



## PIPER ARROW VH-AIZ AIRCRAFT SPECIFICATIONS

### Airspeeds for Normal Operations

#### Take off & Landing Speeds

Rotate Speed (Vr)	60 - 65kts	Normal Approach (Flaps Up)	85kts
Take Off Safety Speed	60kts	Normal Approach (Flaps 30°)	75kts
Best Angle (Vx)	78kts	Short Field Approach (Flaps Full)	69kts
Best Rate (Vy)	90kts	Balked Approach (Max Power & Flap 20°)	60kts

### General Speeds

Never Exceed (Vne)	183kts	Max Landing Gear Ext (VLe)	129kts
Max Normal Operating (Vno)	146kts	Max Landing Gear Retraction	107kts
Max Maneuvering (Va)	118kts	Level Stall Speed (Vs) – gear & flap up	60kts
Max Flap Extension	103kts	Level Stall Speed (Vso) – gear & flap down	55kts
Best Glide	79kts	Max Crosswind	17kts

### Fuel & Oil

Fuel Type	100LL or 100/130 Avgas	Engine Type and Horsepower	Lycoming 200BHP @2700RPM
Maximum Fuel	292 litres	Oil Grade	Aero W100
Max Useable Fuel	273 litres	Maximum Oil	8 Quarts
Fuel Consumption	45 Litres/Hour	Minimum Oil	4 Quarts

**\*\*Note: 100LL Avgas is BLUE in colour and 100/130Avgas is GREEN\*\***

### Performance

Basic Empty Weight	813Kg	Maximum Power	2700 RPM
Max Take off Weight	1250 kg	Run up Power	2000 RPM
Max Landing Weight	1250 kg	Normal Cruise	23MP @ 2400 RPM