

# Asymmetric: 5000822 Hans ORC Code Zero -V2.des

Design Info  
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Design File:  
E:\Dropbox\Fareast Sails\2021\5000822 Hans\5000822 Hans ORC Code Zero -V2.des

Initial Design Date: 3/9/2021  
Boat:

Comments:

Client:

Design Data  
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## Asymmetric

### Measurements

Luff length (SLU):	16.000m	
Leech length (SLE):	14.267m	
Foot length (SFL):	9.180m	
Headboard Width:	0.030m	
Three-quarter width:	2.985m	Closest Pt: 2.559m
Half width (SHW):	5.560m	Closest Pt: 4.876m
Quarter width:	7.523m	Closest Pt: 6.736m
ORC Area:	79.246m?	
IRC Area:	78.930m?	
Surface Area:	74.332m?	
Hoist height:	13.840m	
J:	4.881m	

### 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% [0.443m])

100% (15.973m) :	0.000m	0.000m
90% (14.375m) :	-0.148m	0.026m
80% (12.776m) :	-0.277m	0.071m
70% (11.179m) :	-0.365m	0.138m
60% (9.583m) :	-0.405m	0.195m
50% (7.986m) :	-0.398m	0.224m
40% (6.390m) :	-0.364m	0.223m
30% (4.793m) :	-0.305m	0.192m
20% (3.196m) :	-0.223m	0.154m
10% (1.598m) :	-0.117m	0.092m
0% (0.000m) :	0.000m	0.000m

### Before BSeam

## 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?	0.697?	-0.348?	0.000m	0.000m	0.000m	0.033%	0.000%
87.47%	12.633%	40.375%	15.750?	43.316?	-23.331?	0.362m	0.213m	0.000m	10.350%	9.668%
74.97%	16.343%	40.750%	13.500?	52.190?	-29.539?	0.600m	0.380m	0.000m	13.273%	12.408%
62.47%	17.935%	41.125%	11.250?	55.438?	-30.708?	0.703m	0.464m	0.000m	14.482%	13.499%
49.93%	17.665%	41.500%	9.000?	56.153?	-30.463?	0.696m	0.463m	0.000m	14.274%	13.291%
37.49%	16.658%	41.875%	6.750?	54.464?	-29.455?	0.572m	0.411m	0.000m	13.462%	12.583%
25.00%	15.114%	42.250%	4.500?	51.573?	-27.592?	0.417m	0.314m	0.000m	12.248%	11.510%
12.50%	13.811%	42.625%	2.250?	47.658?	-24.599?	0.223m	0.172m	0.000m	11.180%	10.559%
0.00%	11.000%	43.000%	0.000?	43.103?	-20.369?	0.000m	0.000m	0.000m	9.066%	8.538%

## Chord Data

Luff : 15.9640m  
Leech : 13.8918m  
Foot : 8.8559m  
Headboard width : 0.0300m

## Fanned Foot Curve Depths

25.0%	50.0%	75.0%
-0.1259m	-0.1966m	-0.1612m

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## Seam Allowances

	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
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.025m	0.025m	0.025m

## Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.050m	0.050m	0.050m
Cover 1	0.050m	0.050m	0.050m

## Total Seam Lengths (m)

Horizontal	10.75
Radial/Vertical	251.39
Bi-Radial Split	14.94

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	36.92	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	36.65	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
Material 3	0.76	3\5

