



# Piper PA34 Checklist

## Pre-Takeoff at Hold-Short Line

Mixtures..... RICH  
 Props..... FORWARD  
 Radios/Nav Aids..... SET  
 Transponder..... ALT  
 Time..... RECORD  
 Switches/Lights..... AS REQUIRED  
 Auto-Pilot..... OFF  
 Pitot Heat..... AS REQUIRED  
 Ice Protection..... AS REQUIRED  
 Compass/HSI..... CHECK

## On Centerline

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

## Post Takeoff/ Climb

Undercarriage..... UP  
 Flaps..... UP  
 Climb Power..... SET  
 Lights..... AS REQUIRED/OFF  
 Auto Pilot..... SET

## Cruise Flight

Cruise Power..... AS PER POWER TABLE  
 Fuel Selectors..... ON  
 Mixtures..... LEAN  
 Switches..... AS REQUIRED  
 Cowl Flaps..... CLOSE  
 Trims..... SET

## Pre-Landing

Seat Backs..... UPRIGHT & LOCKED  
 Seat Belts/Shoulder Harness... FASTENED  
 Fuel Selectors..... ON  
 Cowl Flaps..... SET AS REQUIRED  
 Auxiliary Fuel Pumps..... OFF  
 Mixtures..... RICH  
 Props..... SET  
 Altimeter..... SET  
 Approach Briefing..... COMPLETE  
 Undercarriage..... DOWN under 150mph  
 Flaps..... SET AS REQUIRED  
 10° (First Notch) 160 MPH MAX  
 25° (Second Notch) 140 MPH MAX  
 40° (Third Notch) 125 MPH MAX  
 Autopilot..... OFF - Prior to landing  
 \*A/P not approved for greater than 25° flaps

## Post-Landing

Flaps..... UP  
 Cowl Flaps..... OPEN  
 Pitot Heat..... OFF  
 Anti-icing/De-icing Equipment..... OFF  
 Mixtures..... LEAN FOR TAXI  
 Transponder..... STANDBY  
 Heater..... FAN  
 Alternate Air..... OFF  
 Time..... RECORD

## Shutdown

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

## Airspeeds

	(MPH)
Approach (Full Flap).....	95 MPH
Approach (Short Field).....	87 MPH
Va (Maneuvering).....	140 MPH
Vle (Gear Extend).....	150 MPH
Vlr (Gear Retract).....	125 MPH
Vfe (40° Flap).....	125 MPH
Vmc (Minimum Control).....	72 MPH
Vx (Best Angle).....	90 MPH
Vy (Best Rate).....	105 MPH
Vyse (Best Rate Single Engine).....	105 MPH
Vs (Clean Stall).....	76 MPH
Vso (Dirty Stall).....	70 MPH
Vne (Never Exceed).....	224 MPH
Vr (Rotation Flaps Up).....	80 MPH

Max Takeoff Weight..... 4570 lbs  
 Max Landing Weight..... 4342 lbs

## Flight Into Known Icing Conditions

Inspect Ice Protection System Prior to Flight  
 Review AFM Prior to Flight in Icing Conditions  
 Avoid Forecast Icing when Possible  
 When in Cloud..... MONITOR OAT TEMP  
 Windshield Defroster/Pitot Heat..... ON  
 (Turn on Before Entering Icing Conditions)  
 Propeller Heat/ Windshield Heat..... On  
 (Turn on Upon Entering Icing Conditions)  
 Cycle Boots..... AS REQUIRED (1/4" - 1/2")