

Spinnaker: 50001113 Max sy.des

Design Info

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Design File:

F:\Dropbox (个人)\Fareast Sails\2021\50001113 Max\50001113 Max sy.des

Initial Design Date: 16/1/2021

Boat:

Client:

Comments:

Design Data

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Spinnaker

Measurements

Leech length (SLE): 11.200m
Foot length (SFL): 6.500m
Headboard Width: 0.010m
Maximum width (32.9%): 6.738m
Three-quarter width: 4.466m
Half width (SHW): 6.598m
Quarter width: 6.717m
Foot median: 12.945m
ORC/IRC Spinnaker Area: 61.399m?
Surface Area: 69.133m?
Hoist height: 11.610m
Pole Length: 3.810m

Luff Curve

15.500m, 0.000m
11.625m, 0.000m
7.750m, 0.000m
3.875m, 0.000m
0.000m, 0.000m

Fanned Luff (@ 5.00% [0.278m])

100% (10.016m) : 0.000m -0.000m
82% (8.170m) : -2.343m 2.956m
51% (5.072m) : -2.829m 4.680m
24% (2.440m) : -1.819m 4.376m
31% (3.116m) : -1.263m 3.920m
32% (3.221m) : -0.485m 3.380m
28% (2.792m) : 0.122m 2.796m
25% (2.502m) : 0.978m 2.159m
16% (1.593m) : 0.954m 1.466m
9% (0.856m) : 0.504m 0.736m
0% (0.000m) : 0.000m 0.000m

Before BSeam

Section Data

Position	Camber	Draft	Entry	Luff Off	Fwd Camb	Aft Camb
100.00%	25.000%	50.000%	60.442?	0.000m	20.400%	20.400%
94.98%	26.000%	50.000%	62.918?	0.542m	21.328%	21.328%
75.00%	29.000%	50.000%	70.206?	2.069m	24.174%	24.174%
50.00%	30.000%	50.000%	72.575?	2.291m	25.139%	25.139%
25.00%	28.000%	50.000%	67.804?	1.452m	23.217%	23.217%
5.00%	26.000%	50.000%	62.918?	0.303m	21.329%	21.329%
0.00%	25.253%	50.000%	59.835?	0.000m	20.478%	20.473%

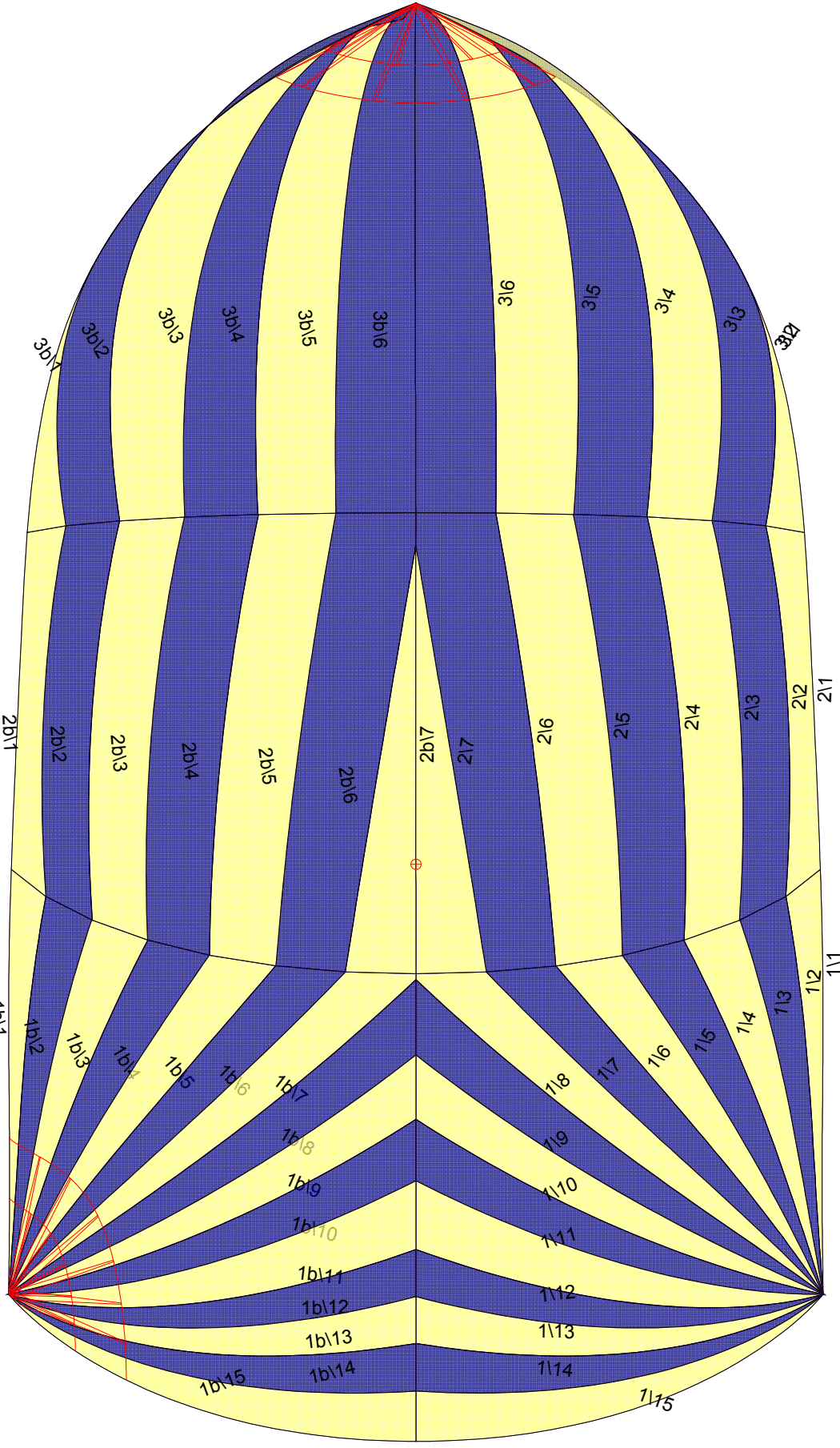
Chord Data

Leech : 9.2165m
Foot : 5.5501m
Headboard width : 0.0100m

Fanned Foot Curve Depths

25.0% 50.0% 75.0%
0.1298m 0.1743m 0.1296m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.038m	0.015m	0.038m
Zone: 1/b	0.038m	0.015m	0.038m
Zone: 2/a	0.038m	0.015m	0.038m
Zone: 2/b	0.038m	0.015m	0.038m
Zone: 3/a	0.038m	0.015m	0.038m
Zone: 3/b	0.038m	0.015m	0.038m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	13.30
Radial/Vertical	203.75
Bi-Radial Split	13.25

Materials

Material	Area (m ²)	Panels
dk blue	34.50	1\2, 1\4, 1\6, 1\8, 1\10 1\12, 1\14, 1b\2, 1b\4, 1b\6 1b\8, 1b\10, 1b\12, 1b\14, 2\2 2\4, 2\6, 2b\6, 2b\4, 2b\2 3\2, 3\4, 3\6, 3b\6, 3b\4 3b\2
Yellow	58.98	1\1, 1\3, 1\5, 1\7, 1\9 1\11, 1\13, 1\15, 1b\1, 1b\3 1b\5, 1b\7, 1b\9, 1b\11, 1b\13 1b\15, 2\1, 2\3, 2\5, 2\7 2b\7, 2b\5, 2b\3, 2b\1, 3\1 3\3, 3\5, 3b\5, 3b\3, 3b\1