

# Asymmetric: 7000811 Chris -2 Asy spinnakerV1.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed Order\7000811 Chr

Initial Design Date: 6/9/2023  
Boat:

Comments:

Client:

Design Data  
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## Asymmetric

### Measurements

Luff length (SLU):	13.300m	
Leech length (SLE):	11.765m	
Foot length (SFL):	7.380m	
Headboard Width:	0.010m	
Three-quarter width:	4.136m	Closest Pt: 3.257m
Half width (SHW):	6.875m	Closest Pt: 6.214m
Quarter width:	7.576m	Closest Pt: 7.452m
ORC Area:	72.852m <sup>2</sup>	
IRC Area:	72.561m <sup>2</sup>	
Surface Area:	74.216m <sup>2</sup>	
Hoist height:	12.400m	
J:	4.100m	

Luff Curve		Fanned Luff (@ 5.00% [0.313m])	Before BSeam
15.500m,	0.000m	100% (13.170m) :	0.000m
11.625m,	0.000m	83% (10.995m) :	-0.350m
7.750m,	0.000m	70% (9.255m) :	-0.650m
3.875m,	0.000m	60% (7.880m) :	-0.801m
0.000m,	0.000m	51% (6.669m) :	-0.837m
		42% (5.524m) :	-0.812m
		33% (4.409m) :	-0.740m
		25% (3.307m) :	-0.612m
		17% (2.208m) :	-0.433m
		8% (1.105m) :	-0.226m
		0% (0.000m) :	0.000m

### Section Data

Position	Camber	Draft	Twist	Entry	Exit	Roach	Luff Off	Luff Roach	Fwd Camb	Aft Camb
100.00%	3.370%	48.477%	6.000?	2.776?	-8.076?	0.000m	0.000m	0.000m	2.100%	2.500%
88.60%	10.162%	47.506%	5.316?	34.821?	-32.163?	0.892m	0.849m	1.231m	8.902%	8.630%
74.98%	15.907%	46.649%	4.500?	51.979?	-46.432?	1.502m	1.470m	1.892m	13.806%	13.363%
49.97%	21.568%	45.752%	3.000?	65.000?	-56.660?	1.547m	1.536m	1.753m	18.494%	17.899%
25.00%	23.910%	45.829%	1.601?	67.538?	-61.381?	0.915m	0.963m	0.997m	20.265%	19.748%
0.00%	25.163%	45.906%	0.000?	69.978?	-62.815?	0.000m	0.000m	0.000m	21.144%	20.547%

### Chord Data

Luff : 12.2841m  
Leech : 10.1442m  
Foot : 6.2593m  
Headboard width : 0.0100m

### Fanned Foot Curve Depths

25.0%	50.0%	75.0%
0.3006m	0.3201m	0.1716m

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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/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
Sail:	0.000m	0.000m	0.000m

## Total Seam Lengths (m)

Horizontal	21.89
Radial/Vertical	235.13
Bi-Radial Split	8.11

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	74.48	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\14,1\15 1b\1,1b\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 1b\15,1b\16,2\1,2\2,2\3 2\4,2\5,2\6,2\7,2\8 2\9,2b\9,2b\8,2b\7,2b\6 2b\5,2b\4,2b\3,2b\2,2b\1 3\1,3\2,3\3,3\4,3\5 3\6,3\7,3\8,3b\8,3b\7 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

