

Asymmetric: 7000921 Jens X-43 Cable-less Code 0.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7000921 Jens\7000

Initial Design Date: 4/10/2023
Boat:

Comments:

Client:

Design Data
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Asymmetric

Measurements

Luff length (SLU):	17.500m	
Leech length (SLE):	15.923m	
Foot length (SFL):	8.332m	
Headboard Width:	0.010m	
Three-quarter width:	3.767m	Closest Pt: 3.274m
Half width (SHW):	6.323m	Closest Pt: 5.769m
Quarter width:	7.650m	Closest Pt: 7.203m
ORC Area:	93.648m?	
IRC Area:	93.273m?	
Surface Area:	91.275m?	
Hoist height:	17.800m	
J:	4.960m	

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% [0.402m])

100% (17.478m) :	0.000m	0.000m
89% (15.556m) :	-0.115m	0.258m
78% (13.691m) :	-0.246m	0.484m
68% (11.893m) :	-0.353m	0.661m
58% (10.132m) :	-0.398m	0.755m
48% (8.404m) :	-0.386m	0.767m
38% (6.700m) :	-0.350m	0.701m
29% (5.013m) :	-0.297m	0.575m
19% (3.335m) :	-0.210m	0.419m
10% (1.665m) :	-0.102m	0.225m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.025m	0.016m	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	12.69
Radial/Vertical	263.32
Bi-Radial Split	17.00

Materials

Material	Area (m ²)	Panels
Material 1	44.92	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	44.88	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	1.62	3\5

