

PLACARDS:

1. THIS AIRPLANE MUST BE OPERATED AS A NORMAL OR UTILITY CATEGORY AIRPLANE IN COMPLIANCE WITH THE FLIGHT MANUAL.

- NORMAL -

NO ACROBATIC MANEUVERS INCLUDING SPINS APPROVED,

- UTILITY -

NO ACROBATIC MANEUVERS APPROVED EXCEPT THOSE LISTED IN THE FLIGHT MANUAL. BAGGAGE COMPARTMENT AND REAR SEAT MUST NOT BE OCCUPIED.

2. FLAPS - PULL TO EXTEND.

TAKE-OFF	-	RETRACTED	0°
		1st NOTCH	20°
LANDING	-	2nd NOTCH	30°
		3rd NOTCH	40°

3. MAXIMUM BAGGAGE 120 LBS. FOR ADDITIONAL LOADING INSTRUCTIONS SEE WEIGHT AND BALANCE DATA.

4. BOTH TANKS ON FOR TAKE-OFF & LANDING.

PERFORMANCE INFORMATION - Model 170B Landplane

The following operational data are compiled from actual tests with airplane and engine in good condition and using average piloting technique. Data are based upon a gross weight of 2200 pounds and full throttle for take-off and climb. Performance figures are for zero wind velocity and hard surface level runway. Speeds are true indicated airspeeds.

STALLING SPEED		CONDITION	ANGLE OF BANK DEGREES			
MPH	T.I.A.S.		0°	20°	40°	60°
Stall warning provided by indicator.		Power Off; Flaps Up	58	60	66	82
		Power Off; Flaps 20°	54	55	61	75
		Power Off; Flaps 40°	52	54	59	73

ITEM	ALTITUDE	OUTSIDE AIR TEMPERATURE					
		0°F	20°F	40°F	60°F	80°F	100°F
Landing Distance* (Feet) to land over 50 Ft. obstacle at 67 mph TIAS approach (Roll 40% distance shown.) Flaps 40°	Sea Level	1035	1070	1110	1145	1180	1215
	2000 Ft.	1100	1140	1175	1210	1245	1280
	4000 Ft.	1165	1205	1240	1280	1315	1350
	6000 Ft.	1235	1270	1310	1345	1380	1415
	7000 Ft.	1270	1305	1345	1380	1415	1450

FOR McCAULEY PROPELLER

Take-Off Distance* (Feet) to clear 50 Ft. Obstacle at 76 mph TIAS (Ground run approx. 40% distance shown.) Flaps Up	Sea Level	1460	1580	1700	1820	1930	2050
	2000 Ft.	1780	1910	2050	2190	2340	2500
	4000 Ft.	2140	2290	2450	2610	2790	3000
	6000 Ft.	2550	2740	2930	3140	3360	3620
	7000 Ft.	2820	3040	3260	3500	3750	4040
Take-Off Distance* (Feet) to clear 50 Ft. Obstacle at approx. 67 mph TIAS (Ground run approx. 38% distance shown.) Flaps 20°	Sea Level	1230	1350	1480	1625	1795	1995
	2000 Ft.	1540	1690	1860	2050	2250	2450
	4000 Ft.	1920	2110	2340	2580	2855	3140
	6000 Ft.	2450	2720	3000	3300	3620	3990
	7000 Ft.	2780	3100	3420	3735	4080	4455
Normal Rate Of Climb Feet per min. Flaps Up	Best 89	Sea Level	760	740	715	690	670
	Climb 86	2000 Ft.	670	645	625	600	585
	Speed 84	4000 Ft.	580	555	535	510	485
	TIAS 81	6000 Ft.	490	465	440	420	395
	79	7000 Ft.	445	420	395	370	345

FOR SENSENICH PROPELLER

Take-Off Distance* (Feet) to clear 50 Ft. obstacle at 76 mph TIAS (Ground run approx. 45% distance shown.) Flaps Up	Sea Level	1610	1750	1890	2020	2160	2300
	2000 Ft.	1940	2100	2260	2420	2590	2760
	4000 Ft.	2360	2550	2750	2960	3180	3410
	6000 Ft.	2900	3150	3425	3715	4035	4380
	7000 Ft.	3220	3520	3840	4200	4580	5030
Take-Off Distance* (Feet) to clear 50 Ft. obstacle at approx. 67 mph TIAS (Ground run approx. 437 distance Shown.) Flaps 20°	Sea Level	1357	1495	1645	1800	2010	2240
	2000 Ft.	1680	1860	2050	2275	2490	2709
	4000 Ft.	2120	2350	2625	2925	3255	3560
	6000 Ft.	2785	3125	3510	3900	4345	4825
	7000 Ft.	3180	3590	4030	4480	4935	5550
Normal Rate Of Climb Feet per min. Flaps Up	Best 88	Sea Level	755	725	695	660	630
	Climb 86	2000 Ft.	650	620	590	560	530
	Speed 84	4000 Ft.	550	520	485	455	425
	TIAS 82	6000 Ft.	445	415	385	355	320
	81	7000 Ft.	395	365	330	300	270

*Landing and take-off correction: Reduce distances approximately 10% for each 6 MPH wind velocity.

DATE Sept. 28, 1950.
DATE Nov. 26, 1951

Approved W. H. W. [Signature]
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