 kph Max Range (IFR, 100nm Alternate) 2050 nm | 3800 km Max Range, 1+4 (IFR, 100nm Alternate) 1840 nm | 3410 km Initial Climb, MTOW (all engines) 6100 fpm | 1859 mpm Time to FL450 (MTOW) 17 min | 17 min Engine Out Ceiling > 35000 ft | > 10668 m Take Off Distance < 3000 ft | < 914 m Landing Distance < 2500 ft | < 762 m SPECIFICATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE PENDING CERTIFICATION THIS INFORMATION IS PROPRIETARY TO SPECTRUM AERONAUTICAL LLC.