

Piper Cherokee 180D

Cherokee N7783N



Before Start

Pre-Flight.....Complete
Pass Briefing.....Complete
Seat Belts.....Set
Brakes.....Tested
Circuit Breakers.....All In
Elec. Equip.....Off
Avionics Master.....Off
Carb. Heat.....Off
Fuel Selector.....Desired Tank

Engine Start

Brakes.....Set
Throttle.....1/4" Open
Prime.....As Needed
Primer.....Locked
Master.....On
Beacon.....On
Fuel Pump.....On
Mixture.....Rich
Prop Area.....Clear
Ignition.....Start
Throttle.....1000RPM
Oil Pressure.....Check
Fuel Pressure.....Check
Mixture.....Lean
Avionics.....On
Transponder.....Alt
Fuel Pump.....Off

Pre Taxi

Taxi Area.....Clear
Airport Diagram.....Check
Taxi Lights.....On
Brakes.....Check
Instrument Test.....Check

Run Up

Brakes.....Set
Seat Belts.....Check
Blast Area.....Clear
Cabin Door.....Latched
Flight Controls.....Check
Trim Wheel.....Set Takeoff
Throttle.....1800 RPM
Mixture.....Adjust
Flight Instruments.....Check
Vacuum Gauge.....4.9-5.1" Hg
Oil Temp.....Check
Oil Pressure.....Check
Magnetos.....Check
..(125 RPM max/50 RPM Max diff)
Carb. Heat.....Check
Annunciator.....Check

Pre Takeoff Vr 70MPH

Airspeed (Vy).....85MPH
Airspeed (Vx)Flaps 25°.....74MPH
Fuel Pump.....On
Fuel Pressure.....Check

Climb

Flaps.....As Req.
Fuel Pump.....On
Fuel Selector.....Fulltest Tank
Lights.....As Req.
Lean.....As Req.
Cruise Climb Speed.....100MPH

Cruise

Fuel Pump.....Off
Fuel Pressure.....Check
Mixture.....Lean

Pre-Landing

Seatbelts.....On
Landing light.....On
Fuel Pump.....On
Mixture.....Rich
Carb Heat.....As Req.
Fuel Selector.....Fulltest Tank
Flaps.....As Req.
0° Approach **85 MPH**
40° Approach **76 MPH**

GUMPS - Gas Undercarriage Mixture Prop
Switches/Seatbelts

After Landing

Flaps.....Up/Retract
Carb Heat.....Off
Fuel Pump.....Off
Landing light.....As Req.
Taxi lights.....On
Strobes.....Off
Mixture.....Lean as Req.

Securing the Plane

ELT (121.5).....Check
Lights (Except Beacon).....Off
Avionics.....Off
Throttle.....Cut-Off
Mixture.....Idle
Ignition.....Off
Master Switch.....Off
Flight Controls.....Locked
Hobbs/Tach.....Record
Sun Shade.....Check
Engine Covers.....Check
Doors.....Locked
Tie Down/Chalks.....Check

Additional Information

Vr **60MPH** VNO **140MPH**
Vy **85MPH** VNE **172MPH**
Vx **74MPH** VG **80MPH**
VFE **115MPH** Vs0 **57MPH**
VA **129MPH** Vs1 **67MPH**

	Short Field Takeoff	Soft Field Takeoff
	25° of Flaps (2 nd Notch)	25° of Flaps (2 nd Notch)
	60MPH until clear of obstacle	Ground effect then climb out at 60MPH
CRUISE	RPM	KNOTS Fuel
2,000 FT	2540 RPM	132 MPH 9.0 GPH
4,000 FT	2580 RPM	136 MPH 9.0 GPH
6,000 FT	2620 RPM	142 MPH 9.0 GPH
8,000 FT	2600 RPM	137 MPH 9.0 GPH

Wx: 208-388-4640/123.9
Clearance: 125.9
Ground: 121.7
Tower: 118.1/119.0 (secondary)
Big Sky: <15NM 119.6/125.5
>15NM 126.9

EMERGENCY PROCEDURES FOUND ON OTHER SIDE