

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 & BALANCE DATA.

4. REAR SEAT MAXIMUM 340 LBS. WITH 340 LBS. IN FRONT SEATS REAR CAPACITY IS ____ LBS.

5. BOTH TANKS ON FOR TAKE-OFF AND LANDINGS.

6. RETRACT WATER RUDDER FOR TAKE-OFFS AND LANDINGS.

7. INTENTIONAL SPINS PROHIBITED.

PERFORMANCE INFORMATION - Model 170B Seaplane

The following operational data are compiled from actual tests with airplane and engine in good condition and using average piloting technique. All performance is given for 2106 pounds gross weight and with zero wind velocity and zero current. Take-off and climb performance figures given below were obtained using a McCauley propeller with a static R. P. M. of 2350. Performance will be improved using a propeller with a higher static R. P. M.

Both take-off and landing distances should be reduced approximately 10% for each 6 mph wind velocity.

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

ITEM	ALTITUDE	OUTSIDE AIR TEMPERATURE - °F.				
		20°F.	40°F.	60°F.	80°F.	100°F.
Flaps 20° Landing Distance (Feet) To land over 50 foot Obstacle at 69 mph TIAS Approach (Water run Approx. 35% Distance shown).	Sea Level	1440	1480	1525	1570	1610
	2000 Ft.	1520	1570	1610	1655	1700
	4000 Ft.	1605	1650	1700	1745	1790
	6000 Ft.	1695	1740	1785	1830	1875
	7000 Ft.	1735	1780	1830	1875	1920
Flaps Up Take-Off Distance (feet) to clear 50 Ft. obstacle at 75 mph TIAS (Water run Approx. 60% Distance shown.).	Sea Level	2620	2830	3020	3220	3420
	2000 Ft.	3240	3500	3750	4000	4270
	4000 Ft.	3980	4320	4650	4980	5300
	6000 Ft.	4930	5360	5780	6200	6620
	7000 Ft.	5620	6100	6610	7140	7670
Flaps 20° Take-Off Distance (feet) to clear 50 Ft. obstacle at 67 mph TIAS (Water run Approx. 60% Distance shown.).	Sea Level	2240	2460	2700	3000	3325
	2000 Ft.	2865	3180	3510	3845	4190
	4000 Ft.	3665	4125	4600	5095	5550
	6000 Ft.	4895	5490	6070	6680	7300
	7000 Ft.	5735	6400	7050	7770	8465
Flaps Up Normal Rate of Climb Feet per Minute	Best Climb	73				
	Speed	72				
	TIAS	71				
		70				
		70				

DATE Oct 29, 1951

Approved Wm. H. Weeks
Chief, Aircraft Division

DATE Nov. 26, 1951

Approved Wm. H. Weeks
Chief, Aircraft Division