

**CESSNA 150 VH-SLL AIRCRAFT SPECIFICATIONS**

Airspeeds for Normal Operations

Take off & Landing Speeds

|  |  |  |  |
| --- | --- | --- | --- |
| **Rotate Speed (Vr)** | 50kts | **Normal Approach** **(Flaps Up)** | 65kts |
| **Take Off Safety Speed**  | 54kts | **Normal Approach** **(Flaps 30°)** | 60kts |
| **Best Angle (Vx)** | 55kts | **Short Field Approach (Flaps 40°)** | 55kts |
| **Best Rate (Vy)** | 68kts | **Baulked Approach** **(Max Power & Flap 20°)**  | 55kts |

General Speeds

|  |  |  |  |
| --- | --- | --- | --- |
| **Never Exceed (Vne)** | 164kts | **Max Window Open** | 143kts |
| **Max Normal Operating (Vno)** | 123kts | **Level Stall Speed (Vs) – flap up** | 50kts |
| **Max Maneuvering (Va)** | 105kts | **Level Stall Speed (Vso) – flap down** | 41kts |
| **Max Flap Extension**  | 85kts | **Max Crosswind** | 13kts |

Fuel & Oil

|  |  |  |  |
| --- | --- | --- | --- |
| **Fuel Type** | 100LL or 100/130 Avgas | **Engine Type and Horsepower** | Continental 100BHP @ 2750RPM |
| **Maximum Fuel** | 143 litres | **Oil Grade** | Aero W100 |
| **Max Useable Fuel** | 132 litres | **Maximum Oil** | 6 Quarts |
| **Fuel Consumption** | 22 Litres/Hour | **Minimum Oil** | 4 Quarts |

**\*\*Note: 100LL Avgas is BLUE in colour and 100/130Avgas is GREEN\*\***

Performance

|  |  |  |  |
| --- | --- | --- | --- |
| **Basic Empty Weight** | 512Kg | **Maximum Power**  | 2750 RPM |
| **Max Take off Weight** | 725 kg | **Static Power** | 2460 – 2560 RPM |
| **Max Landing Weight** | 725 kg | **Normal Cruise** | 2400 RPM |

\*\* Note: With Full tanks VH-SLL can easily be overloaded! \*\*