

Asymmetric: 7000903 Luc Fontaine Pajot Astrea42 Code zeroV3.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7000903 Luc\70009

Initial Design Date: 7/9/2023
Boat:

Comments:

Client:

Design Data
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Asymmetric

Measurements

Luff length (SLU): 16.900m
Leech length (SLE): 15.031m
Foot length (SFL): 9.095m
Headboard Width: 0.010m
Three-quarter width: 3.196m
Half width (SHW): 5.756m
Quarter width: 7.676m
ORC Area: 85.469m?
IRC Area: 85.127m?
Surface Area: 81.356m?
Hoist height: 16.580m
J: 5.360m

Closest Pt: 2.728m
Closest Pt: 5.051m
Closest Pt: 6.884m

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% [0.435m])

100% (16.859m) : 0.000m
90% (15.172m) : -0.188m
80% (13.485m) : -0.352m
70% (11.799m) : -0.464m
60% (10.114m) : -0.514m
50% (8.429m) : -0.506m
40% (6.744m) : -0.463m
30% (5.059m) : -0.388m
20% (3.373m) : -0.284m
10% (1.687m) : -0.149m
0% (0.000m) : 0.000m

Before BSeam

0.000m
0.033m
0.094m
0.179m
0.245m
0.287m
0.300m
0.281m
0.217m
0.115m
0.000m

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Seam Allowances

	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
Cover 1	0.000m	0.000m	0.000m
Cover 2	0.000m	0.000m	0.000m
Cover 3	0.025m	0.025m	0.025m
Cover 4	0.025m	0.025m	0.025m

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.000m	0.070m	0.070m
Cover 1	0.000m	0.070m	0.070m
Cover 2	0.070m	0.100m	0.070m
Cover 3	0.070m	0.070m	0.100m

Total Seam Lengths (m)

Horizontal	11.52
Radial/Vertical	261.05
Bi-Radial Split	15.98

Materials

Material	Area (m ²)	Panels
Material 1	39.78	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	40.50	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
Material 3	1.23	3\6 3\5

