

N9209H

ELMENDORF AERO CLUB

DEPARTURE
DESTINATION
ALTERNATE
ENROUTE
WINDS ALOFT
FREEZING LEVELS & NOTES
NOTAMS

TAKEOFF DISTANCE

Maximum Weight: 3100 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
3100	50	59	S.L.	720	1365	775	1465	835	1570
			1000	785	1490	845	1600	910	1720
			2000	860	1635	925	1760	995	1890
			3000	940	1800	1010	1940	1085	2090
			4000	1025	1990	1105	2150	1190	2320
			5000	1125	2210	1215	2395	1305	2595
			6000	1235	2470	1330	2685	1435	2925
			7000	1360	2780	1465	3040	1580	3330
			8000	1500	3170	1615	3485	1740	3855

NOTES:

1. Short field technique as specified in Section 4.
2. Prior to takeoff from fields above 5000 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

N9209H	WEIGHT (lbs)	ARM	MOMENT in LBS/1000
AIRPLANE EMPTY WEIGHT	1842.1	37.10	68.249
PILOT & FRONT PASSENGER		37.00	
REAR PASSENGERS		74.00	
BAGGAGE AREA (AREA A, 120 LBS)		97.00	
BAGGAGE AREA (AREA B, 80 LBS)		116.00	
BAGGAGE AREA (AREA C, 80 LBS)		129.00	
MAX LANDING WEIGHT	2950		
FUEL (88 GAL USEABLE)		46.50	
TOTAL MAX TAKEOFF WEIGHT: 3110			

120 LBS MAX FOR BAGGAGE AREAS A, B AND C COMBINED
 80 LBS MAX FOR BAGGAGE AREAS B AND C

WEIGHT AND BALANCE WITHIN LIMITS _____