

# Genoa: 5000905 Victor-42m2-3-v2

Design Info  
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Design File:  
E:\dropbox\Dropbox\Fareast Sails\2021\5000905 Victor\5000905 Victor-42m2-3-v2.des

Initial Design Date: 3/12/2021  
Boat:

Comments:

Client:

Design Data  
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## Genoa

### Measurements

Luff geodesic: 13.050m  
 Leech geodesic: 11.230m  
 Foot geodesic: 7.165m  
 Headboard width: 0.035m  
 Luff perpendicular (HLP): 6.206m  
 Upper width (HUW): 0.711m  
 Three-quarter width (HTW): 1.416m  
 Half width (HHW): 2.952m  
 Quarter width (HQW): 4.569m  
 Foot median: 11.923m  
 ORC Headsail area: 39.409m?  
 IRC Headsail area: 39.318m?  
 Surface area: 40.287m?  
 Forestay height: 13.200m  
 J: 5.900m

### Luff Curve

13.049m,	0.000m
9.786m,	0.056m
6.525m,	0.074m
3.262m,	0.056m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.352m])		Before BSeam
100% (13.049m) :	-0.000m	0.000m
90% (11.743m) :	-0.024m	0.013m
80% (10.440m) :	-0.047m	0.027m
70% (9.134m) :	-0.065m	0.042m
60% (7.829m) :	-0.075m	0.053m
50% (6.524m) :	-0.079m	0.056m
40% (5.219m) :	-0.077m	0.052m
30% (3.914m) :	-0.069m	0.044m
20% (2.610m) :	-0.052m	0.031m
10% (1.303m) :	-0.028m	0.014m
0% (0.000m) :	0.000m	0.000m

### Section Data

Position	Camber	Draft	Twist	Entry	Exit	Roach	Fwd Camb	Aft Camb
100.00%	6.178%	41.484%	19.969?	26.952?	-11.648?	0.000m	5.114%	4.714%
80.00%	10.747%	42.559%	15.975?	54.529?	-22.483?	-0.153m	8.823%	8.135%
60.00%	11.500%	42.431%	11.982?	60.132?	-24.691?	-0.226m	9.206%	8.679%
39.99%	10.122%	41.720%	7.987?	58.054?	-22.096?	-0.206m	8.153%	7.660%
20.00%	8.064%	40.663%	3.994?	49.160?	-17.753?	-0.125m	6.604%	6.144%
10.00%	6.608%	40.221%	1.997?	41.215?	-14.909?	-0.068m	5.478%	5.068%
0.00%	4.932%	39.779%	0.000?	31.098?	-11.603?	0.000m	4.155%	3.839%

### Chord Data

Luff LL : 13.0486m  
 Leech : 11.1176m  
 Luff Perpendicular : 6.0085m  
 Clew Height : 0.9279m  
 Headboard width : 0.0350m

### Fanned Foot Curve Depths

25.0%	50.0%	75.0%
0.1671m	0.2316m	0.1675m

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## Seam Allowances

	Split	Radial	Cross
Zone: 1	0.000m	0.000m	0.035m
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	0.070m	0.070m
Cover 1	0.050m	0.070m	0.070m

## Total Seam Lengths (m)

Horizontal	30.63
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	40.40	1,2,3,4,5 6,7,8,9,10

