

## 1.2 Technical Specifications and Limitations

TECHNICAL SPECIFICATIONS						
Wing Size ft <sup>2</sup>	Span ft	Chord Max	Chord Min	Weight kg	Weight lbs.	Volume In <sup>3</sup>
93	14.60	5.50	3.30	3.10	6.70	310
99	15.37	5.80	3.51	3.18	7.00	327
109	16.18	6.11	3.69	3.41	7.50	340
119	16.91	6.38	3.86	3.64	8.00	351
129	18.60	7.02	4.25	3.86	8.50	368
149	19.90	7.50	4.50	4.09	9.00	393

Aspect Ratio: 2.65

Effective Ratio: 3.15

Tip Aspect Ratio: 4.38

Number of Cells: Conventional 9

Fabric: ZP Only

Suspension Lines: ZLX 700

<b>KARMA Recommendations and Limitations</b>								
*ALL FIGURES CALCULATED AT MAXIMUM WING LOADING*								
SIZE	STUDENT/NOVICE		INTERMEDIATE		ADVANCED		MAXIMUM	
	Not Suggested (NS)		Not Suggested (NS)		1.6-2.2		2.3	
ft. <sup>2</sup>	LBS	KG	LBS	KG	LBS	KG	LBS	KG
93	NS	NS	NS	NS	186	84.5	214	97
99	NS	NS	NS	NS	217.8	99	227.7	103.5
109	NS	NS	NS	NS	239.8	109	250.7	114
119	NS	NS	NS	NS	260	118.2	260	118.2
129	NS	NS	NS	NS	260	118.2	260	118.2
149	NS	NS	NS	NS	260	118.2	260	118.2

**Do not exceed the maximum exit weights listed above!**

**PRIOR TO ASSEMBLY, PACKING, OR USE OF THIS PRODUCT, READ AND FULLY UNDERSTAND ALL CONTENT AND WARNINGS CONTAINED IN THIS MANUAL.**

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