
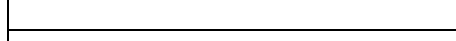


<b>SportCruiser</b>	Static Port: Check Empennage: Check – Secure	Engine Instruments: Green	<b>GO AROUND</b>
<b>Preflight (Inside cockpit)</b> Ignition Off Master- Instruments: On Pitch-roll trim: Check Flaps: Test Exterior lights check Fuel Quantity site gauges Fuel Pump: Check On – Off Master off Fuel Selector: On fullest Tank Stick: free and correct Rudder: free and correct Documents: Airworthiness, Registration, Flight Manual, W&B, LSA waiver Circuit Breakers: Check Canopy: Clean – Check	<b>Engine Start</b> Seat Belts: On Secure Brakes: Fully applied Throttle: Idle Choke: Full On Master Switch: On Fuel Pump: On Ignition Switch: Clear, Start Choke: Off Engine Instruments: Check Fuel Pump: Off RPM: 2,500 max – 1,500 min Avionics Switch: On Instruments: Check Other Switches: On as necessary <b>Hot Engine Start – No Choke</b>	<b>Before Take Off</b> Seat belts: On Transponder: On Alt Trim: Check Neutral Flaps: 10 <sup>0</sup> Canopy: Down & Locked  Radio Call Engine Gauges: Green  <b>Take Off</b> Full Power 4,900 min rpm on Take-Off Maintain Runway Center-line Rotate 40 kts Lift Off 45 kts Climb 65 to 75 kts 200' Flaps Up	Throttle: Full open Establish 65 kts Climb Positive rate of Climb Flaps Up Climb 75 kts  <b>Shut Down</b> Avionics: Off Instruments Switch: Off Lights: Off Ignition: Off Master: Off  <b>Securing the plane</b> Verify Ignitions both OFF Verify Master OFF Chocks Tie-down Secure airplane
<b>Exterior</b> Engine Cowling Condition Engine Oil: Check, burp tank Engine Coolant: Check Engine Mount: Secure Hoses & Connections: Check Cowling: Closed & Secure Propeller: Check Nose Gear & Wheel/Tire: Check Main Gear & Wheels/Tires: Check Left Wing, Fuel/Sump & Aileron: Check Right Wing, Fuel/Sump & Aileron: Check Pitot Tube: Check	<b>Taxi</b> Transponder: On Radio Call Altimeter: Set Control Stick: Wind Correction Brakes: Test Oil Temp: 50°C Min for Take-off RPM : as needed  <b>Engine Run-Up</b> Brakes: Secure On Throttle RPM: 4,000 Ignition Left – Right: 300rpm Max 120 rpm differential Throttle: Idle	<b>Cruise</b> Power setting 5,500 Max Engine Gauges: Green Oil temp : Check Recommended Power settings for Cruise 4,800 to 5,200 Avoid 4,000 rpm cruise  <b>Descent and Landing</b> Fuel Selector: Fullest Tank Down Wind 4,000 rpm 80 kts Abeam Numbers 3,000 rpm White Arc Flaps 10 - 20 <sup>0</sup> Pitch 65 kts Final Full Flaps 60 kts	<b>Engine Failure</b> Best glide speed 65 kts Choose landing site Check fuel quantity Check ignition switches Check Fuel Selector Check Throttle  <b>Engine Fire</b> Fuel Cutoff: Off Master Switch: OFF Ignition Switches: both OFF    

V <sub>X</sub> 65 kts
V <sub>Y</sub> 70 kts
V <sub>a</sub> 86 kts
V <sub>fe</sub> 75 kts
V <sub>no</sub> 108 kts
V <sub>ne</sub> 138 kts
Best glide 65 kts
Max Crosswind 12 kts
Max Headwind 20 kts

Maximum bank angle 60°

Stalls

Lazy eights

Chandelles

Intentional Spins and Aerobatics

Prohibited