



YOUR 1961 CESSNA

182D

AND

Skyline

OWNER'S MANUAL



PERFORMANCE and SPECIFICATIONS

	182	SKYLANE
GROSS WEIGHT	2650 lbs.	2650 lbs.
SPEED:		
Maximum at Sea Level	167 mph	170 mph
Maximum Recommended Cruise	157 mph	160 mph
70% Power at 8,000 ft.		
RANGE:		
Maximum Recommended Cruise	660 mi.	675 mi.
70% Power at 8,000 ft.	4.2 hr.	4.2 hr.
55 Gallons, No Reserve	157 mph	160 mph
Maximum Range at 10,000 ft.	835 mi.	845 mi.
55 Gallons, No Reserve	7.1 hr.	7.1 hr.
	118 mph	120 mph
RATE OF CLIMB AT SEA LEVEL	1030 fpm	1030 fpm
SERVICE CEILING	19,800 ft.	19,800 ft.
TAKE-OFF:		
Ground Run	555 ft.	555 ft.
Total Distance Over 50-foot Obstacle	1080 ft.	1080 ft.
LANDING:		
Landing Roll	560 ft.	560 ft.
Total Distance Over 50-foot Obstacle	1310 ft.	1310 ft.
EMPTY WEIGHT (Approximate)	1530 lbs.	1615 lbs.
BAGGAGE	120 lbs.	120 lbs.
WING LOADING: Pounds/Square Foot	15.1 lbs.	15.1 lbs.
POWER LOADING: Pounds/HP	11.5 lbs.	11.5 lbs.
FUEL CAPACITY: Total	65 gal.	65 gal.
OIL CAPACITY: Total	12 qts.	12 qts.
POWER:		
Continental O-470-L Engine, 230 rated HP at 2600 RPM		

Additional copies of this manual \$1.00

TAKE - OFF DATA

TAKE-OFF DISTANCE WITH 20° FLAPS FROM HARD SURFACE RUNWAY.



GROSS WEIGHT LBS.	HEAD WIND MPH	AT SEA LEVEL & 59°F.		AT 2500 FT. & 50°F.		AT 5000 FT. & 41°F.		AT 7500 FT. & 32°F.	
		GROUND RUN	TO CLEAR 50' OBSTACLE	GROUND RUN	TO CLEAR 50' OBSTACLE	GROUND RUN	TO CLEAR 50' OBSTACLE	GROUND RUN	TO CLEAR 50' OBSTACLE
2100	0	335	715	390	810	465	935	560	1100
	15	185	465	225	540	270	625	330	745
	30	75	260	95	305	125	365	160	450
2400	0	440	895	525	1040	630	1210	770	1465
	15	255	600	310	700	380	835	475	1020
	30	115	350	150	420	190	510	245	640
2650	0	555	1080	665	1260	790	1500	965	1835
	15	330	735	405	865	490	1050	655	1345
	30	160	445	205	535	255	665	335	845

Note: Increase distances 10% for each 25°F above standard temperature for particular altitude.

CLIMB DATA



GROSS WEIGHT LBS.	AT SEA LEVEL & 59°F.			AT 5000 FT. & 41°F.			AT 10000 FT. & 23°F.			AT 15000 FT. & 5°F.			AT 20000 FT. & -12°F.		
	BEST CLIMB IAS MPH	RATE OF CLIMB FT/MIN	GAL. OF FUEL USED	BEST CLIMB IAS MPH	RATE OF CLIMB FT/MIN	From SL FUEL USED	BEST CLIMB IAS MPH	RATE OF CLIMB FT/MIN	From SL FUEL USED	BEST CLIMB IAS MPH	RATE OF CLIMB FT/MIN	From SL FUEL USED	BEST CLIMB IAS MPH	RATE OF CLIMB FT/MIN	From SL FUEL USED
2100	87	1470	1.5	82	1200	2.8	78	925	4.3	73	655	6.2	68	385	9.0
2400	88	1210	1.5	84	960	3.1	80	710	5.0	76	460	7.6	71	210	12.0
2650	90	1030	1.5	86	795	3.5	83	560	5.9	78	325	9.3	74	90	17.1

Note: Flaps up, full throttle and 2600 RPM. Mixture leaned for smooth operation above 5000 ft. Fuel used includes warm-up and take-off allowance.

Figure 6-2. Take-Off and Climb Chart