

N6594D

ELMENDORF AERO CLUB

DEPARTURE
DESTINATION
ALTERNATE
ENROUTE
WINDS ALOFT
FREEZING LEVELS & NOTES
NOTAMS

TAKEOFF DISTANCE

Maximum Weight: 2550 lbs

SHORT FIELD

WEIGHT (LBS)	TAKEOFF SPEED (KIAS)		PRESS ALT (FT)	0° C		10° C		20° C	
	LIFT OFF	AT 50 FT		GRND ROLL (FT)	TOTAL FT TO CLEAR 50 FT OBS	GRND ROLL (FT)	TOTAL FT TO CLEAR 50 FT OBS	GRND ROLL (FT)	TOTAL FT TO CLEAR 50 FT OBS
2550	48	57	S.L.	860	1520	926	1630	995	1750
			1000	940	1665	1015	1790	1090	1925
			2000	1030	1830	1110	1970	1195	2125
			3000	1130	2015	1220	2175	1315	2350
			4000	1245	2230	1345	2415	1450	2615
			5000	1370	2480	1480	2690	1595	2920
			6000	1510	2770	1635	3015	1765	3290
			7000	1670	3120	1805	3410	1950	3735
			8000	1850	3535	2000	3890	2165	4295

NOTES:

1. Short field technique as specified in Section 4.
2. Prior to takeoff from fields above 3000 feet elevation, the mixture should be leaned to give maximum RPM in a full throttle, static run-up.
3. Decrease distances 10% for each 9 knots headwind. For operation with tail winds up to 10 knots, increase distance by 10% for each 2 knots.
4. For operation on dry, grass runway, increase distances by 15% of the "ground roll" figure.

WEIGHT AND BALANCE

N6594D	WEIGHT (lbs)	ARM	MOMENT in LBS/1000
AIRPLANE EMPTY WEIGHT	1487.1	36.00	53.548
PILOT & FRONT PASSENGER		37.00	
REAR PASSENGERS		73.00	
BAGGAGE AREA (AREA 1, 120 LBS) ¹		95.00	
BAGGAGE AREA (AREA 2, 50 LBS) ¹		123.00	
ZERO FUEL WEIGHT			
FUEL (50 GAL USEABLE)		48.00	
TOTAL MAX TAKEOFF WEIGHT: 2550			

NOTE 1: 120 POUNDS MAXIMUM BAGGAGE IN BOTH AREAS COMBINED

WEIGHT AND BALANCE WITHIN LIMITS _____