

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

METRIC

(15° Flaps) Required Field Length per FAR 25			
TAKEOFF DISTANCE (m)			
WEIGHT (kg)	SEA LEVEL 15°C	1,524 m 10°C	1,524 m 25°C
13,608	1,091	1,265	1,481
13,154	1,036	1,201	1,387
12,301	1,000	1,152	1,311
12,247	991	1,140	1,237
11,793	985	1,131	1,167
11,340	978	1,122	1,100
10,886	974	1,116	1,076

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

Landing Performance

METRIC

TOP

Sea Level, Standard Day		Distance Over 15.2 m Obstacle
WEIGHT (kg)	DISTANCE (m)	
12,292	808	
12,020	797	
11,793	786	
11,340	765	
10,886	744	

Climb Performance*

METRIC

TOP

Time (min)	TAKEOFF WEIGHT (kg)		
Altitude (m)	13,608	11,793	9,072
7,620	7	6	4
10,668	12	10	7
11,887	16	12	9
12,497	18	14	10
13,106	23	17	11
13,716	---	22	13

Distance (km)	TAKEOFF WEIGHT (kg)		
Altitude (m)	13,608	11,793	9,072
7,620	67	57	41
10,668	130	106	76
11,887	167	139	93
12,497	196	157	106
13,106	246	185	120
13,716	---	241	139

Fuel (kg)	TAKEOFF WEIGHT (kg)		
	Altitude (m)	13,608	11,793
7,620	216	197	136
10,668	323	292	195
11,887	375	334	220
12,497	410	363	233
13,106	460	375	248
13,716	---	424	266

*Step Climb



Cruise Performance

METRIC TOP

WEIGHT (kg)	13,154	11,340	9,525
Altitude (m)	Speed (KTAS)/fuel flow (kg/hr)		
10,668	835/971	848/975	854/936
11,278	820/875	837/884	848/880
11,887	802/777	820/781	841/790
12,497	782/705	809/711	837/721
13,106	743/635	795/647	820/658
13,716	---/---	765/581	807/594

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