

# N790AL

## 1985 Cessna Citation SII

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# Performance Data

**Aircraft S/N: S550-0024**



*Prepared by the worldwide aviation specialists at RidgeAire, Inc.*

| <b>Wednesday, July 27, 2022 Export of Current Performance Specs List</b> |                      |
|--|----------------------|
| <b>MODEL NAME</b>  | <b>CITATION S/II</b> |
| <b>Fuselage Dimensions</b>   |                      |
| <b>US standard</b>   |                      |
| Length :   | 47.2 (ft)            |
| Height :   | 15.0 (ft)            |
| Wing Span :  | 52.2 (ft)            |
| <b>Cabin Dimensions</b>  |                      |
| Length :   | 16' 0" (ft)(in)      |
| Height :   | 4' 8" (ft)(in)       |
| Width :  | 4' 9" (ft)(in)       |
| Cabin Volume :   | 263 (cb ft)          |
| Baggage Volume :   | 77 (cb ft)           |
| <b>Typical Configuration</b>   |                      |
| Crew :   | 2                    |
| Passengers :   | 8                    |
| Pressurization :   | 8.8 (psi)            |
| <b>Fuel Capacity</b>   |                      |
| Standard :   | 5,775 (lbs)          |
| Standard :   | 862 (gal)            |
| Optional :   | 0                    |
| Optional :   | 0                    |
| <b>Weight</b>  |                      |
| Max. Ramp :  | 15,300 (lbs)         |
| Max. Takeoff :   | 15,100 (lbs)         |
| Zero Fuel :  | 11,200 (lbs)         |
| Basic Operating :  | 8,900 (lbs)          |
| Max. Landing :   | 14,400 (lbs)         |
| <b>Speed</b>   |                      |
| Vs Clean :   | 93 (kn)              |
| Vso Landing :  | 82 (kn)              |
| Normal Cruise TAS :  | 410 (kn)             |
| Vmo (Max Op) IAS :   | 276 (kn)             |
| V1 Takeoff :   | 110 (kn)             |
| VFE Max Flap Ext :   | 172 (kn)             |
| VLE Max Land Gear Ext :  | 172 (kn)             |
| <b>IFR Certification</b>   |                      |
| (IFR) :  | Unknown              |
| <b>Climb</b>   |                      |
| Normal :   | 3,040 (fpm)          |
| Engine Out :   | 860 (fpm)            |
| Ceiling :  | 43,000 (ft)          |
| <b>Landing Performance</b>   |                      |
| FAA Field Length :   | 2,247 (ft)           |
| <b>Takeoff Performance</b>   |                      |
| SL ISA BFL :   | 3,430 (ft)           |

|                       |   |
|-----------------------|---|
| 5000' +20C BFL :      | 6,490 (ft)  |
| <b>Range</b>          |   |
| Range :               | 1,970 (nm)  |
| Tanks Full :          | 0 (nm)  |
| Seats Full :          | 0 (nm)  |
| Range (4 PAX) :       | 1,970 (nm)  |
| Range (8 PAX) :       | -   |
| <b>Engines</b>        |   |
| Number of :           | 2   |
| Make/Model(s) :       | Pratt & Whitney Cana JT15D-4B<br>Williams/Rolls-Royce FJ44-3A |
| Thrust (per engine) : | 2,500 (lbs)   |
| Shaft (per engine) :  | 0 (hp)  |
| Common TBO Hours :    | 3,500   |
|                       |   |
|                       |   |