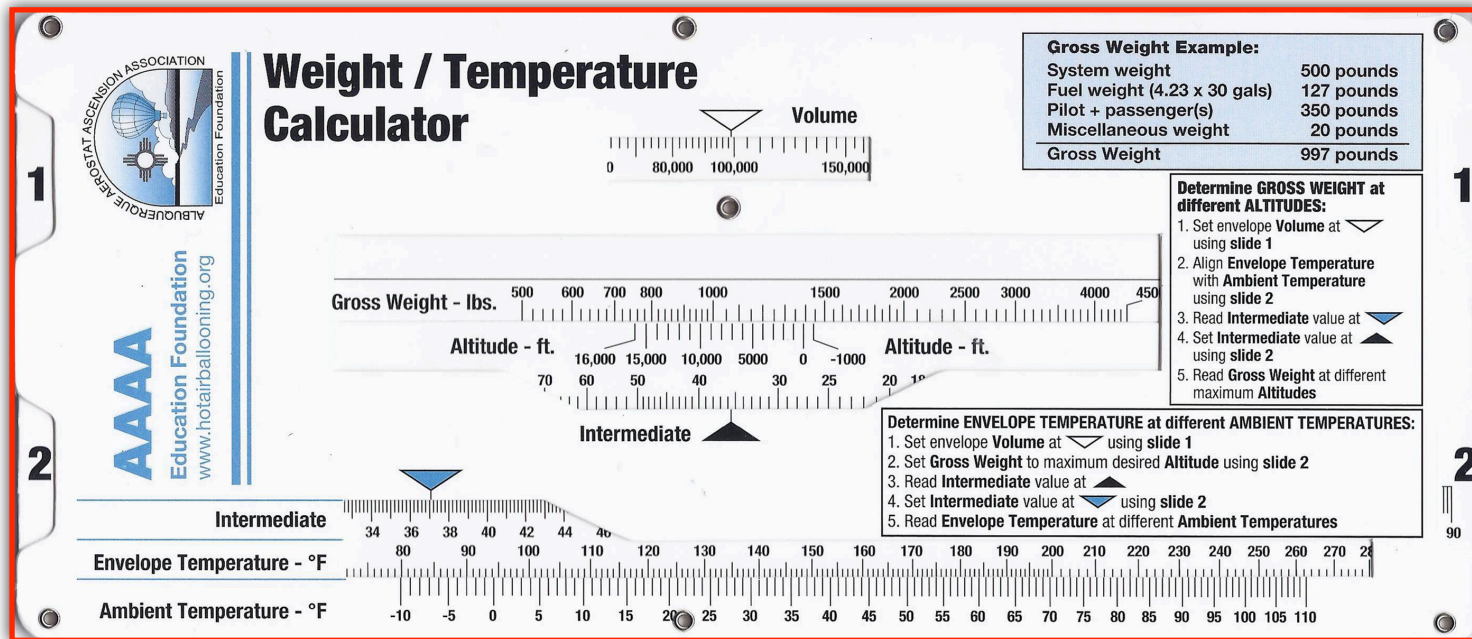


Use the following pages to compute the weight limits and temperatures for your balloon on any given day. One card provides a mini chart, for how much weight you can carry depending on the ambient temp. The other card provides spaces so your can calculate whatever you want. Put either or both completed cards in a plastic sleeve and put them in your balloon for reference before launch to make sure you don't overload or over temp your system.

Use the chart in your flight manual for your calculations.



The AAAA Calculator is a great too for your computations! Available online at [hotairballooning.org](http://hotairballooning.org)



N# **12345** Vol. **90000**

Sys Wt Fueled **600**

Env. Temp **210** °

Alt. **6500** ft MSL

Ambient Temp F°	Lift Weight
20	<b>1061</b>
30	<b>941</b>
40	<b>826</b>
50	<b>716</b>
60	<b>610</b>
70	<b>508</b>

Interpolate for other values.

SAMPLE



N# \_\_\_\_\_ Vol. \_\_\_\_\_

Sys Wt Fueled \_\_\_\_\_

Env. Temp \_\_\_\_\_ °

Alt. \_\_\_\_\_ ft MSL

Ambient Temp F°	Lift Weight
20	
30	
40	
50	
60	
70	

Interpolate for other values.



N# \_\_\_\_\_ Vol. \_\_\_\_\_

Sys Wt Fueled \_\_\_\_\_

Env. Temp \_\_\_\_\_ °

Alt. \_\_\_\_\_ ft MSL

Ambient Temp F°	Lift Weight
20	
30	
40	
50	
60	
70	

Interpolate for other values.



N# \_\_\_\_\_ Vol. \_\_\_\_\_

Sys Wt Fueled \_\_\_\_\_

Env. Temp \_\_\_\_\_ °

Alt. \_\_\_\_\_ ft MSL

Ambient Temp F°	Lift Weight

Interpolate for other values.



N# **12345** Vol. **90000**

Sys Wt Fueled **600**

Pilot/Pax Wt **600**

Gross Wt **1200**

Ambient Temp **70** °

Launch Alt **5000** ft

Buoyancy Temp **213** °

Max Env Temp **220** °

Max Alt **6000** ft MSL

Date **Today**

SAMPLE



N# \_\_\_\_\_ Vol. \_\_\_\_\_

Sys Wt Fueled \_\_\_\_\_

Pilot/Pax Wt \_\_\_\_\_

Gross Wt \_\_\_\_\_

Ambient Temp \_\_\_\_\_ °

Launch Alt \_\_\_\_\_ ft MSL

Buoyancy Temp \_\_\_\_\_ °

Max Env Temp \_\_\_\_\_ °

Max Alt \_\_\_\_\_ ft MSL

Date \_\_\_\_\_



N# \_\_\_\_\_ Vol. \_\_\_\_\_

Sys Wt Fueled \_\_\_\_\_

Pilot/Pax Wt \_\_\_\_\_

Gross Wt \_\_\_\_\_

Ambient Temp \_\_\_\_\_ °

Launch Alt \_\_\_\_\_ ft MSL

Buoyancy Temp \_\_\_\_\_ °

Max Env Temp \_\_\_\_\_ °

Max Alt \_\_\_\_\_ ft MSL

Date \_\_\_\_\_



N# \_\_\_\_\_ Vol. \_\_\_\_\_

Sys Wt Fueled \_\_\_\_\_

Pilot/Pax Wt \_\_\_\_\_

Gross Wt \_\_\_\_\_

Ambient Temp \_\_\_\_\_ °

Launch Alt \_\_\_\_\_ ft MSL

Buoyancy Temp \_\_\_\_\_ °

Max Env Temp \_\_\_\_\_ °

Max Alt \_\_\_\_\_ ft MSL

Date \_\_\_\_\_