INITIAL

Weather & Den.Alt.
Weight & Balance
Performance Req.
Flight Plan – File
Papers – A.R.O.W.
Fuel – On
Control Lock
Master – On
Flaps – Extend
Pitot Heat – Test
Lights – Int. / Ext.
Fuel Gauges – True
Master – Off

EXTERIOR SUMMARY
After Geographical Check

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
Final Walk Around

INTERIOR

Passenger Brief
Hobbs / Tach Time
Circuit Breakers
Alternate Static
Brakes – Pedal Test

START

Seat Track/Back – Lock
Avionics – 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.

PRE-TAXI / TAXI

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

RUN-UP

Brakes – Set
Fuel – On
Trim – Takeoff
Flight Controls
Instruments
Mixture – Best Power
Primer – In & Lock

1700 RPM
Mags (*R & L*) – Test
Carb Heat – Test
Vacuum
Amps / Volts
Oil Pressure
Oil Temperature
Idle – Check Closed
Throttle Friction

PRE-TAKEOFF

Flaps – 0°-10°
Mixture – Best Power
Carb Heat-Off *Or As Req.*
Pitot Heat – As Req.
H.I. To Compass
Doors / Windows
XPDR – Alt + Sqwk
Landing Light – On
Strobes – On
Time – Note
Brakes – Release

Abort Plan - Ready!

TAKEOFF

Full Throttle
2280 RPM *(Min)*
Oil Pressure
Rotate* 50 *(58)*
Vy – 67 *(77)*
Flaps – Up

CLIMB

70-80 *(81-92)*
Power
Mixture
Instruments
Taxi / Land Light – Off
Flight Plan – Open

CRUISE

Power
Mixture
Instruments
H.I. To Compass

DESCENT

Mixture – Richen
Fuel – On
Carb Heat – As Req.
ATIS / AWOS
Altimeter – Set
Instruments
H.I. To Compass

PRE-LANDING

Landing Light – On
Seat Belt / Harness
Mixture – Best Power
Carb Heat – On
Fuel – On
Flaps – As Req.

LANDING

Flaps – 30° *Or As Req*
Speed* 55 *(63)*

G.U.M.P.F.S.

GO AROUND
Power – Full
Carb Heat – Off
Positive Rate Climb
Flaps – Retract Slowly

AFTER LANDING

Flaps – Up
Carb Heat – Off
Strobes – Off
Landing Light – Off
Taxi Light – As Req.
Pitot Heat – Off
Mixture – As Req.
Trim – Takeoff
XPDR – STBY

SECURING

ELT – Verify Silent
Avionics – Off
Mixture – Full Lean
Mags – Off
Master – Off
Lights – Off
Hobbs / Tach Time
Control Lock
Chocks
Tie Downs
Pitot Cover
Cabin Doors

Close Flight Plan

* *Adjust Speed As Needed For Conditions*

Vr • Rotation Speed –	50 (58)	Vs_0 • Stall with Flaps –	35 (40)	Va • Max Abrupt (1470 lbs) –	98 (113)	Vfe • Flaps Extended –	85 (98)
Vx • Best Angle Climb –	55 (63)	Vs • Stall w/o Flaps –	40 (46)	Va • Max Abrupt (Full Gross) –	104 (120)	X Wind • Max Demo'd –	12 (14)
Vy • Best Rate Climb –	67 (77)	Best Glide (1470 lbs) –	56 (64)	Vno • Max Structural Cruise –	111 (128)		
		Best Glide (Full Gross) –	60 (69)	Vne • Never Exceed –	149 (171)		

	KNOTS (MPH)	FLAPS °	– NOTES –
DEPARTURE			
Rotation *	50 (58)	0	Short Field w/ Obstacle: 10° Flaps. Climb 54 (62) Until Clear.
Best Angle Climb	55 (63)	0	Soft or Short Field w/o Obstacle: 10° Flaps.
Best Rate Climb	67 (77)	0	
CRUISE (TAS -5,000')			
Economy	85 (98)	0	2150 RPM – 4.7 GPH – 55%
Normal	92 (106)	0	2300 RPM – 5.4 GPH – 65%
Maximum	99 (114)	0	2450 RPM – 6.2 GPH – 75%
ARRIVAL			
Approach	70 (81)	10-20	1700 RPM *(Initially)*
Short Final *	55 (63)	30	Idle-1200 RPM

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.