

**BEECHCRAFT DUCHESS 76 VH-BFP AIRCRAFT SPECIFICATIONS**

Airspeeds for Normal Operations

Take off & Landing Speeds

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| **Rotate Speed (Vr)** | 71kts | **Normal Approach**  **(Flaps Up)** | 87kts |
| **Take Off Safety Speed** | 80kts | **Normal Approach**  **(Flaps 30°)** | 76kts |
| **Best Angle (Vx)** | 71kts | **Intentional One-Engine Inoperative Speed (Vsse)** | 71kts |
| **Best Rate (Vy) & Blue line (single engine Vy)** | 85kts | **Max Glide Range** | 95kts |

General Speeds

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| --- | --- | --- | --- |
| **Never Exceed (Vne)** | 194kts | **Max Landing Gear Ext (VLe)** | 140kts |
| **Max Normal Operating (Vno)** | 154kts | **Max Landing Gear Retraction** | 112kts |
| **Max Maneuvering (Va)** | 132kts | **Level Stall Speed (Vs) – gear & flap up** | 70kts |
| **Max Flap Extension** | 110kts | **Level Stall Speed (Vso) – gear & flap down** | 60kts |
| **Air Minimum Control (Vmca)** | 65kts | **Max Crosswind** | 25kts |

Fuel & Oil

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| **Fuel Type** | 100LL Avgas | **Engine Type and Horsepower** | Lycoming  180BHP @ 2700RPM each |
| **Maximum Fuel** | 391 litres | **Oil Grade** | Aero W100 |
| **Max Useable Fuel** | 380 litres | **Maximum Oil** | 8 Quarts |
| **Fuel Consumption** | 80 Litres/Hour | **Minimum Oil** | 4 Quarts |

Performance

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| --- | --- | --- | --- |
| **Basic Empty Weight** | 1181Kg | **Max Zero Fuel Weight** | 1588 kg |
| **Max Take off Weight** | 1769 kg | **Max RPM** | 2700 RPM |
| **Max Landing Weight** | 1769 kg | **Normal Cruise** | 23MP @ 2400 RPM |