



CESSNA 172N VH-DOL AIRCRAFT SPECIFICATIONS

Take off & Landing Speeds

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	Balked 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

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

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! ****