

NORMAL TAKEOFF

Flaps 0°-20°
Carb Heat COLD
Throttle Full open/2400 RPM
Elevator LIFT NOSE at 50KTS
Climb Spd 70kts (flaps 20°) 80kts (flaps UP)
Flaps Retract

SHORT FIELD TAKEOFF

Flaps. 20°
Carb Heat COLD
Brakes Apply
Throttle Full open/2400 RPM
Brakes Release
Elevator Slightly Tail Low
Climb Spd 59 KTS (until clear of obstacles)
Flaps Retract slowly >70KTS

NORMAL LANDING

Airspeed 70-80 KTS (flaps up)
Flaps. 10° (<140 KTS) 10°-40° (<95 KTS)
Airspeed 60-70 KTS (flaps down)

SHORT FIELD LANDING

Airspeed 70-80 KTS (flaps up)
Flaps 40° <90 KTS
Airspeed 61 KTS
Power IDLE after clearing obstacles

GO AROUND

Throttle Full Open/2400 RPM
Carb Heat COLD
Flaps Retract to 20°
Climb Spd 55KTS (until obstacles cleared)
Flaps Retract slowly after 70 KTS & safe alt.
Cowl Flaps Open

Teledyne Continental O470-U 230 HP 6cyl.
Wingspan 36'
Length 28'
Height 9'3"
Fuel 2 x 46 gal. (88 usable)
Oil 9-12 qts (12qts capacity)

WEIGHTS

Useful load 1299
Max Ramp 3110
Max T/O 3100
Max LDG 2950
Max Baggage 200 (areas B&C=80)

SPEEDS

Va. 111kts-88kts (3100-2000lbs)
Vfe 10°=140 kts 40°=95 kts
Vno 143kts
Vne 179kts
Vy 81kts
Vx 59kts
Best glide [flaps up]
76kts – 3100lbs
61kts – 2000 lbs
Max Dem'strd X-wind: 15kts

**RECORD YOUR
TACH TIME IN
BLUE BOOK**



LIMITATIONS/USE:

Service ceiling: 14,900'
No aerobatics, spins, or >60degrees
(Normal category)

Fuel Takeoff and Land with fuel selector in BOTH. Use of LEFT or RIGHT is limited to level flight only.

Baggage Max 200 lbs total. Max 120 lbs fwd of door latch, max 80 lbs aft of door latch

Flaps Takeoff: 0°-20°. Lndg: 0°-40°

PRE-HEAT TEMP: 32°F (2hrs prior)



PREFLIGHT

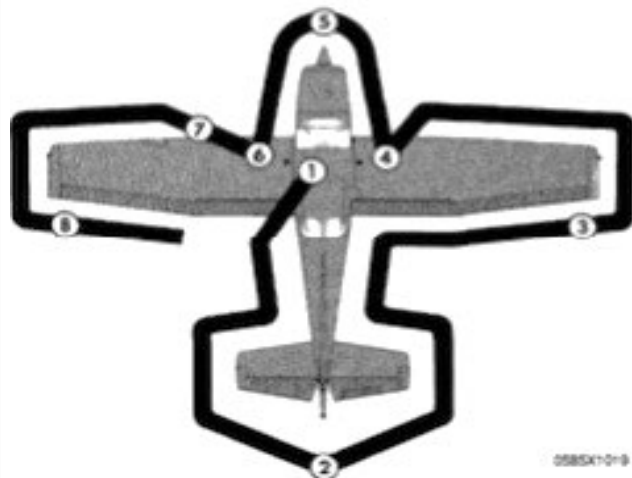
INTERIOR

Note: Use only clean Microfiber towels on glass

- A** - Airworthiness Certificate
- R** - Registration
- R** - Radio License (req'd for int'l ops)
- O** - Operating Limitations (POH)
- W** - Weight & Balance
- POH - on board
- Cowl Flaps - OPEN
- Gust Lock - remove
- Ignition Key - out
- Avionics Master Switch - OFF
- Master Switch - ON
- Fuel Qty - check
- Avionics cooling fan - check (sound)
- Fuel Selector Valve – BOTH
- Alt Static Source Valve – OFF
- Exterior lights - check
- Master Switch – OFF

EXTERIOR

- Tie downs – DISCONNECT
- Empennage - CHECK
- Control Surfaces - CHECK, free and secure
- Right Aileron - CHECK secure/condition
- Tires and Brakes - CHECK inflation/wear
- Fuel Tank Vent – CHECK clear
- Fuel sumps - DRAIN & inspect
- Fuel Qty & Filler Cap - CHECK Qty & secure
- Static ports (both sides fuselage) - check
- Engine Cooling Inlets - CLEAR
- Prop, Spinner - CHECK nicks, secure, oil leaks
- Landing Lights - CHECK
- Carb Air inlet - CHECK for restrictions
- Nose Strut & Tire - CHECK inflation & condition
- Oil Dipstick - CHECK Qty [9-12 qts] & condition
- Fuel Strainer Knob - pull/drain 4 secs - check for water
- Left Wing - *same as right plus:*
 - Pitot Cover - remove
 - Stall Warning Operation - CHECK horn



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