

Asymmetric: 7000420 Jens Top-down furling Asy spinnaker.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000420 Jens\7000420

Initial Design Date: 25/4/2023
Boat:

Comments:

Client:

Design Data
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Asymmetric

Measurements

Luff length (SLU):	18.030m	
Leech length (SLE):	15.534m	
Foot length (SFL):	9.940m	
Headboard Width:	0.005m	
Three-quarter width:	5.235m	Closest Pt: 4.380m
Half width (SHW):	8.953m	Closest Pt: 8.127m
Quarter width:	10.317m	Closest Pt: 10.229m
ORC Area:	127.974m ²	
IRC Area:	127.462m ²	
Surface Area:	130.685m ²	
Hoist height:	17.000m	
J:	5.680m	

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% [0.418m])		Before BSeam
100% (18.027m) :	-0.000m	0.000m
85% (15.339m) :	0.017m	1.028m
72% (12.985m) :	-0.025m	1.773m
61% (11.015m) :	-0.069m	2.208m
51% (9.260m) :	-0.091m	2.393m
42% (7.619m) :	-0.106m	2.363m
34% (6.051m) :	-0.120m	2.142m
25% (4.529m) :	-0.119m	1.762m
17% (3.021m) :	-0.093m	1.244m
8% (1.512m) :	-0.050m	0.632m
0% (0.000m) :	0.000m	0.000m

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Seam Allowances

	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/a	0.025m	0.015m	0.025m
Zone: 3/b	0.025m	0.015m	0.025m
Zone: 4	0.025m	0.015m	0.025m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	28.91
Radial/Vertical	315.65
Bi-Radial Split	10.80

Materials

Material	Area (m ²)	Panels
orange	7.22	1\8,1b\8,2\8,2b\8,3\8 3b\8
yellow	109.08	1\1,1\2,1\3,1\4,1\5 1\6,1\10,1\11,1\12,1\13 1\14,1\15,1\16,1b\1,1b\2 1b\3,1b\4,1b\5,1b\6,1b\10 1b\11,1b\12,1b\13,1b\14,1b\15 1b\16,2\1,2\2,2\3,2\4 2\5,2\6,2b\6,2b\5,2b\4 2b\3,2b\2,2b\1,3\1,3\2 3\3,3\4,3\5,3\6,3b\6 3b\5,3b\4,3b\3,3b\2,3b\1 4\1,4\2,4\3,4\4,4\5 4\6,4\7,4\8,4\9,4\10 4\11,4\12
gold	14.73	1\7,1\9,1b\7,1b\9,2\7 2\9,2b\9,2b\7,3\7,3b\7

