

N453SP

ELMENDORF AERO CLUB

DEPARTURE
DESTINATION
ALTERNATE
ENROUTE
WINDS ALOFT
FREEZING LEVELS & NOTES
NOTAMS

SHORT FIELD TAKE-OFF DISTANCE

AT 2550 lbs

PRESS ALT (FT)	0° C		10° C		20° C	
	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
S.L.	860	1465	925	1575	995	1690
1000	940	1600	1010	1720	1090	1850
2000	1025	1755	1110	1890	1195	2035
3000	1125	1925	1215	2080	1310	2240
4000	1230	2120	1335	2295	1440	2480

PRESS ALT (FT)	30° C		40° C	
	GRND ROLL (FT)	TOTAL FT TO CLEAR 50 FT OBS	GRND ROLL (FT)	TOTAL FT TO CLEAR 50 FT OBS
S.L.	1070	1810	1150	1945
1000	1170	1990	1260	2135
2000	1285	2190	1380	2355
3000	1410	2420	1515	2605
4000	1550	2685	1660	2880

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

N453SP	WEIGHT (lbs)	ARM	MOMENT in LBS/1000
AIRPLANE EMPTY WEIGHT	1705.2	40.32	68.752
PILOT & FRONT PASSENGER		37.00	
REAR PASSENGERS		73.00	
BAGGAGE AREA (AREA 1, 120 LBS) ¹		95.00	
BAGGAGE AREA (AREA 2, 50 LBS)		123.00	
ZERO FUEL WEIGHT			
FUEL (53 GAL USEABLE)		48.00	
TOTAL MAX TAKEOFF WEIGHT: 2550			

NOTE 1: 120 POUNDS MAXIMUM BAGGAGE IN BOTH AREAS COMBINED

WEIGHT AND BALANCE WITHIN LIMITS _____