

# Normal Checklist – Beechcraft Duchess 76

INITIAL	START	RUN-UP	TAKEOFF	DESCENT	AFTER LANDING
Weather & Den. Alt. Weight & Balance Performance Req. Flight Plan – File Papers – A.R.Q.W. Mags – Off Mixtures – Full Lean Control Lock Cowl Flaps – Open Gear Lever – Down BATT – On Gear Lights – Green Pitot Heat – Test Stall Vanes – Test Lights – Int. / Ext. Fuel Gauges – True BATT – Off	Seat Back/Back-Lock Emer. Ext. Tool Stow Circuit Breakers Avionics – Off Autopilot – Off Carb Heat – Off Cowl Flaps – Open Beacon – On [1st Engine Start] – Mixture – Rich Prop – High RPM Throttle – ¼ Open Brakes – Set Prop – Clear BATT – On ALT out, Low Volt Lbs. (Verify Illuminated) Fuel Pump – On Mags – Start (Push to Prime) Oil Pressure ALI – On #2 Engine – Start Lights – As Req. Mixture – As Req.	Brakes – Set Fuel Selector – On Elec. Inm./Autopilot Trim – Takeoff Flight Controls Flaps – Check Operation Instruments Annunciator Lights Mixture – Best Power 2200 RPM Props – Cycle Mags (R&L) – Test Carb Heat – Test 1500 RPM Feather – Test Gyro Pressure Amps / Volts Oil Pressure / Temp Alternators Idle – Check Closed Friction Lock	Full Throttle 2700 RPM (Max) Oil Pressure Rotate * 71 (82) V <sub>rise</sub> – 85 (98) Gear – Up  <b>CLIMB</b>  100 (115) Full Throttle Props – 2600 RPM Mixture – As Req. Fuel Pumps – Off Cowl Flaps – As Req. Instruments Taxi/Land Light – Off Flight Plan – Open  <b>CRUISE</b>  Throttle Props Mixture Cowl Flaps Instruments H.I. To Compass	Power – As Req. Mixture – Richen Fuel Selector – On Carb Heat – As Req. Cowl Flaps – Close AIS /AWOS Altimeter – Set Defrost / Pitot Heat Instruments H.I. To Compass  <b>PRE-LANDING</b>  Landing Light – On Carb Heat – As Req. Autopilot – Off Gas... On / Pumps – On Undercarriage... Down Mixture... Best Power Props... High RPM Flaps... As Req. Seatbelts... & Harness  <b>LANDING</b>  Gear – Down Flaps – 35° Or As Req. Speed * 76 (87)  <b>GO AROUND</b> Power – Full Carb Heat – Off Positive Rate Climb Flaps – Up Gear – Up Cowl Flaps – Open	Flaps – Up Carb Heat – Off Cowl Flaps – Open Strobes – Off Landing Light – Off Taxi Light – As Req. Pitot Heat – Off Heater – Off Inm – Takeoff Transpond – STBY  <b>SECURING</b>  ELI – Verify Silent Fuel Pumps – Off Avionics – Off Mixture – Full Lean Mags – Off BATT / ALI – Off Lights – Off Cowl Flaps – Closed Hobbs / Tach Time Control Lock Chocks Tie Downs Pitot Cover Baggage Doors Cabin Doors  <b>Close Flight Plan</b>  * Adjust Speed As Needed For Conditions
<b>EXTERIOR SUMMARY</b> After Geographical Check  Fuel Quantity Fuel Quality Caps / Drains / Vents Engines / Oil / Belt Props / Air Intakes Exhaust Systems Cowl Flaps Surfaces & Controls Pitot & Static Ports Gear / Tires / Brakes ELI – Armed Antennas Baggage Doors Ties / Chocks Final Walk Around	<b>PRE-TAXI / TAXI</b>  Seat Belts / Harness Heat / Vent / Defrost Avionics – On / Set Transpond – STBY AIS / AWOS Altimeter – Set Taxi Light – As Req. Brakes – Test Fuel Pumps – Off/On (Verify Eng. / Inm. / Pumps) Attitude Indic. – Test Turn Coord. – Test H.I. / Compass – Test	<b>PRE-TAKEOFF</b>  Flaps – 0° Props – High RPM Mixture – Best Power Carb Heat Off or As Req. Fuel Pumps – On H.I. To Compass Doors / Windows Pitot Heat – As Req. Landing Light – On Strobes – On Transp – Alt + Sqwk Time – Note Brakes – Release  <i>Abort Plan – Ready!</i>			
<b>INTERIOR</b>  Passenger Brief Hobbs / Tach Time Fuel Selectors Test/On Oxygen Alternate Static					

V <sub>r</sub> • Rotation Speed – 71 (82)	V <sub>so</sub> • Stall with flaps – 60 (69)	V <sub>a</sub> • Max. Abrupt (3000 lbs) – 116 (133)	V <sub>lr</sub> • Max. Gear Retract – 112 (129)
V <sub>x</sub> • Best Angle Climb – 71 (82)	V <sub>s</sub> • Stall w/o flaps – 70 (81)	V <sub>a</sub> • Max. Abrupt (Full Gross) – 132 (152)	V <sub>io</sub> /V <sub>le</sub> • Max. Gear Speeds – 140 (161)
V <sub>rise</sub> • Best Angle 1 Eng. – 85 (98)	V <sub>mcra</sub> • Min. Ctl. 1 Eng. – 65 (75)	V <sub>no</sub> • Max. Structural Cruise – 154 (177)	V <sub>fe</sub> • 20° Flaps – 120 (138)
V <sub>y</sub> • Best Rate Climb – 85 (98)	Best Glide (3000 lbs) – 83 (95)	V <sub>ne</sub> • Never Exceed – 194 (223)	V <sub>fe</sub> • Full Flaps – 110 (122)
V <sub>ysc</sub> • Best Rate 1 Eng. – 85 (98)	Best Glide (Full Gross) – 95 (109)	V <sub>ss</sub> • 1 Eng. Intentional – 71 (82)	X Wind • Max. Demo'd – 25 (29)

	KNOTS (MPH)	FLAPS °	– NOTES –
<b>DEPARTURE</b>			
Rotation *	71 (82)	0	Do Not Takeoff With Fuel Quantity Indicators In The Yellow Band  Cabin Heater Uses Fuel From Right Wing Tank Fuel System Only
Best Angle Climb	71 (82)	0	
Best Rate Climb	85 (98)	0	
<b>CRUISE (105,000)</b>			
Economy	127 (146)	0	18.0" Hg – 2100 RPM – 12.4 GPH
Normal	155 (178)	0	21.9" Hg – 2400 RPM – 18.4 GPH
Maximum	160 (184)	0	21.9" Hg – 2500 RPM – 19.6 GPH
<b>ARRIVAL</b>			
Approach	87 (100)	10-20	17" MP (Initially) High RPM
Short Final *	76 (87)	35	