



Piper PA30 Checklist

Start

Pax Briefing.....COMPLETE
 Brakes.....SET
 Circuit Breakers.....CHECK
 Alternators.....ON
 Cowl Flaps.....OPEN
 Avionics Master.....OFF
 Fuel Selectors.....ON MAINS
 Throttles.....SET FULL
 Props.....FORWARD
 Master.....ON
 Mixtures.....FULL RICH
 Elec Fuel Pumps.....ON UNTIL FUEL FLOW
 Elec Fuel Pumps.....OFF
 Throttles.....SET FOR IDLE
 Mixtures.....IDLE CUTOFF
 Magnetos.....ON
 Prop Area.....CLEAR
 -Starter.....ENGAGE
 -Mixture.....ADVANCE AS ENGINE STARTS
 -Throttle.....ADJUST
 -Oil Pressure.....CHECK
 -Vacuum.....CHECK
 -Mixture.....LEAN

*Repeat sequence for other engine.

Post Start

Engine RPM.....IDLE
 Wing Flaps.....RETRACT
 Landing Gear Light.....GREEN
 Rotating Beacon.....ON
 Mixture.....LEAN FOR TAXI
 Cabin Heater.....AS REQUIRED
 Avionics Master.....ON
 HSI & NAV.....CHECK +/-4
 ADF.....TEST
 H.I.....CHECK
 Fuel Selectors.....AUX
 Taxi.....GET CLEARANCE
 Brakes.....CHECK
 Instruments.....ROLLING CHECK
 Altimeter.....SET

Run-Up

Parking Brake.....SET
 Fuel Selector.....MAINS
 Mixtures.....RICH
 Props.....FORWARD
 Engine Temps.....CHECK GREEN
 Throttles.....1500 RPM
 Props.....CHECK FEATHER
 500 RPM MAX DECREASE
 Throttles.....2000 RPM
 Mixtures.....CHECK
 Mags.....CHECK LEFT & RIGHT
 MAX DROP 175 RPM
 MAX DIFF. 50 RPM
 Alternators.....CHECK
 Suction.....CHECK
 Oil Pressure.....CHECK
 Oil Temperature.....CHECK
 Throttles.....1000 RPM
 Mixtures.....LEAN FOR TAXI

Pre-Takeoff

Seat Belts.....SECURE
 Door.....LATCHED
 Controls.....FREE & CORRECT
 Fuel Selector.....MAINS
 Trim.....SET
 Flaps.....SET
 Quadrant Friction.....ADJUST
 Props.....FORWARD
 Compass/H.I./HSI.....CHECK
 Engine Gauges.....CHECK GREEN
 Fuel Pumps.....ON
 Pitot Heat.....AS REQUIRED
 Radios/NAV/ADF.....SET
 Transponder.....ON
 Takeoff Briefing.....V1 = 90 MPH
 Time.....RECORD
 Mixtures.....RICH



Piper PA30 Checklist

On Centerline

Localizer.....CHECK
 Altimeter..... CHECK +/- 50 FT
 HSI / H.I..... SET TO RWY HDG

Post Takeoff

Fuel Pressure..... CHECK
 Gear..... UP
 Flaps..... UP
 Throttle..... 25"
 Props.....2500 RPM

Cruise Flight

Throttle & Props.....AS PER POWER TABLE
 Fuel Pumps..... OFF
 Mixtures..... LEAN
 Cowl Flaps.....CLOSE

Pre-Landing

Seat Belts..... SECURED
 Fuel Pumps..... ON
 Mixtures..... RICH
 Fuel..... MAINS
 Gear.....DOWN under 150
 Flaps..... SET under 125
 Props..... FORWARD

Post-Landing

Flaps..... UP
 Fuel Pumps..... OFF
 Pitot Heat..... OFF
 Mixtures.....LEAN FOR TAXI
 Transponder.....STANDBY
 Heater..... FAN
 Cowl Flaps..... OPEN

Shutdown

Radio (121.5)..... OFF
 Avionics Master..... OFF
 Magnetos.....CHECK
 Throttles..... IDLE
 Mixtures..... CUT
 Magnetos..... OFF
 Lights..... OFF
 Heater..... OFF
 Master..... OFF

Airspeeds

(MPH)

Approach (No Flap).....	100
Approach (Full Flap).....	95
Approach (Short Field).....	90
Va (Maneuvering).....	162
Vlo (Gear).....	150
Vfe (Flap).....	125
Vmca (Minimum Control).....	90
Vx (Best Angle).....	90
Vy (Best Rate).....	112
Vyse (Best Single Rate).....	105
Vs (Clean Stall).....	76
Vso (Dirty Stall).....	69
Vne (Never Exceed).....	245
Vr (Rotation).....	90