

**8KCAB DECATHALON VH-ICJ AIRCRAFT SPECIFICATIONS**

Airspeeds for Normal Operations

Take off & Landing Speeds

|  |  |  |  |
| --- | --- | --- | --- |
| **Rotate Speed (Vr)** | 60 kts | **Normal Approach** | 70 kts |
| **Take Off Safety Speed** | 58 kts | **Shortfield Approach** | 65 kts |
| **Best Angle (Vx)** | 75 kts | **Best Rate (Vy)** | 80 kts |

General Speeds

|  |  |  |  |
| --- | --- | --- | --- |
| **Never Exceed (Vne)** | 156 kts | **TAS** | 100 kts |
| **Max Normal Operating (Vno)** | 139 kts | **Level Stall Speed (Vs)** | 42 kts |
| **Turbulence Penetration Speed (Vturb)** | 120 kts | **Max Crosswind Take off** | 17 kts |
| **Best Glide Speed** | 70kts | **Max Crosswind Landing** | 17 kts |

Fuel & Oil

|  |  |  |  |
| --- | --- | --- | --- |
| **Fuel Type** | 100LL or 100/130 Avgas | **Engine Type and Horsepower** | Avco Lycoming 320  160BHP @ 2700rpm |
| **Maximum Fuel** | 151 litres | **Oil Grade** | Aero W100 |
| **Max Useable Fuel** | 140 litres | **Maximum Oil** | 8 Quarts |
| **Fuel Consumption** | 36 Litres/Hour | **Minimum Oil** | 6 Quarts |

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

Performance

|  |  |  |  |
| --- | --- | --- | --- |
| **Basic Empty Weight** | 607Kg | **Maximum Power** | 2700 RPM |
| **Max Take off Weight** | 816 kg | **Normal Cruise Power** | 2400 |
| **Max Landing Weight** | 816 kg | **Max payload with Full Fuel** | 100 kg |

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