



<p>INITIAL</p> <p>Weather & Den. Alt. Weight & Balance Performance Req. Flight Plan – File Papers – A.R.O.W. Release Controls Ignition – OFF All Electrical – OFF Fuel Valve – ON Fuel Gauges – True Seat Belts – Ck/Secure ELT – Arm Master – ON Lights – Int. / Ext. Master – OFF</p> <p>EXTERIOR SUMMARY <i>After Thorough Geographical Check</i></p> <p>Fuel Quantity Fuel Quality Caps/Drains/Vents Engine / Oil / Belt Prop / Air Filter Windshield Exhaust System Stall Indicator Surfaces & Controls Pitot & Static Ports Gear / Tires / Brakes Antennas Brace Wires Chocks / Tie-Downs Final Walk Around</p> <p>INTERIOR</p> <p>Passenger Brief Hobbs / Tach Time Alt Static – Normal Circuit Breakers</p>	<p>START</p> <p>Front Seat – Adj/Secure Avionics – OFF Alternate Air – Cold Prop – High RM Mixture – Full Rich Master – ON Nav Lights – ON Fuel Pump – ON <i>3 Seconds</i> Mixture – Full Lean Throttle – 1/2-1" Brakes Prop – Clear Mags – L & R – ON Starter – Engage Mixture – Full Rich Oil / Fuel Pressure NAV Lights – ON Mixture – As Req.</p> <p>PRE-TAXI / TAXI</p> <p>Seat Belts / Harness Heat / Vent / Defrost Avionics – ON ASOS Altimeters – Analogue & Digital XPDR – Alt + Sqwk Radio – Test Landing Light – ON Brakes – Test Turn & Bank – Test</p>	<p>RUN-UP</p> <p>Brakes Trim – Takeoff Flight Controls Instruments Fuel Valve – ON Mixture – Best Power 1800 RPM Mags-Test <i>R-L-Both</i> Prop – Cycle Alternate Air – Test Ammeter Oil Pressure Oil Temperature Idle -Check Closed Throttle Friction</p> <p>PRE-TAKEOFF</p> <p>Fuel Pump – ON Prop – High RPM Mixture – Best Power XPDR – Alt + Sqwk</p> <p>Door / Window Landing Light – ON Strobes – ON Time – Note Brakes – Release</p> <p>ABORT PLAN - READY!</p>	<p>TAKEOFF</p> <p>Full Throttle 2700 RPM <i>Max</i> Oil Pressure / Temp. Liftoff – * 70 (80) Vy – 74 (85)</p> <p>CLIMB</p> <p>Throttle Prop Mixture Instruments Alternate Air – As Req. Land Light – OFF Flight Plan – Open</p> <p>CRUISE</p> <p>Throttle Prop Mixture Instruments Alternate Air – As Req.</p>	<p>DESCENT</p> <p>Mixture – Richen ASOS Altimeters – Analogue & Digital Instruments</p> <p>PRE-LANDING</p> <p>Brakes – Pedal Test Seat Belts / Harness Landing Light – ON Fuel Pump – ON Mixture – Best Power Alternate Air – Cold <i>On If Icing Conditions</i></p> <p>LANDING</p> <p>Prop – High RPM * 76 (87)</p> <p>G. U. M. P. F. S.</p> <p>GO-AROUND Power – Full Alternate Air – Cold Trim – Reset</p>	<p>AFTER LANDING</p> <p>Alternate – Cold Fuel Pump – OFF Landing Light – ON Strobes – OFF Lights – As Req. Mixture – As Req. Trim – Takeoff XPDR – Alt + Sqwk</p> <p>SECURING</p> <p>ELT – Verify Silent Park Brake Avionics/Elec. – OFF Mixture – Full Lean Hobbs / Tach Time Mags – OFF Master – OFF Lights – OFF Secure Controls Chocks Tie Downs Pitot Cover Engine Plugs Cabin Door</p> <p>Close Flight Plan</p> <p><small>* Adjust Speed As Needed For Conditions. Check Your POH For Notes / Cautions Plus Manufacturer For Revisions.</small></p>
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X Wind • Max Demo'd – 17 (20)	Vs • Stall w/o Flaps – 46 (53)	Va • Max Abrupt Ctrl (1500 lbs) – 96 (110)	Loop – 122 (140)
Lift Off – 70 (80)	Best Glide (1500 lbs) – 59 (68)	Va • Max Abrupt (Full Gross) – (1)105 (121)	Immelman – 126 (145)
Vx • Best Angle Climb – 70 (80)	Best Glide (Full Gross) 65 (75)	Vno • Max Structural Cruise – 139 (160)	Snap Roll – 78 (90)
Vy • Best Rate Climb – 74 (85)	Vne • Never Exceed – 156 (180)	Hammer Head – 113 (130)	Slow or Barrel Roll – 113 (130)

	KNOTS (MPH)	– NOTES –
DEPARTURE		All Vs speeds Are CAS, Except Aerobatic Maneuvers & Lift Off Which Are IAS Maneuvering Load Factors: <u>Normal</u> - +5Gs, -3Gs (Green Arc On Accelerometer) <u>Acrobatic</u> - +6Gs, -5Gs (Yellow Arc On Accelerometer)
Liftoff *	70 (80)	Va • (1)113 (130) Acrobatic Category
Best Angle Climb	70 (80)	
Best Rate Climb	74 (85)	
CRUISE (TAS-5,000')		
Normal	109 (125)	22" 2400 RPM – 8.2 GPH – 70%
ARRIVAL		
Approach	80 (92)	14" MP (Initially)
Short Final *	75 (86)	Idle MP / Prop – High RPM

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Specs Are Approximate Because Of Environment & Plane Model / Year Variables. Specs Are In: LBS, Calibrated, Sea Level, Standard Day, Normal Category, Max Gross Wt., No Wind, "Lean Mixture", Wheel Pants, New Engine. () = MPH.

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