

		0.1 gm/sq in.	Mass gm	Local cg	Station	Total arm	torque	
12.35 sq.in	56%	foam	Ruddervator	1.03	1.68	10.60	12.28	12.65
12.35 sq.in	56%	foam	ruddervator	1.03	1.68	10.60	12.28	12.65
		glue &	control horns	1.5			11.75	17.6
14.6	0.29 gm/in.	carbon	Boom	4.25	7.3	-1.86	5.44	23.1
		foam	Wing	3.58	2.1	0	2.1	7.52
	86.2 sqin.	foam	Wing	3.58	2.1	0	2.1	7.52
		ali	pushrod	2.0	7.0	-0.97	6.03	12.1
		ali	pushrod	2.0	7.0	-0.97	6.03	12.1
		foam	Pod side	1.0	2.2	-4.2	-2.0	-2.0
		foam	Pod side	1.5	2.80	-4.4	-1.6	-2.4
9.4 sqin.		foam	Pod side	1.25	4.2	-4.5	-0.3	-0.40
		foam	Pod keel	0.5	4.00	-4.54	-0.25	-0.82
		foam	Pod side	1.25	4.2	-4.5	-0.3	-0.40
		foam	Pod side	1.5	2.80	-4.4	-1.6	-2.4
		foam	Pod side	1.0	2.2	-4.2	-2.0	-2.0
				<u>27</u>				<u>94.9</u>
			Fan	26	1.2	2.1	3.3	85.8
		HS50	Servo	6	.7	-1.28	-0.58	-3.48
		HS50	Servo	6	.7	-1.28	-0.58	-3.48
		HiTec Micro05S	Reciever	9	.4	-0.08	0.30	2.7
		Lip340	Battery	24	1.1	-3.58	-2.48	-59.5
			Esc	4	0.25	1.25	1.5	6.0
				<u>78</u>				<u>-57.6</u>
				108			123	1.14 28%

27%= 1.11

84 sq in

1.3 gm/sq in.