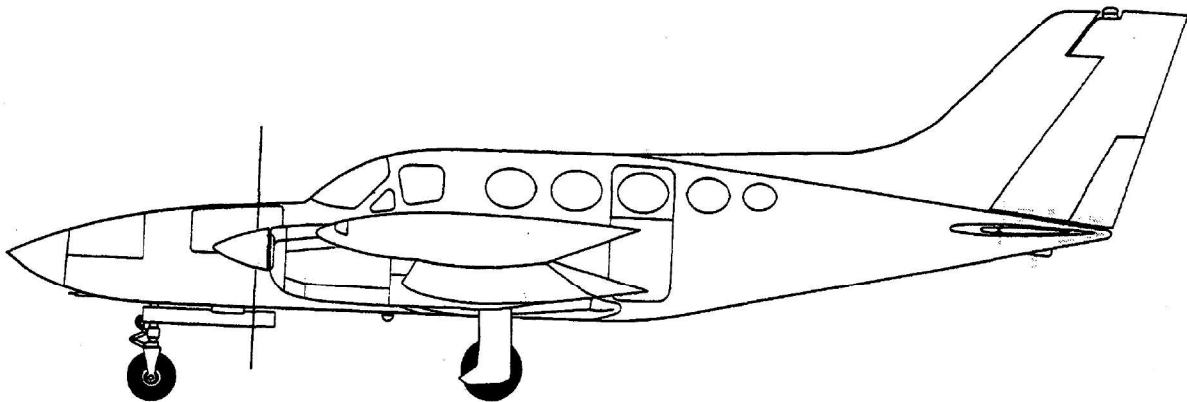


Cessna®
MODEL

421B

FAA APPROVED

AIRCRAFT FLIGHT MANUAL



IMPORTANT

This manual is applicable to aircraft serial numbers 421B0501 thru 421B0800 and is identified by Part Number D6005-13. This number, which insures proper manual assembly, appears directly above the page number on each page of the manual.

REVISION
NOTICE

LATEST REVISED PAGES SUPERSEDE
THE SAME PAGES OF PREVIOUS DATE
Insert revised pages into basic publication
Destroy superseded pages.

C. BEFORE TAKEOFF:

1. Engine Runup:
 - a. Throttles - 1500 RPM
 - b. Alternators - CHECK
 - c. Vacuum System - CHECK (4.75 to 5.25 in. Hg.)
 - d. Magnetos - CHECK (100 RPM max. drop with max. of 50 RPM diff.) [do not check magnetos above 1950 RPM in the yellow arc]
 - e. Propellers - EXERCISE (to 1000 RPM)
 - f. Engine Instruments - CHECK green arc
2. Flight Instruments and Radios - SET
3. Lights - AS REQUIRED
4. Fuel Quantity - CHECK
5. Wing Flaps - UP
6. Fuel Selectors - RECHECK
7. Trim Tabs - SET
8. Alternate Air Controls - IN
9. Cabin Pressurization Switch - PRESSURIZE
10. Flight Controls - CHECK
11. Annunciator Panel - CLEAR
12. Auxiliary Fuel Pumps - ON

D. NORMAL TAKEOFF:

1. Engine Power - 2275 RPM and 39.5 in. Hg.
2. Elevator Control - Raise Nose Wheel at 100 KIAS
3. Minimum Control Speed 87 KIAS
4. Break Ground and Climb Out - 106 KIAS

E. AFTER TAKEOFF:

1. Landing Gear - RETRACT
2. Max. Climb Power - 2275 RPM and 39.5 in. Hg.
3. Best Rate of Climb Speed - 110 KIAS
4. Normal Climb Power - 1950 RPM and 32.5 in. Hg.
(Avoid continuous operation in the yellow arc)
5. Normal Climb Speed - 115 to 140 KIAS
6. Auxiliary Fuel Pumps - ON
7. Cabin Pressurization - SET (Optional System)
 - a. Cabin Altitude Control - SET (Max. diff. altitude equal to cruise altitude plus 500 ft.)
 - b. Cabin Rate Control - SET

PERFORMANCE

The following performance figures may be realized under the conditions indicated with aircraft and engines in good condition and average piloting technique. Takeoff performance is based on 7450 pounds and landing performance is based on 7200 pounds. Takeoff and landing distances are based on level, paved runways, and zero wind conditions.

In using the following data, allowance for actual conditions must be made.

TAKEOFF DISTANCE

**DISTANCE REQUIRED TO TAKEOFF AND CLIMB TO 50
FEET, FLAPS UP, MAXIMUM CONTINUOUS POWER
TAKEOFF SPEED 104 KCAS - 106 KIAS**

Altitude Feet	OUTSIDE AIR TEMPERATURE					
	-25° F	0° F	25° F	50° F	75° F	100° F
S. L.	1530	1768	2010	2350	2795	3420
2000	1690	1962	2200	2590	3145	3930
4000	1895	2186	2525	2945	3580	4550
6000	2125	2444	2845	3350	4055	5315
8000	2360	2745	3190	3790	4670	6460

TAKEOFF DISTANCE - FEET

LANDING DISTANCE

**DISTANCE REQUIRED TO LAND OVER A 50 FOOT OBSTACLE AND STOP
FLAPS EXTENDED 45°, POWER OFF,
APPROACH AT 101 KCAS - 103 KIAS**

Altitude Feet	OUTSIDE AIR TEMPERATURE					
	-25° F	0° F	25° F	50° F	75° F	100° F
S. L.	2060	2096	2130	2165	2200	2235
2000	2110	2144	2181	2220	2258	2294
4000	2157	2197	2238	2277	2317	2357
6000	2214	2254	2300	2340	2383	2427
8000	2270	2317	2362	2410	2457	2503

LANDING DISTANCE - FEET

NORMAL CLIMB

**MAXIMUM CONTINUOUS POWER,
FLAPS AND GEAR UP,
CLIMB AT 108 KCAS**

Altitude Feet	OUTSIDE AIR TEMPERATURE					
	-25°F	0°F	25°F	50°F	75°F	100°F
S. L.	2740	2460	2200	1940	1685	1432
2000	2580	2308	2050	1795	1545	1298
4000	2415	2150	1900	1645	1400	1160
6000	2260	1998	1750	1505	1260	1025
8000	2105	1853	1610	1365	1130	890

R/C - FEET/MINUTE

BALKED LANDING CLIMB

**MAXIMUM CONTINUOUS POWER,
GEAR DOWN, FLAPS 45°,
CLIMB AT 82 KCAS**

Altitude Feet	OUTSIDE AIR TEMPERATURE					
	-25°F	0°F	25°F	50°F	75°F	100°F
S. L.	1399	1269	1138	1014	892	774
2000	1290	1167	1040	919	802	687
4000	1186	1066	941	824	710	600
6000	1078	964	846	734	622	514
8000	974	866	754	650	548	444

R/C - FEET/MINUTE