

		0.1 gm/sq in.	Mass gm	Local cg	Station	Total arm	torque	
12.35 sq.in	56%	foam	Ruddervator	1.03	1.78	11.23	13.0	13.4
12.35 sq.in	56%	foam	Ruddervator	1.03	1.78	11.23	13.0	13.4
		Glue horns	fiber tape	2.0	—	—	12.75	25.5
14.6	0.29 gm/in.	carbon	Boom	4.25	7.3	-1.23	6.07	25.8
		foam	Wing	18.0	2.35	0	2.35	42.3
	86.2 sqin.	cf	pushrod	1.0	6.8	-0.27	6.53	6.53
		cf	pushrod	1.0	6.8	-0.27	6.53	6.53
9.4 sqin.		foam	Pod base	3.28	4.28	-3.94	0.34	1.10
		foam	Pod side	2.15	3.65	-3.75	-0.10	-0.22
		foam	Pod side	<u>2.15</u>	3.65	-3.75	-0.10	<u>-0.22</u>
				36				134.1
			Fan	26	1.2	2.71	3.90	101.4
		HS50	Servo	6	0.35	-0.46	-0.1	-0.6
		HS50	Servo	6	0.35	-0.46	-0.1	-0.6
		Berg	Reciever	5	0.55	0.1	0.65	3.25
		Lip480	Battery	24	1.1	-2.96	-1.96	-47.0
			Esc	<u>4</u>	0.25	0.1	0.35	<u>1.4</u>
				71				57.9
				107				191.9

1.8 38

chd 4.71 36%=1.7

86 sq in

1.35 gm/sq in.