

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 A/I Out, Low Volt Lbs. (Verify Illuminated) Fuel Pump – On Mags – Start (Push to Prime) Oil Pressure A/I – 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 _{rise} – 85 (98) Gear – Up CLIMB 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 CRUISE 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 A/I5 /AWOS Altimeter – Set Defrost / Pitot Heat Instruments H.I. To Compass PRE-LANDING 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 LANDING Gear – Down Flaps – 35° Or As Req. Speed * 76 (87) GO AROUND 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 SECURING E/I – Verify Silent Fuel Pumps – Off Avionics – Off Mixture – Full Lean Mags – Off BATT / A/I – Off Lights – Off Cowl Flaps – Closed Hobbs / Tach Time Control Lock Chocks Tie Downs Pitot Cover Baggage Doors Cabin Doors Close Flight Plan * Adjust Speed As Needed For Conditions
EXTERIOR SUMMARY 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 E/I – Armed Antennas Baggage Doors Ties / Chocks Final Walk Around	PRE-TAXI / TAXI Seat Belts / Harness Heat / Vent / Defrost Avionics – On / Set Transpond – STBY A/I5 / 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	PRE-TAKEOFF 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 Abort Plan – Ready!			
INTERIOR Passenger Brief Hobbs / Tach Time Fuel Selectors Test/On Oxygen Alternate Static					

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

	KNOTS (MPH)	FLAPS °	– NOTES –
DEPARTURE			
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	
CRUISE (105,000)			
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
ARRIVAL			
Approach	87 (100)	10-20	17" MP (Initially) High RPM
Short Final *	76 (87)	35	