

# PERFORMANCE INFORMATION - LANDPLANE.

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 1500 POUNDS GROSS WEIGHT WITH ZERO WIND VELOCITY AND HARD SURFACE LEVEL RUNWAY. TAKE-OFF AND CLIMB PERFORMANCE FIGURES GIVEN BELOW ARE MINIMUM VALUES OBTAINED FOR A WOOD PROPELLER WITH A LOW STATIC RPM (1900). THESE PERFORMANCE FIGURES WILL BE IMPROVED USING A WOOD PROPELLER WITH A HIGHER STATIC RPM OR A McCAULEY PROPELLER.

STALLING SPEED	CONDITION	ANGLE OF BANK DEGREES			
MPH T.I.A.S. NO STALL WARNING IS EVIDENT		0°	20°	40°	60°
	POWER OFF; FLAPS UP	53	55	60.5	75
	POWER OFF; FLAPS DOWN	51	52.5	58	72

THE ABOVE STALLING SPEEDS ARE GIVEN FOR MOST REARWARD CENTER OF GRAVITY. WITH NORMAL LOADINGS, THE AIRPLANE IS UNSTALLABLE.

ITEM			ALTITUDE	OUTSIDE AIR TEMPERATURE					
				0°F	20°F	40°F	60°F	80°F	100°F
FLAPS DOWN	LANDING DISTANCE* (FEET)		SEA LEVEL	1380	1430	1480	1530	1580	1625
	TO LAND OVER 50 FOOT		2000 FT.	1470	1520	1570	1620	1670	1720
	OBSTACLE AT 67 MPH TIAS		4000 FT.	1560	1610	1660	1710	1760	1810
	APPROACH SPEED. (GROUND		6000 FT.	1650	1700	1750	1800	1850	1900
	ROLL APPROX. 30% DIS-								
FLAPS UP	TAKE-OFF DISTANCE* (FEET)		SEA LEVEL	1440	1570	1700	1830	1960	2100
	TO CLEAR 50 FT.		2000 FT.	1750	1900	2050	2210	2390	2580
	OBSTACLE AT 69 MPH TIAS		4000 FT.	2120	2320	2540	2760	3020	3330
	(GROUND RUN APPROX. 30%		6000 FT.	2650	2920	3220	3570	4100	4750
	DISTANCE SHOWN.)								
FLAPS UP	NORMAL RATE	BEST	77	SEA LEVEL	700	660	620	585	550
	OF CLIMB	CLIMB	75	2000 FT.	590	550	515	475	440
	FEET PER	SPEED	72	4000 FT.	480	440	400	360	320
	MINUTE	TIAS	70	6000 FT.	365	325	290	250	210
									175

\* BOTH TAKE-OFF AND LANDING DISTANCES ARE REDUCED APPROXIMATELY 10% FOR EACH 6 MPH WIND VELOCITY.

# PERFORMANCE INFORMATION - SKIPLANE

UNDER CAR 4A APPROVAL, PERFORMANCE INFORMATION IS NOT REQUIRED.

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