

Genoa: 8001111 Will-2 Headsail.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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Genoa

Measurements

Luff geodesic:	11.979m
Leech geodesic:	11.178m
Foot geodesic:	5.484m
Headboard width:	0.040m
Luff perpendicular (HLP):	5.135m
Upper width (HUW):	0.553m
Three-quarter width (HTW):	1.114m
Half width (HHW):	2.376m
Quarter width (HQW):	3.736m
Foot median:	11.417m
ORC Headsail area:	29.497m?
IRC Headsail area:	29.382m?
Surface area:	29.717m?
Forestay height:	11.700m
J:	3.950m

Draft Stripes

- 1, Luff: 3.009m ; Leech: 2.568m ;
- 2, Luff: 6.018m ; Leech: 5.442m ;
- 3, Luff: 9.013m ; Leech: 8.285m ;

Luff Curve

11.977m,	0.000m
10.981m,	0.041m
9.881m,	0.073m
8.912m,	0.090m
7.785m,	0.097m
5.960m,	0.085m
3.892m,	0.058m
2.024m,	0.029m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.269m])

100% (11.977m) :	0.000m	-0.000m
90% (10.777m) :	-0.050m	-0.020m
80% (9.583m) :	-0.082m	-0.023m
70% (8.384m) :	-0.096m	-0.012m
60% (7.187m) :	-0.097m	0.008m
50% (5.989m) :	-0.087m	0.028m
40% (4.791m) :	-0.072m	0.045m
30% (3.593m) :	-0.055m	0.052m
20% (2.396m) :	-0.037m	0.046m
10% (1.197m) :	-0.019m	0.025m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.030m	0.030m	0.030m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.025m	0.025m	0.025m
Cover 3	0.000m	0.000m	0.000m
Cover 4	0.000m	0.000m	0.000m

Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.070m	0.100m	0.070m
Cover 1	0.070m	0.070m	0.100m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.000m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	22.79
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	29.77	1,2,3,4,5 6,7,8,9

