

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

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.

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

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

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.

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

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

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

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!

CRUISE

Power
Mixture
Instruments
H.I. To Compass

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

Close Flight Plan

* Adjust Speed
As Needed For
Conditions

Vr • Rotation Speed - 50 (58)

V_{SO} • 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)
Best Angle Climb 55 (63)
Best Rate Climb 67 (77)

0
0
0

Short Field w/ Obstacle: 10° Flaps. Climb 54 (62) Until Clear.
Soft or Short Field w/o Obstacle: 10° Flaps.

CRUISE (TAS-5,000')

Economy 85 (98)
Normal 92 (106)
Maximum 99 (114)

0
0
0

2150 RPM - 4.7 GPH - 55%
2300 RPM - 5.4 GPH - 65%
2450 RPM - 6.2 GPH - 75%

ARRIVAL

Approach 70 (81)
Short Final * 55 (63)

10-20
30

1700 RPM (Initially)
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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VERTICAL SCALE = NAUTICAL MILES PER INCH:

WAC = 14

SEC = 7

TAC = 3.5

NOS = 12

JEPP = 15

ELA = 12

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