

# A Comparison of Williams Powered Citations on the Market

Cost	CJ1	CJ2	FJ44 Eagle II
<b>Sales Price</b>	US\$3,716,000 This price was published on the official Cessna web site claiming that this price represents an aircraft with a "typically selected complement of options".	US\$4,529,000 This price was published on the official Cessna web site claiming that this price represents an aircraft with a "typically selected complement of options".	<b>US\$3,300,000</b> Low airframe time used Citation: \$1,550,000 plus \$1,750,000 for modification. Price reduction based on time remaining on the JT15D-1A engines removed from the aircraft.
<b>Operating Cost</b>	\$1.79 per Statute Mile	\$1.89 per Statute Mile	\$1.67 per Statute Mile
<b>Specifications &amp; Weights</b>	<b>CJ1</b>	<b>CJ2</b>	<b>FJ44 Eagle II</b>
<b>Maximum Cruise Speed</b>	380 KTAS (704 km/hr) @ 35,000 ft (10,668 m)	410 KTAS (759 km/hr) @ 33,000 ft (10,058 m)	<b>411 KTAS (760 km/hr)</b> @ 31,000 ft (9,449 m)
<b>Ceiling</b>	41,000 ft (12,497 m) maximum certified	45,000 ft (13,716 m) maximum certified	43,000 ft (13,106 m) maximum certified
<b>Airspeed Limits</b>	Vmo @ SL to 30,500 ft (9,296 m) 263 KIAS (487 km/hr) Mmo 0.71 (Indicated Mach)	Vmo @ SL to 29,300 ft (8,931 m) 275 KCAS (509 km/hr) Mmo above 29,300 ft (8,931 m) 0.72 (Indicated Mach)	Vmo @ SL to 30,400 ft (9,153 m) 259 KCAS (482 km/hr) Mmo @ 30,400 ft to 43,000 ft 0.705 mach
<b>Climb Performance</b>	Single engine 850 fpm (259 mpm)	Single engine 1,123 fpm (342 mpm)	Single engine 1,200 fpm (366 mpm)
<b>Stall Speed</b>	82 KCAS (152 km/hr) in landing configuration at 9,800 lbs (4,445 kg)	91 KCAS (169 km/hr) in landing configuration at 12,300 lbs (5,579 kg)	82 KCAS (152 km/hr) in landing configuration at 9,800 lbs (4,445 kg)
<b>Pressurization</b>	Nominal pressure differential is 8.5 psi	Nominal pressure differential is 9.9 psi	Nominal pressure differential is 8.5 psi
<b>Range</b>	1,475 NM (2,732 km) with a 45-minute reserve	1,724 NM (3,192 km) with three passengers and crew of one with a 45-minute hold	<b>2,100 NM (3,889 km)</b> with a 45 min reserve, 1,250 lb payload, 4,509 lb usable fuel, 10 min for taxi & takeoff
<b>Engines</b>	2 Williams-Rolls FJ44-1A Takeoff thrust 1,900 lbs ea. (8.45 kN)	2 Williams-Rolls FJ44-2C Takeoff thrust 2,400 lbs ea. (10.65 kN)	2 Williams-Rolls FJ44-2A Takeoff thrust 2,300 lbs ea. (10.12 kN)
<b>Outside dimensions</b>	Wingspan 46.8 ft (14.26m) Overall height 13.8 ft (4.20m) Overall length 42.6ft (12.98m)	Wingspan 49.5 ft (15.09m) Overall height 13.9 ft (4.24m) Overall length 47.7ft (14.54m)	Wingspan 47.1 ft (14.35 m) Overall height 14.4 ft (4.37m) Overall length 43.6ft ( 13.3m)
<b>Cabin Dimensions (with typical interior installed)</b>	Height 4' 8" (1.45 m) Width 4' 8" (1.45 m) Length (forward pressure bulkhead to aft pressure bulkhead) 15' 8" (4.80 m)	Height 4.8 ft (1.45 m) Width 4.9 ft (1.49 m) Length (forward pressure bulkhead to aft pressure bulkhead) 18.9 ft (5.76 m)	Height 4' 4" (1.32 m) Width 4'11" (1.50 m) Length (forward pressure bulkhead to aft pressure bulkhead) 17'6" (1.50 m)
<b>Baggage Capacity</b>	59.0 cu ft (1.67 cu m) 825 lbs (374 kg)	74.4 cu ft (2.11 cu m) 1,100 lbs (499 kg)	61.0 cu ft (1.70 cu m) 1,000 lbs (433 kg)
<b>Runway Length (sea level, ISA)</b>	Takeoff 3,280 ft (1,000 m) at 10,600 lbs (4,808 kg) Landing 2,780 ft (847 m) at 9,800 lbs (4,445 kg)	Takeoff 2,800 ft (853 m) at 11,000 lbs (4988 kg) Landing 2,720 ft (828 m) at 10,000 lbs (4535 kg)	Takeoff 2,750 ft (838 m) at 11,000 lbs ( 4988 kg) Landing 2,600 ft ( 791 m) at 10,000 lbs ( 4535 kg)
<b>Design Weights &amp; Fuel Capacity</b>	<b>CJ1</b>	<b>CJ2</b>	<b>FJ44 Eagle II</b>
<b>Maximum ramp weight</b>	10,700 lbs (4,853 kg)	12,500 lbs (5,670 kg)	12,650 lbs (5,738 kg)
<b>Maximum takeoff weight</b>	10,600 lbs (4,808 kg)	12,375 lbs (5,613 kg)	12,500 lbs (5,670 kg)
<b>Maximum landing weight</b>	9,800 lbs (4,445 kg)	11,500 lbs (5,216 kg)	11,850 lbs (5,375 kg)
<b>Maximum zero fuel weight</b>	8,400 lbs (3,810 kg)	9,300 lbs (4,218 kg)	9,500 lbs (4,309 kg)
<b>Max. fuel capacity (usable) @ 6.7 lbs/gal</b>	3,220 lbs (1,461 kg)	4,000 lbs (1,814 kg)	4,510 lbs (2,046 kg)
<b>Approximate equipped empty weight</b>	6,605 lbs (2,996 kg)	7,625 lbs (3,459 kg)	7,100 lbs (3,266 kg)
<b>One crew and furnishings</b>	200 lbs (91 kg)	200 lbs (91 kg)	200 lbs (91 kg)
<b>Total operating weight</b>	6,805 lbs (3,087 kg)	7,825 lbs (3,550 kg)	7,300 lbs (3,357 kg)
<b>Useful payload and fuel at ramp</b>	3,895 lbs (1,766 kg)	4,600 lbs (2,087 kg)	5,250 lbs (2,381 kg)
<b>Payload with full fuel</b>	675 lbs (306 kg)	800 lbs (363 kg)	840 lbs (336 kg)
<b>Maximum payload</b>	1,595 lbs (723 kg)	1,475 lbs (669 kg)	2,200 lbs (956 kg)

Data on the CJ1 and CJ2 were taken from official Cessna – Citation Marketing publications. FJ44 Eagle II data is based on a combination of actual flight data, engineering estimates, and maintenance records for a standard equipped Citation 501 FJ44 Eagle II. Figures for all aircraft presented are averages and can vary depending on maintenance and operating practices. Cost figures are shown in current dollars and do not reflect the impact of inflation.