

Specifications & Descriptions / Performance

The CJ3 is a remarkable combination of power, speed and flexibility. Fuel-efficient Williams FJ44-3A engines, rated at 2,780 pounds of thrust each, deliver speeds of up to 417 kts (479 mph) and direct climbs to 45,000 feet in just over 27 minutes.

▶ Takeoff Performance

METRIC

(15° Flaps) Required Field Length per FAR 25			
TAKEOFF DISTANCE (m)			
WEIGHT (kg)	SEA LEVEL 15°C	1,524 m 5°C	1,524 m 25°C
6,291	969	1,161	1,448
6,078	912	1,091	1,332
5,670	835	966	1,165
5,216	793	881	1,003

Note: Takeoff and landing field lengths are based on dry, level, hard surface runways with no wind.

▶ Landing Performance

METRIC

TOP

Sea Level, Standard Day	Distance From 15.2 m Above the Runway
WEIGHT (kg)	DISTANCE (m)
5,783	844

▶ Climb Performance

METRIC

TOP

Time (min)	TAKEOFF WEIGHT (kg)		
Altitude (m)	4,990	5,444	6,292
7,620	6	7	8
10,058	9	10	12
11,278	11	12	15
12,497	14	15	19
13,716	17	20	27

Distance (km)	TAKEOFF WEIGHT (kg)		
Altitude (m)	4,990	5,444	6,292
7,620	52	56	67
10,058	82	91	107
11,278	100	111	135
12,497	124	141	176
13,716	163	187	257

Fuel (kg)	TAKEOFF WEIGHT (kg)		
Altitude (m)	4,990	5,444	6,292
7,620	98	108	128
10,558	130	143	171
11,278	145	161	193
12,497	162	181	221
13,716	184	209	268



Cruise Performance*

METRIC TOP

WEIGHT (kg)	4,990	5,444	6,292
Altitude (m)	Speed (KTAS)/fuel flow (kg/hr)		
10,058	417/1,289	416/1,287	413/1,285
11,278	413/1,089	413/1,103	408/1,096
12,497	407/901	404/898	395/893
13,106	400/808	396/807	385/804
13,716	391/722	384/718	

*Maximum cruise thrust.

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