

Mainsail: 8001111 Will-1 Mainsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001111 Will Town

Initial Design Date: 26/11/2024
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic:	10.919m
Leech geodesic:	11.813m
Foot geodesic:	4.653m
Head geodesic:	0.115m
Upper width (MUW):	0.881m
Three-quarter width (MTW):	1.636m
Half width (MHW):	2.885m
Quarter width (MQW):	3.874m
Foot median:	11.282m
ORC Mainsail area:	29.428m?
Surface area:	30.508m?
Clew height:	0.100m
Mast rake:	0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	1.447m	0.320m	68.760?	8.730m	9.400m	Full
60.000%	2.513m	0.415m	68.760?	6.547m	7.050m	Full
40.000%	3.368m	0.353m	68.760?	4.364m	4.700m	Full
20.000%	4.070m	0.202m	68.760?	2.182m	2.350m	Full

Reefing Points

- 1, Luff: 1.100m ; Leech: 1.157m ; Offset: 0.000m ; Number Eyelets: 2
- 2, Luff: 2.600m ; Leech: 2.731m ; Offset: 0.000m ; Number Eyelets: 2

Draft Stripes

- 1, Luff: 3.602m ; Leech: 3.690m ;
- 2, Luff: 7.205m ; Leech: 7.560m ;

Luff Slides

- 1, Position: 0.727m
- 2, Position: 1.455m
- 3, Position: 2.909m
- 4, Position: 3.637m
- 5, Position: 5.092m
- 6, Position: 5.819m
- 7, Position: 7.275m
- 8, Position: 8.003m
- 9, Position: 9.460m
- 10, Position: 10.189m

Luff Curve

		Fanned Luff (@ 5.00% [0.232m])	Before BSeam
10.919m,	0.000m	100% (10.919m) :	0.000m
9.558m,	-0.025m	90% (9.827m) :	0.049m
8.189m,	-0.043m	80% (8.735m) :	0.091m
6.817m,	-0.051m	70% (7.643m) :	0.120m
5.459m,	-0.052m	60% (6.551m) :	0.136m
4.068m,	-0.048m	50% (5.460m) :	0.140m
2.730m,	-0.038m	40% (4.368m) :	0.134m
1.361m,	-0.022m	30% (3.276m) :	0.115m
0.000m,	0.000m	20% (2.184m) :	0.084m
		10% (1.092m) :	0.042m
		0% (0.000m) :	0.000m

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.030m	0.030m	0.030m

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

Total Seam Lengths (m)

Horizontal	26.09
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	30.49	1,2,3,4,5 6,7,8,9,10

