

DESIGN COMPARISON TABLE

Explanation

LOA: Length overall – overall length of boat.

BOA: Beam overall - overall width of boat.

DRAFT: Measured from waterline to lowest hull point.

DISPLACEMENT: The weight of the boat when floating at the DWL point (see above) (ie total loaded boat.)

BRUCE NO\POWER TO WEIGHT RATIO: This shows us the relationship between sail area and weight in a comparable figure (ie, how well she will sail). The higher the figure, the better. The “Light” figures shown in the design comparison table are for normal Coastal cruising load, “Heavy” is for fully stocked ocean cruising. (FORMULA = Cube root of displacement in Pounds, divided into the square root of the total sail area in feet) (Sail Area, we use main and genoa)

BRIDGEDECK CLEARANCE: Is the distance between the water and lowest point of the underwing. Important seaworthiness factor.

WATERLINE BEAM TO LENGTH RATIO: Shows the relationship between the length and width of one hull at Waterline. The higher the figure the more efficient the boat is.

WETTED AREA: Is the total under water area for both hulls and indicates parasitic drag. The more area in the water the more there is to drag through it.

ESTIMATED BUILDING HOURS AND MATERIALS COSTS: These are our estimates for a good, complete budget boat without spinnaker, radar, water makers etc. Personal choices in building, finishing and equipment can affect these greatly and these estimates do not include tools, rent, electricity etc.

PAYLOAD: This is roughly how much personal gear, extra equipment, stores, water, fuel etc. the boat will carry before sitting on DWL. Found by subtracting the as built, dry weight from the displacement figure.

OB or D: These letters refer to either OB for OutBoards, or D for Diesel engines. This is showing the recommended motor option for each design.

CONSTRUCTION MATERIAL OPTIONS: See section in Table: **W** = Western Red Cedar Strip; **D** = Durakore strip; **DP** = Duflex Panels; **F** = Foam which could be straight Foam or Duflex Foam depending on design.

