

Nevada Soaring Association Weight and Balance Data

SGS 2-32

aircraft	arm	wt	moment
N697U	111.79	982	109,777.78
Front	61.88	180	11,138.40
Rear	88.88	268	23,819.84

INSERT DATA

Front Weight	180
Rear Weight	268
Ballast	0

As Loaded 101.21 1430 144,736.02

Results	CG
Gross weight	1430
CG	101.21

Class I HI-Perf Limits 101.08-105.18 1340 max

Class II Utility Limits 101.08-105.18 1430 max

For front seat at 210 lbs 190 lbs 200 lbs 210 lbs 224 lbs 256 lbs 268 lbs
 Max aft seat 191 lbs 224 lbs 256 lbs 268 lbs

Min Weight Solo 150 to keep CG at no more than 35% MAC
 120 puts CG at extreme aft of envelope at 38% MAC

Instructor/Rear Weight 180

"FOR CG" weights do not consider maximum gross weight or seat weight limits. "For Weight" values do not consider CG

Aircraft	Empty Weight	EW CG	weight 1 (main)	weight 2 (tailwheel)	useful load	max other with 180, for weight for CG	max fwd with 180 aft, for CG	min fwd with 180 aft, for CG	min fwd with 180 aft, for CG	Min solo wt (CG aft)	max solo wt (Cg fwd)
2-32 N697U	982	111.79	962	20	448	268.00	212.3	48.6	119.4	268.3	

Box indicates limiting wt limit is lower than cg limit