

Asymmetric: 7000104 Arthur Beneteau First32 Code 0.des

Design Info

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Initial Design Date: 4/4/2023

Boat:

Client:

Design File:

\\Nas\工程部-专用文件\Queenie-跟进客户\Fareast Sails\2023 Order\Need Confrim Order\7000104 Arthur\7000104 Arth

Comments:

Design Data

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Asymmetric

Measurements

Luff length (SLU): 12.300m
Leech length (SLE): 10.870m
Foot length (SFL): 7.259m
Headboard Width: 0.005m
Three-quarter width: 2.588m
Half width (SHW): 4.646m
Quarter width: 6.125m
ORC Area: 49.900m?
IRC Area: 49.700m?
Surface Area: 47.145m?
Hoist height: 12.300m
J: 3.870m

Closest Pt: 2.153m
Closest Pt: 4.015m
Closest Pt: 5.435m

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% [0.348m])

100% (12.275m) : 0.000m
90% (11.047m) : -0.126m
80% (9.818m) : -0.236m
70% (8.591m) : -0.311m
60% (7.364m) : -0.344m
50% (6.137m) : -0.338m
40% (4.910m) : -0.309m
30% (3.683m) : -0.258m
20% (2.456m) : -0.188m
10% (1.228m) : -0.099m
0% (0.000m) : 0.000m

Before BSeam

-0.000m
0.044m
0.095m
0.162m
0.210m
0.230m
0.224m
0.190m
0.150m
0.091m
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	9.14
Radial/Vertical	194.05
Bi-Radial Split	11.61

Materials

Material	Area (m ²)	Panels
Material 1	23.13	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	23.46	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	0.64	3\6 3\5

