

# Asymmetric: 8001210 Petri Inferno31 codezero.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001210 Petri Inde

Initial Design Date: 18/12/2024  
Boat:  
Inferno31 codezero  
Client:

Comments:

Design Data  
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Asymmetric

Measurements

Luff length (SLU):	11.800m	
Leech length (SLE):	10.872m	
Foot length (SFL):	7.140m	
Headboard Width:	0.005m	
Three-quarter width:	2.470m	Closest Pt: 2.120m
Half width (SHW):	4.490m	Closest Pt: 3.992m
Quarter width:	5.977m	Closest Pt: 5.457m
ORC Area:	47.421m <sup>2</sup>	
IRC Area:	47.231m <sup>2</sup>	
Surface Area:	45.851m <sup>2</sup>	
Hoist height:	11.776m	
J:	4.200m	

Luff Curve

		Fanned Luff (@ 5.00% [0.341m])	Before BSeam
15.500m,	0.000m	100% (11.776m) :	0.000m
11.625m,	0.000m	90% (10.597m) :	-0.122m
7.750m,	0.000m	80% (9.419m) :	-0.228m
3.875m,	0.000m	70% (8.241m) :	-0.300m
0.000m,	0.000m	60% (7.064m) :	-0.332m
		50% (5.888m) :	-0.327m
		40% (4.711m) :	-0.299m
		30% (3.533m) :	-0.250m
		20% (2.356m) :	-0.183m
		10% (1.178m) :	-0.096m
		0% (0.000m) :	0.000m

Section Data

Position	Camber	Draft	Twist	Entry	Exit	Roach	Luff Off	Luff Roach	Fwd Camb	Aft Camb
100.00%	0.000%	40.000%	18.000?	0.744?	-0.348?	0.000m	0.000m	0.000m	0.000%	0.000%
87.47%	14.303%	40.375%	15.750?	46.283?	-23.331?	0.372m	0.169m	0.000m	11.621%	10.812%
74.97%	18.503%	40.750%	13.500?	55.765?	-29.539?	0.623m	0.301m	0.000m	14.915%	13.868%
62.47%	20.305%	41.125%	11.250?	59.236?	-30.708?	0.696m	0.369m	0.000m	16.280%	15.090%
49.93%	20.000%	41.500%	9.000?	60.000?	-30.463?	0.670m	0.368m	0.000m	16.042%	14.854%
37.49%	18.860%	41.875%	6.750?	58.195?	-29.455?	0.565m	0.327m	0.000m	15.125%	14.052%
25.00%	17.111%	42.250%	4.500?	55.106?	-27.592?	0.415m	0.249m	0.000m	13.753%	12.833%
12.50%	15.636%	42.625%	2.250?	50.923?	-24.599?	0.227m	0.137m	0.000m	12.550%	11.750%
0.00%	12.454%	43.000%	0.000?	46.056?	-20.369?	0.000m	0.000m	0.000m	10.161%	9.470%

Chord Data

Luff : 11.7692m  
Leech : 10.5170m  
Foot : 6.8280m  
Headboard width : 0.0050m

Fanned Foot Curve Depths

25.0%	50.0%	75.0%
0.0337m	0.0254m	0.0128m

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## Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.025m	0.014m	0.025m
Zone: 1/b	0.025m	0.014m	0.025m
Zone: 2/a	0.025m	0.014m	0.025m
Zone: 2/b	0.025m	0.014m	0.025m
Zone: 3/a	0.025m	0.014m	0.025m
Zone: 3/b	0.025m	0.014m	0.025m

## Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m

## Total Seam Lengths (m)

Horizontal	9.33
Radial/Vertical	142.71
Bi-Radial Split	11.38

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	33.55	1b\1,1b\2,1b\3,1b\4,1b\5 1b\6,1b\7,1b\8,1b\9,1b\10 1b\11,1b\12,2\1,2\2,2\3 2\4,2\5,2b\1,2b\2,2b\3 2b\4,2b\5,3\1,3\2,3\3 3\4,3b\1,3b\2,3b\3,3b\4
Material 2	12.38	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12

