

Asymmetric: 7000702 Thomas-1 Asy spin A3V1.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000702 Thomas\700

Initial Design Date: 7/7/2023
Boat:
Client:

Comments: A3 medium wind reaching (area 80%% max) Medium strong nylon construction with big reinforcements

Design Data
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Asymmetric

Measurements

Luff length (SLU):	12.480m	
Leech length (SLE):	11.088m	
Foot length (SFL):	6.350m	
Headboard Width:	0.005m	
Three-quarter width:	3.089m	Closest Pt: 2.834m
Half width (SHW):	5.490m	Closest Pt: 5.060m
Quarter width:	6.356m	Closest Pt: 6.230m
ORC Area:	55.596m?	
IRC Area:	55.374m?	
Surface Area:	56.560m?	
Hoist height:	12.250m	
J:	4.100m	

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% [0.263m])

100% (12.425m) :	0.000m	0.000m
88% (10.953m) :	-0.225m	0.388m
77% (9.542m) :	-0.404m	0.753m
66% (8.210m) :	-0.507m	1.041m
56% (6.966m) :	-0.523m	1.183m
47% (5.782m) :	-0.484m	1.199m
37% (4.623m) :	-0.427m	1.090m
28% (3.472m) :	-0.354m	0.880m
19% (2.318m) :	-0.253m	0.614m
9% (1.159m) :	-0.124m	0.324m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.025m
Zone: 1/b	0.025m	0.015m	0.025m
Zone: 2/a	0.025m	0.015m	0.025m
Zone: 2/b	0.025m	0.015m	0.025m
Zone: 3	0.025m	0.015m	0.025m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	11.53
Radial/Vertical	186.79
Bi-Radial Split	7.24

Materials

Material	Area (m ²)	Panels
Material 1	29.06	1\1,1\2,1\5,1\7,1\8 1\10,1\13,1b\1,1b\2,1b\5 1b\7,1b\8,1b\10,1b\13,2\1 2\2,2\5,2\7,2b\1,2b\3 2b\6,2b\7,3\1,3\2,3\5 3\8,3\11,3\12
Material 2	27.40	1\3,1\4,1\6,1\9,1\11 1\12,1b\3,1b\4,1b\6,1b\9 1b\11,1b\12,2\3,2\4,2\6 2b\2,2b\4,2b\5,3\3,3\4 3\6,3\7,3\9,3\10

