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## Eclipse 500<sup>TM</sup> Specifications and Performance Summary



### Standard Equipment

- IFR equipped
- 3 Large EFIS displays for PFDs and MFD
- Dual Flight management systems
- 3-axis autopilot
- Color weather radar
- Dual VHF com
- Dual VHF nav
- Dual localizer and glide slope
- Dual mode S transponder
- Dual GPS, IFR enroute and approach certified
- Dual AHRS
- Dual air data computers
- Dual pitot static system
- Dual-zone air conditioning
- Autothrottle
- RVSM group certified
- Certified for known icing
- Standard interior with five seats
- Standard paint scheme

### Exterior Dimensions (ft)

Length 33.7  
Wing Span 37.9  
Height 11.0

### Interior Dimensions (in)

Length 148  
Height - max 50  
Width - max 56

**Certification Base** - FAR Part 23 Certified for single-pilot operation

**Construction** Aluminum

**Engines (2)** PW610F

Manufacturer Pratt & Whitney Canada

Thrust at sea level, ISA + 15°C (86°F) (lbf each) 900

### Accommodations

Seats 5 standard, 6 max

### Pressurization

Sea Level Cabin to (ft) 21,500

Cabin Altitude at 41,000 ft (ft) 8,000

### Weight Summary (lb) (preliminary)

Maximum Ramp 5,950

Maximum Takeoff 5,920

Maximum Landing 5,520

Empty Weight 3,550

Useful Load (lb) 2,400 Fuel Capacity 1,686 Maximum Zero Fuel Gross Weight 4,876

### Performance Summary (preliminary)

Max Cruise Speed (kt) 370

NBAA IFR Range, 4 occupants (nm) 1,125

45 min IFR Range, 4 occupants (nm) 1,300

Takeoff Distance -sea level, ISA to 50 ft @ MGTOW(ft) 2,297

Takeoff at 5,000 ft at 68°F (ft) 3,539 Landing Distance - sea level, ISA @ 4,600 lb (ft) 2,155

Rate of Climb on 2 engines (ft/min)<sup>1</sup> 3,314

Rate of Climb on 1 engine (ft/min)<sup>2</sup> 910

Single Engine Takeoff Climb at 5,000 ft at 68°F(ft/min)<sup>3</sup> 669 Time to climb to 35,000 ft (min) 19

Single engine service ceiling (ft) 25,000 Max Altitude (ft) 41,000

Stall Speed (kt) 69 Vmo/Mmo (kt/Mn) 285 / 0.64

<sup>1</sup> SL, ISA, Flaps Up, Gear Up, Max T/O Thrust

<sup>2</sup> SL, ISA, Flaps Up, Gear Up, APR

<sup>3</sup> Flaps Up, Gear Up, APR