

Citation Sovereign

Specifications & Descriptions / Performance

Powered by new-generation Pratt & Whitney PW306C engines, the new Citation Sovereign briskly leaps off runways that other midsize jets can't even go near. So you're free to use many smaller, less-crowded airports that are often close to your actual destination.

Takeoff Performance ENGLISH

(15° Flaps) Required Field Length per FAR 25

WEIGHT (lbs)	TAKEOFF DISTANCE (ft)		
	SEA LEVEL 59°F	5000 ft 50°F	5000 ft 77°F
30,000	3,694	4,320	---
29,000	3,487	4,079	---
28,000	3,409	3,993	5,036
27,000	3,355	3,927	4,669
26,000	3,302	3,863	4,322
25,000	3,250	3,800	3,990
24,000	3,200	3,738	3,692

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

Landing Performance ENGLISH TOP

Sea Level, Standard Day Distance Over 50 ft Obstacle 35° Flaps

WEIGHT (lbs)	DISTANCE (ft)
27,100	3,144
26,500	3,090
26,000	3,046
25,000	2,948
24,000	2,856

Climb Performance* ENGLISH TOP

Time (min)	TAKEOFF WEIGHT (lbs)		
	30,000	26,000	20,000
Altitude (ft)			
25,000	7	6	5
35,000	12	10	8
39,000	16	13	9
41,000	19	15	10
43,000	26	18	12
45,000	---	24	14

Distance (nm)	TAKEOFF WEIGHT (lbs)		
	30,000	26,000	20,000
Altitude (ft)			
25,000	37	34	31
35,000	67	61	56
39,000	89	79	71
41,000	108	95	84
43,000	150	120	102
45,000	---	---	140

Fuel (lbs)	TAKEOFF WEIGHT (lbs)		
	30,000	26,000	20,000
Altitude (ft)			
25,000	485	448	412
35,000	702	645	590
39,000	826	737	671
41,000	910	818	737
43,000	1,098	931	809
45,000	---	---	963

*Step Climb

Cruise Performance ENGLISH TOP

WEIGHT (lbs)	29,000	25,000	21,000
Altitude (ft)	Speed (KTAS)/fuel flow (lbs/hr)		
35,000	442/2,105	445/2,111	449/2,119
37,000	437/1,918	441/1,924	445/1,932
39,000	425/1,695	436/1,713	440/1,719
41,000	413/1,543	428/1,564	438/1,578
43,000	387/1,369	416/1,409	432/1,431
45,000	---/---	399/1,268	423/1,298



