

Piper Archer II 181

Cherokee N2085V



FORBES
AVIATION

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 (No >5secs)
 Throttle.....1000RPM
 Oil Pressure.....Check
 Fuel Pressure.....Check
 Mixture.....Lean
 Avionics.....On
 Transponder.....Alt/1200
 Fuel Pump.....Off

Pre Taxi

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

Run Up

Brakes.....Set
 Blast Area.....Clear
 Cabin Door.....Latched
 Flight Controls.....Check
 Trim Wheel.....Set Takeoff
 Mixture.....Rich
 Throttle.....2000 RPM
 Flight Instruments.....Check
 Vacuum Gauge.....4.9-5.1"Hg
 Oil Temp/Pressure.....Check
 Magnetos.....Check
 ..(175 RPM max/50 RPM Max diff)
 Carb. Heat.....Check
 Annunciator.....Check
 Throttle.....800-1000RPM
 Mixture.....Lean

Pre Takeoff (Vr ~60)

Airspeed (Vy).....76KIAS
 Airspeed (Vx)Flaps 25°...64KIAS
 Mixture.....Rich
 Fuel Pump.....On
 Fuel Pressure.....Check

Climb (87KIAS)

Flaps.....As Req.
 Fuel Pump.....On
 Fuel Selector.....Fullest Tank
 Mixture.....Lean as Req
 Lights.....As Req.

Cruise

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

Pre-Landing

Fuel Pump.....On
 Mixture.....Rich
 Seatbelts.....On
 Landing light.....On
 Carb Heat.....As Req.
 Fuel Selector.....Fullest Tank
 Flaps.....As Req.

0° Approach **76 KIAS**

40° Approach **66 KIAS**

GUMPS - Gas Undercarriage Mixture

Prop Switches

After Landing

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

Securing the Plane

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

Additional Information

Vr **60KIAS** VNO **125KIAS**
 Vy **76KIAS** VNE **154KIAS**
 Vx **64KIAS** VG **76KIAS**
 VFE **102KIAS** Vs0 **49KIAS**
 VA **113KIAS** Vs1 **55KIAS**

Short Field Takeoff Soft Field Takeoff
 25° of Flaps (2nd Notch) 25° of Flaps (2nd Notch)
64KIAS until clear of obstacle Ground effect then climb out at **76KIAS**

CRUISE	RPM	KNOTS	Fuel
2,000 FT	2350 RPM	106 KIAS	9.0 GPH
4,000 FT	2400 RPM	108 KIAS	9.0 GPH
6,000 FT	2450 RPM	112 KIAS	9.0 GPH
8,000 FT	2500 RPM	117 KIAS	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