

**WIDGET 6 WEIGHT ESTIMATE**

Body	No	Area in <sup>2</sup>	Areal Wt lb/ft <sup>2</sup>	Weight lb	LCG, inch from rear	Moment lb-in
Side panels	2	5993	1.95	162	65	10550
Floor	1	5010	4.30	150	67	10023
Front/top/back skin	1	15964	2.45	272	62	16840
Wheelboxes	2	1044	1.40	20	55	1117
Bunk fronts	1	2307	1.40	22	41.5	931
Bunk top incl table	1	4906	1.80	61	39	2392
Footwell sides & bhd	1	1565	1.80	20	84	1643
Galley surfaces/doors	1	4653	1.40	45	102	4614
Subtotal				752	64	48110
Margin (paint, minor parts, fasteners)			20%	150	64	9622
Total				903	64	57732

Chassis	Spec	No	Length in	Lin Wt lb/ft	Wt each lb	Weight lb	LCG, inch from rear	Moment lb-in
Longitudinals	2 x 2 x 1/8 Sq Tube	2	127.5	3.07	33	65	62	4045
Front Transverse	2 x 2 x 3/16 Angle	1	63	2.44	13	13	102	1307
Rear Transverse	2 x 2 x 3/16 Angle	1	67	2.44	14	14	26	354
Fritch plates	1/8 x 4 x 1.5	4			0.25	1	104	104
Wheels/tyres	175R13	2			29	58	55	3190
Axle	#9 no brakes	1			68	68	59	4012
Coupler		1			7	7	151	1057
Jack		1			11	11	140	1540
Subtotal						237	66	15609
Margin (paint, fasteners, weld)					10%	24	66	1561
Total						260	66	17169

Fitout	Weight lb	LCG, inch from rear	Moment lb-in
Stove and tank	10	107	1070
Cushions	10	39	390
Windows	25	70	1750
Battery	60	22	1320
Sundry hardware (locks, etc)	50	60	3000
Total	155	49	7530

Stores	Weight lb	LCG, inch from rear	Moment lb-in
Food, etc	30	100	3000
Water and container	15	107	1605
Cooler and ice	25	107	2675
Clothes and personal effects	50	51	2550
Tools, camping items	50	60	3000
Total	170	75	12830

Totals	Unladen lb	Laden lb	Unladen Moment lb-in	Laden Moment lb-in
Body	903	903	57732	57732
Chassis	260	260	17169	17169
Fitout	155	155	7530	7530
Stores		170		12830
Subtotal	1318	1488	82431	95261
Margin for escalation	10% 132	10% 149		
<b>Grand Total</b>	<b>1450</b>	<b>1637</b>		

LCG from rear, in	62.5	64.0
Original axle from rear, in	55	
Coupler from rear, in	156.5	
%age weight on axle	7.4%	8.9%
Revised axle from rear, in	53	
Revised %age weight on axle	9.2%	10.6%