

**CESSNA 172N VH-DOL AIRCRAFT SPECIFICATIONS**

Take off & Landing Speeds

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| **Rotate Speed (Vr)** | 60 – 70kts | **Normal Approach**  **(Flaps Up)** | 75kts |
| **Take Off Safety Speed** | 65kts | **Normal Approach**  **(Flaps 40°)** | 70kts |
| **Best Angle (Vx)** | 59kts | **Short Field Approach (Flaps 40°)** | 60kts |
| **Best Rate (Vy)** | 73kts | **Baulked Approach**  **(Max Power & Flap 20°)** | 55kts |

General Speeds

|  |  |  |  |
| --- | --- | --- | --- |
| **Never Exceed (Vne)** | 158kts | **Max Window Open** | 158kts |
| **Max Normal Operating (Vno)** | 127kts | **Level Stall Speed (Vs) – flap up** | 44kts |
| **Max Maneuvering (Va)** | 97kts | **Level Stall Speed (Vso) – flap down** | 33kts |
| **Max Flap Extension** |  | **Max Crosswind** | 15kts |
| **Flaps 10°** | 110kts | **TAS** | 110kts |
| **Flaps beyond 10°** | 85kts | **Best Glide Speed** | 70kts |

Fuel & Oil

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| **Fuel Type** | 100LL or 100/130 Avgas | **Engine Type and Horsepower** | Lycoming O320  160BHP @ 2700RPM |
| **Maximum Fuel** | 204 litres | **Oil Grade** | Aero W100 or W100 Plus |
| **Max Useable Fuel** | 189 litres | **Maximum Oil** | 6 Quarts |
| **Fuel Consumption** | 35 Litres/Hour | **Minimum Oil** | 4 Quarts |

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

Performance

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| **Basic Empty Weight** | 711Kg | **Maximum Power** | 2750 RPM |
| **Max Take off Weight** | 1050kg | **Static Power** | 2280 – 2400 RPM |
| **Max Landing Weight** | 1050kg | **Normal Cruise** | 2450 RPM |
|  |  | **Climb Power** | Full Power |

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