

Piper Cherokee 140 N41357

Engine: Lycoming O-320-E3D 160HP. Normally aspirated, carburetor, horizontally opposed, oil and air cooled.

Prop: Fixed Pitch

Fuel: 100LL with 50 gal (49 useable), 25 gals in each wing. Tabs are 36 gals. Fuel selector located on left side panel forward of pilot's seat. Engine mechanical fuel pump and an electrical fuel pump.

Oil: 20W50 winter, W100 summer. Max 8qts. Min 4qts

Max Baggage: 200lbs

Max Gross Weight: 2150lbs **Max Utility Weight:** 1950

Electrical: 12V battery with 60Amp alternator. Can be jumped through plug by the baggage door.

Struts: Air-Oil Type.

Brakes: Toe brakes, Hydraulic disc brakes. Reservoir to refill fluid is on firewall under cowl.

Heat: Heater muff attached to the exhaust system. Controls are on the far right panel (copilot side). Heat and air outlet is located on the side panel near the floor for each seat.

Starting the engine: Do **NOT** pump the throttle while turning over the engine. This will result in possible engine fire. Fuel pump is ON for starts. If cold (Summer), use three primer pumps and one pump of the throttle, then start. If cold (below 40deg F), use five primer pumps and one to two pumps on the throttle, then start. Follow checklist.

Airspeeds:

Vx: 66kts **Enroute Climb:** 90kts **Vrot:** 50-55kts (55+ recommended)

Vy: 75kts **Vbestglide:** 70kts **Vflapextended_max:** 101kts

Vapproachfinal: 60-65kts **Max Crosswind:** 17kts

Power Settings Cruise @ 75% power (recommended):

2000ft: 2440 RPM **4000ft:** 2500 RPM

3000ft: 2460 RPM **5000ft:** 2500 RPM

75% pwr = 10gal/hr