

Asymmetric: 7000921 Jens X-43 Cable-less Code 0 V1.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):	15.400m	
Leech length (SLE):	14.105m	
Foot length (SFL):	8.180m	
Headboard Width:	0.010m	
Three-quarter width:	3.585m	Closest Pt: 3.042m
Half width (SHW):	6.114m	Closest Pt: 5.503m
Quarter width:	7.514m	Closest Pt: 7.017m
ORC Area:	80.246m?	
IRC Area:	79.925m?	
Surface Area:	78.592m?	
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% [0.393m])

100% (15.374m) :	0.000m	0.000m
89% (13.745m) :	-0.129m	0.183m
79% (12.146m) :	-0.257m	0.361m
69% (10.581m) :	-0.353m	0.510m
59% (9.034m) :	-0.397m	0.591m
49% (7.505m) :	-0.390m	0.604m
39% (5.990m) :	-0.357m	0.557m
29% (4.484m) :	-0.304m	0.458m
19% (2.985m) :	-0.218m	0.338m
10% (1.491m) :	-0.108m	0.187m
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	12.30
Radial/Vertical	238.52
Bi-Radial Split	14.99

Materials

Material	Area (m ²)	Panels
Material 1	66.84	1\4, 1\5, 1\6, 1\7, 1\8 1\9, 1\10, 1\11, 1\12, 1\13 1\14, 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\4, 2\5, 2\6, 2\7, 2b\7 2b\6, 2b\5, 2b\4, 2b\3, 2b\2 2b\1, 3\4, 3\5, 3\6, 3b\6 3b\5, 3b\4, 3b\3, 3b\2, 3b\1 1\1, 1\2, 1\3, 2\1, 2\2 2\3, 3\1, 3\2, 3\3
Material 2	11.88	

