

DENSITY ALTITUDE:

Have you checked your performance today?

(OAT)
Outside Air Temperature

* (PA) Pressure Altitude Ft.	0C	5C	10C	15C	20C	25C	30C	35C	40C
2000				2480	3080	3680	4280	4880	5480
3000			3120	3720	4320	4920	5520	6120	6720
4000			4360	4960	5560	6160	6760	7360	7960
5000		5000	5600	6200	6800	7400	8000	8600	9200
6000		6240	6840	7440	8040	8640	9240	9840	10440
7000		7480	8080	8680	9280	9880	10480	11080	11680
8000	8120	8720	9320	9920	10520	11120	11720	12320	12920

Density Altitude (in red)

Rule of Thumb: For every 1 degree C , Density Altitude increases 120ft



PA 4000 ft and 25C



Pressure Altitude 4000 ft and 15C

How will a hot and humid day affect your airplane?

- It will increase your take-off distance
- It will reduce your climb performance
- It will increase your landing distance

Refer to the performance section in your airplanes Pilot Operating Handbook (POH)

Enjoy your Fight in Idaho.....safely!

Always Safety First!

Density Altitude Calculator

Derived from US National Weather Service Formula

*Obtain PA at airport by setting 2992 in the Kollsman window of the aircraft altimeter

Dan Etter

Idaho Division of Aeronautics

(208) 334-8777 Office

(208) 631-5613 Mobile

dan.etter@itd.idaho.gov