

<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> Pitot Heat - As Req. H.I. To Compass Doors / Windows XPDR - Alt + Sqwk Landing Light - On Strobes - On Time - Note Brakes - Release</p> <p><i>Abort Plan - Ready!</i></p>	<p>TAKEOFF</p> <p>Full Throttle 2260 RPM (Min) Oil Pressure Rotate * 52 (60) Vy - 71 (82) 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 * 61 (70)</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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Vr • Rotation Speed - 52 (60)	Vs0 • Stall with flaps - 43 ⁽¹⁾ (49)	Va • Max Abrupt (2000 lbs) - 99 (114)	Vfe • Full Flaps - 87 (100)
Vx • Best Angle Climb - 59 (68)	Vs • Stall without flaps - 50 ⁽¹⁾ (57)	Va • Max Abrupt (Full Gross) - 106 (122)	X Wind • Max Demo'd - 13 (15)
Vy • Best Rate Climb - 71 (82)	Best Glide (2000 lbs) - 65 (75)	Vno • Max Structural Cruise - 122 (140)	
	Best Glide (Full Gross) - 70 (80)	Vne • Never Exceed - 151 (174)	

	KNOTS (MPH)	FLAPS °	- NOTES -
DEPARTURE			⁽¹⁾ Stall Speeds Are CAS
Rotation *	52 (60)	0	Short Field w/Obstacle: 0° Flaps
Best Angle Climb	59 (68)	0	Short w/o Obstacle or Soft: 10° Flaps
Best Rate Climb	71 (82)	0	
CRUISE (TAS-5,000')			
Economy	95 (109)	0	2300 RPM - 6.5 GPH - 55%
Normal	107 (123)	0	2500 RPM - 7.4 GPH - 68%
Maximum	112 (129)	0	2600 RPM - 8.1 GPH - 75%
ARRIVAL			
Approach	70 (80)	10-20	1700 RPM (Initially)
Short Final *	61 (70)	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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