

Piper Archer II 181

Cherokee N2171Y



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 >10secs)
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.....2000 RPM
Mixture.....Adjust
Flight Instruments.....Check
Vacuum Gauge.....4.9-5.1"Hg
Oil Temp.....Check
Oil Pressure.....Check
Magnetos.....Check
..(175 RPM max/50 RPM Max diff)
Carb. Heat.....Check
Annunciator.....Check

Pre Takeoff (Vr ~60)

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

Climb

Flaps.....As Req.
Fuel Pump.....On
Fuel Selector.....Fullest Tank
Mixture.....Lean as Req
Lights.....As Req.
Cruise Climb Speed.....87KIAS

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.....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.
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 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 (2 nd Notch)	25° of Flaps (2 nd Notch)
	64KIAS until clear of obstacle	Ground effect then climb out at 76KIAS
CRUISE	RPM	KNOTS
2,000 FT	2350 RPM	106 KIAS
4,000 FT	2400 RPM	108 KIAS
6,000 FT	2450 RPM	112 KIAS
8,000 FT	2500 RPM	117 KIAS
		Fuel
		9.0 GPH
		9.0 GPH
		9.0 GPH
		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