

PA-28-181 VH-MIZ

Flight Plan TAS	115kts
Cruise Climb	87kts
Best Rate of Climb	76kts (zero flap)
Best Angle of Climb	64kts (zero flap)
Take-off Safety Speed	52kts (zero flap) 45kts (2 nd stage flap)
Climb Power	full throttle
V _{NE}	154kts
V _{NO}	125kts
V _(man' ve)	113kts (@ 1156kg reduces to 89 @750kg)
V _(min)	54kts (zero flap) 49kts (full flap)
V _{FE}	102 kts
Max Crosswind	17kts
Range Glide	76kts, nil flap (66Kts Full Flap)
Base Speed	80kts
Final Speed	70kts
Short field Landing	62kts, full flap
Precautionary Search	80kts, 2 nd stage flap
Fuel	189 l total; 181 l usable
Fuel Rate	39 l/hr
Endurance	288 min (no reserve)
Range and Endurance	Ref to aircraft tables (POH)
Power setting	Ref to aircraft tables (POH)
<u>Owner's Manual must be consulted for accurate fuel rates</u>	
Oil	Min= 5 US qts Normal = 6 US qts Max = 8 US qts
Max AUW	1156 kg (Utility 968Kg)
Empty Weight	700 kg
Max Baggage	90kg (check W&B considerations)
<u>Note: Flight Manual to be used for Weight/Balance calculations</u>	
Engine Type	Lycoming O-360-A4M
Static rpm	2325-2425 rpm
Tyre pressure	Main 24 psi (max weight) Nose 29 psi (max weight)

Engine leaning:

Lean above 5000ft at 75% power
Lean below 5000ft if **below** 75% power

Runups:

2000RPM – Max Drop 175 RPM / Max Split 50 RPM
Max run in single magneto 10 Secs

BEW 1529(lbs) ARM 88.8(inches)

TYRES NOSE 18PSI MAINS 24PSI