

Aircraft Data and V-Speed Sheet

Aircraft Make	Aircraft Model	Engine Make	Horsepower

Takeoff Procedures
<u>Normal Takeoff</u>
<u>Short-Field Takeoff Over 50' Obstacle</u>
<u>Soft-Field Takeoff</u>

Landing Procedures
<u>Normal Landing</u>
<u>Short-Field Landing Over 50' Obstacle</u>
<u>Soft-Field Landing</u>

Emergency Operations
<u>Emergency Approach And Landing</u>
<u>Fuel Starvation</u>
<u>Emergency Equipment And Survival Gear</u>

Speeds (Knots MPH)
V _{s0} _____
V _{s1} _____
V _{ne} _____
V _{no} _____
V _{le} _____
V _{lo} _____
V _{fo} _____
V _{fe} _____
V _x _____
V _y _____
Multi-Engine Speeds:
V _{mc} _____
V _{yse} _____
V _{xse} _____
Best Glide Speed:
(_____ lbs.) _____
(_____ lbs.) _____
Maneuvering Speed:
(_____ lbs.) _____
(_____ lbs.) _____

Initial Climb _____
Cruise Climb _____
Normal Cruise _____
Inst. Approach _____
Downwind Leg _____
Base Leg _____
Final Approach _____

Ranges:
White Arc _____
Green Arc _____
Yellow Arc _____
Weights
Max. Gross Wt. _____
Max. Takeoff Wt. _____
Basic Empty Wt. _____
Max. Useful Load _____

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Wing Flaps			
<u>Type</u>	<u>Range</u>	<u>Position Indications</u>	<u>Power Source(s)</u>

Landing Gear		
<u>Emergency Gear Extension Procedure</u>	<u>Held Down By</u>	<u>Power Source(s)</u>
	<u>Held Up By</u>	<u>Safety Switch Location</u>

Cabin Heat, Ventilation, and Defrosting			
<u>Heat Source</u>	<u>Heater Uses Fuel From Tank(s)</u>	<u>Fuel Consumption Rate</u>	<u>Cool Air Source</u>

Fuel	Oil	Equipment
Total Fuel Capacity: _____ Total Usable Fuel: _____ Grade and Color of Fuel: _____ Fuel Burn (Cruise): _____ Number of Strainers: _____ Boost Pumps: ____ Electric ____ Engine Driven Notes: _____ _____ _____	Viscosity Recommended : Temperature Range _____ : _____ _____ : _____ _____ : _____ Max. Capacity: _____ Min. Required: _____ Oil System Components: a) _____ b) _____ Notes: _____ _____ _____	<input checked="" type="checkbox"/> <i>Check All That Apply</i> <u>Propeller(s)</u> Constant Speed _____ Adjustable _____ Fixed Pitch _____ Full Feathering _____ <u>Trim Controls</u> Elevator _____ Rudder _____ Aileron _____ Electric _____ <u>Miscellaneous</u> Cowl Flaps _____ Carb. Heat _____ Turbocharger _____ Supercharger _____ Pressurization _____

Hydraulics	Electrical	Normal Ranges
Systems and Equipment Operated: a) _____ b) _____ c) _____ d) _____ Reservoir Location(s): _____ Other Hydraulic System Components: a) _____ b) _____ Notes: _____ _____ _____	Battery Volts: _____ Amps: _____ Buses: a) _____ b) _____ (Generator Alternator) Volts: _____ Amps: _____ Battery Location(s): _____ Location of Spare Fuses: _____ Notes: _____ _____ _____	<u>Normal Ranges</u> Tachometer(s) _____ - _____ Manifold Pressure _____ - _____ Oil Temperature _____ - _____ Cylinder Head Temp. _____ - _____ Fuel Pressure _____ - _____ Oil Pressure _____ - _____ Suction _____ - _____

System Schematic	System Notes