

Mainsail: 7000207 Victor mainsail.des

Design Info
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Design File:
C:\Users\Administrator\Desktop\0215\0215\7000207 Victor mainsail.des

Initial Design Date: 15/2/2023
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic:	8.563m
Leech geodesic:	8.876m
Foot geodesic:	2.618m
Head geodesic:	0.115m
Upper width (MUW):	0.546m
Three-quarter width (MTW):	0.977m
Half width (MHW):	1.685m
Quarter width (MQW):	2.207m
Foot median:	8.683m
ORC Mainsail area:	13.347m?
Surface area:	13.582m?
Clew height:	0.100m
Mast rake:	0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	0.550m	0.167m	75.126?	6.845m	7.081m	
60.000%	0.785m	0.230m	75.126?	5.133m	5.311m	
40.000%	0.785m	0.206m	75.126?	3.422m	3.540m	
20.000%	0.654m	0.117m	75.126?	1.711m	1.770m	

Reefing Points

1, Luff: 1.284m ; Leech: 1.315m ; Offset: 0.000m ; Number Eyelets: 2
2, Luff: 2.568m ; Leech: 2.631m ; Offset: 0.000m ; Number Eyelets: 2

Draft Stripes

1, Luff: 2.825m ; Leech: 2.840m ;
2, Luff: 5.650m ; Leech: 5.774m ;

Luff Curve

		Fanned Luff (@ 5.00% [0.130m])	Before BSeam
8.563m,	0.000m	100% (8.563m) :	0.000m
7.496m,	-0.022m	90% (7.707m) :	0.012m
6.422m,	-0.039m	80% (6.850m) :	0.023m
5.346m,	-0.047m	70% (5.994m) :	0.030m
4.281m,	-0.048m	60% (5.138m) :	0.033m
3.191m,	-0.045m	50% (4.282m) :	0.033m
2.141m,	-0.036m	40% (3.425m) :	0.031m
1.067m,	-0.020m	30% (2.569m) :	0.026m
0.000m,	0.000m	20% (1.713m) :	0.020m
		10% (0.856m) :	0.010m
		0% (0.000m) :	0.000m

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.000m	0.000m	0.000m

Edge Excesses			
Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	0.00
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	13.57	1,2,3,4,5 6,7,8

