



VH - DIU

BASIC DATA

Engine:	Continental IO-240
Power:	125 HP (93.2 kW) @ 2800 RPM
Propeller:	Sensenich W69EK7-63G
Normal Cruise:	120 KIAS
Max Take Off Weight:	800 Kg
Max Landing Weight:	800 Kg
Basic Empty Weight:	558.8 Kg
Fuel Capacity:	91 Ltrs (usable)
Fuel Type:	Avgas 100LL or 100/130
Fuel Burn: 75% pwr	26 Ltrs / Hour @ 2700 RPM / 2000'
65% pwr	24 Ltrs / Hour @ 2600 RPM / 2000'
Oil Capacity:	6 Qts Min - 8 Qts Max

LIMITATIONS (800 Kg MTOW)

Maximum Occupants	2 Max
Never exceed speed (Vne)	164 KIAS
Maximum Structural Cruising Speed (Vno)	118 KIAS
Maneuvering Speed (Va)	106 KIAS (800kg)
Maximum Flap Extended Speed: (Vfe)	T/O Flap: 100 KIAS LDG Flap: 78 KIAS
Maximum Demonstrated Crosswind:	20 KIAS
Stall Speeds (wings level)	42 KIAS (Flaps Up) 40 KIAS (Flaps T/O) 34 KIAS (Flaps LDG)

NORMAL OPERATION (800 Kg MTOW)

Rotate Speed:	44 KIAS
Normal Climb to 50 Feet	58 KIAS
Best Rate of Climb (Vy): (Flaps T/O)	68 KIAS
Cruise Climb Speed:	75 KIAS
Best glide speed:	73 KIAS (750 Kg) (Cruise Flaps)
Base Speed:	Max 78 KIAS / T/O Flap
Threshold Speed:	52 KIAS