



VH-PRJ

**BASIC DATA**

Engine:	Textron Lycoming IO-360-L2A
Power:	180 BHP @ 2700 RPM
Propeller:	McCauley 76 inch / JHA7660
Normal Cruise:	114 KT TAS @ 2500 rpm @ 6000'
Max Take Off Weight:	1156 Kg
Max Landing Weight:	1156 Kg
Basic Empty Weight:	797.4 Kg
Fuel Capacity:	Full: 100.5 Litres per tank (usable) / Total 201 Usable
Fuel Type:	Avgas 100LL or 100/130
Fuel Burn:	Climb: 75% power: 41 LPH Cruise: 65% power: 34 LPH
Oil Capacity:	Min 6 US Quarts, Max 8 US Quarts

**LIMITATIONS**

Never exceed speed (Vne)	163 KIAS
Maximum Structural Cruising Speed (Vno)	129 KIAS
Maneuvering Speed (Va)	105 KIAS @ 1156 Kg 98 KIAS @ 1000 Kg 90 KIAS @ 863 Kg
Maximum Flap Extended Speed: (Vfe)	110 KIAS @ Flaps 10° 85 KIAS @ Flaps 10° to Full
Maximum Demonstrated Crosswind:	15 KT
Stall Speeds (wings level)	Up (nil flap) 48 KIAS Full (flap) 40 KIAS

**NORMAL OPERATION**

Rotate Speed:	55 KIAS
Take-off Safety Speed:	56 KIAS (10° preferred) to 50 feet
Best Angle of Climb (Vx):	62 KIAS
Best Rate of Climb (Vy):	74 KIAS
Cruise Climb Speed:	75 - 85 KIAS
Best glide speed:	68 KIAS (nil flap)
Base Speed:	65 - 75 KIAS
Threshold Speed:	60 - 70 KIAS
Short Field Approach Speed:	61 KIAS (full flaps)