

<p>INITIAL</p> <p>Weather & Den. Alt. Weight & Balance Performance Req. Flight Plan – File Papers – A.R.O.W. Fuel – Both Control Lock Master – On Flaps – Extend Pitot Heat – Test Lights – Int. / Ext. Fuel Gauges – True Master – Off</p> <p>EXTERIOR SUMMARY <i>After Geographical Check</i></p> <p>Fuel Quantity Fuel Quality Caps/Drains/Vents Engine / Oil / Belt Prop / Air Intake Exhaust System Stall Indicator – Test Surfaces & Controls Pitot & Static Ports Gear / Tires / Brakes Antennas Ties / Chocks Baggage Door Final Walk Around</p> <p>INTERIOR</p> <p>Passenger Brief Hobbs / Tach Time Circuit Breakers Alternate Static Brakes – Pedal Test</p>	<p>START</p> <p>Seat Track/Back – Lock Avionics – Off Autopilot – Off Carb Heat – Off Beacon – On Mixture – Full Rich Throttle – Slight Prime Brakes Prop – Clear Master – On Mags – Start Oil Pressure Lights – As Req. Mixture – As Req.</p> <p>PRE-TAXI / TAXI</p> <p>Seat Belts / Harness Flaps – Up Heat / Vent / Defrost Avionics - On / Set XPDR – STBY ATIS / AWOS Altimeter – Set Radio – Test Taxi Light – As Req. Brakes – Test Attitude Indic. – Test Turn Coord. – Test H.I./Compass – Test</p>	<p>RUN-UP</p> <p>Brakes – Set Fuel – Both Trim – Takeoff Flight Controls Instruments Mixture – Best Power Primer – In & Lock</p> <p>1700 RPM Mags (R&L) – Test Carb Heat – Test Vacuum Amps / Volts Oil Pressure Oil Temperature Idle – Check Closed Throttle Friction</p> <p>PRE-TAKEOFF</p> <p>Flaps – 0°- 10° Mixture – Best Power Carb Heat-Off <i>Or As Req.</i> H.I. To Compass Doors / Windows XPDR – Alt + Sqwk Landing Light – On Strobes – As Req. Time – Note Brakes – Release</p> <p><i>Abort Plan - Ready!</i></p>	<p>TAKEOFF</p> <p>Full Throttle 2300 RPM (Min) Oil Pressure Rotate * 55 (63) Vy – 78 (90) Flaps – Up</p> <p>CLIMB</p> <p>70-78 (80-90) Power Mixture Instruments Taxi / Land Light – Off Flight Plan – Open</p> <p>CRUISE</p> <p>Power Mixture Instruments H.I. To Compass</p>	<p>DESCENT</p> <p>Mixture – Richen Fuel – Both Carb Heat – As Req. ATIS / AWOS Altimeter – Set Instruments H.I. To Compass</p> <p>PRE-LANDING</p> <p>Landing Light – On Autopilot – Off Seat Belt / Harness Mixture – Best Power Carb Heat – On Fuel – Both Flaps – As Req.</p> <p>LANDING</p> <p>Flaps – 40° <i>Or As Req.</i> Speed * 60 (69)</p> <p>G. U. M. P. F. S.</p> <p>GO AROUND Power – Full Carb Heat – Off Positive Rate Climb Flaps – Retract Slowly</p>	<p>AFTER LANDING</p> <p>Flaps – Up Carb Heat – Off Strobes – Off Landing Light – Off Taxi Light – As Req. Pitot Heat – Off Mixture – As Req. Trim – Takeoff XPDR – STBY</p> <p>SECURING</p> <p>ELT – Verify Silent Avionics – Off Mixture – Full Lean Mags – Off Master – Off Fuel – Left or Right Lights – Off Hobbs / Tach Time Control Lock Chocks Tie Downs Pitot Cover Baggage Door Cabin Doors</p> <p>Close Flight Plan</p> <p>* Adjust Speed As Needed For Conditions</p>
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X Wind • Max Demo'd – 15 (17)	Vs ₀ • Stall with flaps – 41 (47)	Best Glide (1976) (2000 lbs) – 61 (70)	Vno • Max Struct. Cruise – 128 (147)
Vr • Rotation Speed – 55 (63)	Vs • Stall without flaps – 47 (54)	Best Glide (1976) (Full Gross) – 65 (75)	Vfe • Flaps Extended – 85 (98)
Vx • Best Angle Climb – 64 (74)	Best Glide (2000 lbs) – 65 (75)	Va • Max Abrupt Ctrl (2000 lbs) – 90 (104)	Vne • Never Exceed – 160 (184)
Vy • Best Rate Climb – 78 (90)	Best Glide (Full Gross) – 70 (80)	Va • Max Abrupt (Full Gross) – 97 (112)	

	KNOTS (MPH)	FLAPS °	– NOTES –
DEPARTURE			172M – Speeds May Vary Slightly Depending On Year. (IAS & CAS)
Rotation *	55 (63)	0	Short Field w/Obstacle: 0° Flaps. Climb 59 (68) Until Clear.
Best Angle Climb	64 (74)	0	Short w/o Obstacle or Soft Field: 10° Flaps.
Best Rate Climb	78 (90)	0	
CRUISE (TAS - 5,000')			
Economy	99 (114)	0	2300 RPM – 6.4 GPH – 54%
Normal	108 (124)	0	2450 RPM – 7.1 GPH – 63%
Maximum	117 (135)	0	2625 RPM – 8.3 GPH – 75%
ARRIVAL			
Approach	70 (81)	10-20	1700 RPM (Initially)
Short Final *	60 (69)	30-40	Idle-1200 RPM

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

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