



AAFC SR22T Quick Reference Sheet

Engine Information

- Continental TSIO-550-K
 - (Keep **CHTs** between **240F** and **420F** at all times)
- Fuel Injected, Horizontally Opposed, Air Cooled, Turbocharged, Direct Drive, **315 HP**
- Oil Capacity – **8 quarts**
- Maximum Gross Takeoff Weight – **3600 lbs**
- Maximum Baggage Compartment Loading – **130 lbs**

Operational Specifications

- **92** Gallons Usable Fuel (94.5 Total)
 - Tabs – **60** gallons
- Must switch fuel tanks – expect a fuel tank switch every **20-25 minutes**
 - CAS message triggered at **10 gallon** imbalance if tank is not switched
- **100LL** and **100** are acceptable fuel sources
- Two pumps
 - Engine driven
 - Auxiliary (electric) – *Electric must be used during priming (high boost), takeoff, landing, switching tanks, maneuvering, climbing, & descending*
 - Leave electric pump on at cruise for at least **30 minutes**

******Before taxi and after landing you should lean the mixture to max RPM for ground operation.

Maneuver Configurations

- **Steep Turns:** 50% Power – 120 KIAS
- **Ground Reference Maneuvers:** 40% Power – 100 KIAS
- **Slow Flight/Power Off Stalls:** 30% Power – <100 KIAS
- **Power On Stalls:** 30% Power – >65% Power
- **Downwind:** 40% Power
- **Abeam Touchdown:** 30% Power – 12" MP – 50% Flaps – 100 KIAS
- **Base:** 12" MP – 100% Flaps – 90 KIAS
- **Final:** 12" MP – 100% Flaps – 80-85 KIAS

Instrument Procedures

- **Cleared IAF:** Power as required – 120 KIAS
- **FAF Inbound:** 30% Power – 100 KIAS
- $\frac{1}{2}$ Scale below Glide Slope or 2NM prior to FAF on non-precision app. – 40% Power – 50% Flaps

V-Speeds & KIAS

V-Speed	KIAS
V _{SO}	64
V _S	74
V _R	77-80
V _X	88
V _Y	103
V _{FE}	150
V _{FE}	110

V_O	140
V_{NO}	150-176
V_{NE}	175-205
V_G	92
V_{PD}	140

Crosswind Limit – 21 KTS