

Asymmetric: 7000909 Alfonso Bavaria 42 Code zeroV1.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7000909 Alfonso\70

Initial Design Date: 14/9/2023
Boat:

Comments:

Client:

Design Data
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Asymmetric

Measurements

Luff length (SLU): 17.708m
Leech length (SLE): 15.816m
Foot length (SFL): 9.435m
Headboard Width: 0.005m
Three-quarter width: 3.312m
Half width (SHW): 5.957m
Quarter width: 7.907m
ORC Area: 92.926m?
IRC Area: 92.554m?
Surface Area: 88.269m?
Hoist height: 17.500m
J: 5.550m

Closest Pt: 2.843m
Closest Pt: 5.269m
Closest Pt: 7.133m

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% [0.451m])

100% (17.683m) : 0.000m
90% (15.914m) : -0.151m
80% (14.145m) : -0.282m
70% (12.377m) : -0.371m
60% (10.609m) : -0.411m
50% (8.841m) : -0.404m
40% (7.074m) : -0.370m
30% (5.306m) : -0.310m
20% (3.537m) : -0.226m
10% (1.769m) : -0.119m
0% (0.000m) : 0.000m

Before BSeam

0.000m
0.056m
0.131m
0.219m
0.281m
0.308m
0.299m
0.255m
0.201m
0.121m
0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.025m	0.016m	0.025m
Zone: 1/b	0.025m	0.016m	0.025m
Zone: 2/a	0.025m	0.016m	0.025m
Zone: 2/b	0.025m	0.016m	0.025m
Zone: 3/a	0.025m	0.016m	0.025m
Zone: 3/b	0.025m	0.016m	0.025m

Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	12.09
Radial/Vertical	271.97
Bi-Radial Split	16.70

Materials

Material	Area (m ²)	Panels
Material 1	43.32	1b\1,1b\2,1b\3,1b\4,1b\5 1b\6,1b\7,1b\8,1b\9,1b\10 1b\11,1b\12,1b\13,1b\14,2\1 2\2,2\3,2\4,2\5,2\6 2\7,3b\6,3b\5,3b\4,3b\3 3b\2,3b\1
Material 2	43.68	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1\13,1\14,2b\7 2b\6,2b\5,2b\4,2b\3,2b\2 2b\1,3\1,3\2,3\3,3\4 3\6 3\5
Material 3	1.43	3\6 3\5