DESIGN COMPARISON TABLE

Range	Model	LOA (m)	BOA (m)	Draft (m)		Headroom (m)		Mast Height (m)	Sail Area (m2)		Payload (kg)	Displacement (kg)	Immersion kg/cm	Power to Weight Ratio Bruce No.		Bridge Deck		Beam to Length Ratio	Wetted Area	Estimated Building Time Hours		Est. Motor Speed		Est. Sailing Speed		Construction Material Options	Estimated Material Cost	Motor Option OB/D	
				Boards Up	Hull	B/Deck	Main & Genoa		Heavy	Light				Clearance (m)	Kit	Self Cut	Cruising			Top	Cruising	Top							
G-Force	1400	14.00	7.50	0.500	1.96	1.96	19.00	116	1500	5500	TBA	TBA	TBA	0.95	16:1	TBA	TBA	TBA	7	10	16	25+	D	\$320,000	2 X D				
	1500	15.45	7.80	0.500	1.96	1.96	19.50	TBA	1850	5000 (L)	TBA	TBA	TBA	0.95	16.8:1	TBA	TBA	TBA	9	10	16	25+	D	\$340,000	2 X D				
Bermuda	77	23.50	10.80	0.650	2.00+	2.00+	24.00	200	TBA	TBA	TBA	TBA	TBA	1.2	18.3:1	TBA	TBA	TBA	12	15	15	30+	NA	POA		2 X D			
Cosmos	1100	11.00	6.60	0.460	2.00	1.87	16.00	75	1000	3900	139	1.39	1.45	0.65	12.3:1	22.6	3800	4500	7	9	10	20+	W or D	\$195,000	2 X OB				
	1160	11.60	6.93	0.480	1.90	1.92	16.00	84	1500	5200	216	1.33	1.38	0.65	11.4:1	26.8	4500	6000	7	10	10	20+	W or D	\$205,000	2 X OB/D				
	1250	12.50	6.90	0.465	2.22	1.80	17.00	95	1800	5630	209	1.41	1.5	0.7	12.2:1	29.5	4800	6000	7	10	10	20+	W or D	\$220,000	2 X OB/D				
	1250S	12.50	6.90	0.540	2.22	1.80	17.00	95	2500	7000	210	1.28	1.34	0.7	11.7:1	31.7	5000	6300	7	10	10	20+	D	\$225,000	2 X OB/D				
	1320	13.20	7.50	0.490	1.89	2.00	17.50	100	1800	6274	214	1.36	1.43	0.8	12.3:1	30.9	5200	6500	7	10	10	20+	W or D	\$240,000	2 X OB/D				
	1430	14.30	8.16	0.467	2.00	2.00	18.00	110	2000	7000	247	1.38	1.46	0.8	12.3:1	34.3	5800	6900	7	11	10	20+	W or D	\$310,000	2 X OB/D				
Wilderness X Series	1750	17.50	9.41	0.650	2.06	2.07	22.00	150	3000	13200	330	1.4	1.44	1	13.3:1	51.3	7500	8500	8	12	10	20+	W or D	\$450,000	2 X D				
	1040X	10.40	6.20	0.400	1.90	1.90	13.50	60.6	900	3200	135	1.33	1.45	0.65	12:1	20	3500	4000	6	9	10	20+	DP or F Kit	\$180,000	1 X OB				
	1120X	11.20	6.50	0.450	1.94	1.88	15.00	76	1600	4770	164	1.31	1.41	0.65	11.7:1	24.4	3800	4500	7	10	10	20+	DP or F Kit	\$195,000	2 X OB				
	1250X	12.40	7.00	0.530	1.95	2.10	17.00	95	1800	6350	174	1.34	1.41	0.8	12.5:1	30.8	4000	5000	8	10	10	20+	DP or F Kit	\$220,000	2 X OB/D				
	1340X	13.40	7.40	0.450	1.94	1.85	17.00	96	2000	6289	206	1.32	1.41	0.8	12.4:1	31.1	5000	6000	9	10	10	20+	DP or F Kit	\$240,000	2 X OB/D				
	1500X	15.00	7.70	0.451	2.03	1.93	18.00	99	1900	7000	229	1.35	1.48	0.9	14.4:1	35.5	5500	6600	9	10	10	20+	DP or F Kit	\$320,000	2 X OB/D				
Waterline	1650X	16.50	8.50	0.560	1.97	2.04	19.50	143	2500	10800	301	1.37	1.47	0.95	13:1	46.4	6200	7200	9	10	10	20+	DP or F Kit	\$400,000	2 X OB/D				
	1320	13.20	7.38	0.460	1.90	1.90	17.00	100	1500	5608	200	1.48	1.55	0.8	13.5:1	29.2	5000	5600	7	11	11.5	20+	D	\$260,000	2 X OB/D				
	1480	14.80	8.02	0.475	2.00	1.92	18.00	110	2000	7060	238	1.47	1.52	0.9	14.8:1	33.4	5500	6500	10	12	12	20+	D	\$320,000	2 X OB/D				
	1620	16.20	8.35	0.510	2.10	1.97	19.20	132	1900	8656	274	1.51	1.53	0.9	14.8:1	41	6000	7000	8	10	12	20+	D	\$400,000	2 X OB/D				
Radical Bay	1750	17.50	9.50	0.550	2.08	2.05	23.00	179.5	2000	9068	299	1.6	1.7	0.95	15.3:1	42	7200	8000	10	12	12-14	20+	D	\$450,000	2 XD				
	8000	8.00	5.76	0.300	1.70	NA	8.50	41	300	1100	66	NA	NA	0.68	14.5:1		1500	2000	5	8	12	20+	D	\$70,000	1 X OB				
Prowler	1060	10.60	5.80	0.325	1.90	NA	14.50	NA	750	2600	NA	NA	NA	0.675	TBA	TBA	NA	2800	6	9	12	20+	D	\$110,000	1 X OB				
	VT650	6.50	2.50	0.360	NA	NA	NA	NA	6 people	1300		NA	NA	NA	NA		NA	1250	30	45	NA	NA	F	\$55,000	2 X OB				
	9000	9.00	4.90	0.400	1.74	1.90	NA	NA	700	2900	84	NA	NA	0.7	15.5:1	20.4	2500	3000	20	25	NA	NA	D	\$130,000	2 X OB				
	1100	11.00	6.20	0.550	1.95	1.90	NA	NA	1500	6000	130	NA	NA	0.8	15.4:1	34.2	4000	6000	18	26	NA	NA	D	\$180,000	2 X D				
	420	12.80	6.70	0.900	2.00	2.00	NA	NA	1500	8000	188	NA	NA	0.75	16.4:1	39	5200	7200	20	26	NA	NA	D	\$220,000	2 X D				
Alaskan	VT950	9.50	5.50	0.600	2.00	2.00	NA	NA	1500	4000		NA	NA	0.665	14:1		3000	4000	17	28	NA	NA	D	\$170,000	2 X D				
	410	12.50	6.40	0.680	1.90	1.93	NA	NA	2800	8800	172	NA	NA	0.8	13.8:1	40.8	6500	7500	15	22	NA	NA	D	\$290,000	2 X D				
Aquaplay	520	15.70	7.40	0.800	2.00	2.00	NA	NA	3500	16500	284	NA	NA	1	15.5:1	57.6	6200	8200	17	24	NA	NA	D	\$577,000	2 X D				
	1100	11.00	6.60	0.800	1.95	1.90	NA	NA	2500	8262	172	NA	NA	0.8	12.6:1	37.2	4500	6200	12	18	NA	NA	W or D	\$170,000	2 X D				
	1250	12.49	6.90	0.800	1.67	1.99	NA	NA	3000	9500	226	NA	NA	0.75	11.7:1	41.1	6200	8000	12	15	NA	NA	W or D	\$190,000	2 X D				