

Genoa: 7000621 Baoyu Hanks genoa.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000621 Baoyu\7000

Initial Design Date: 30/6/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	7.016m
Leech geodesic:	7.036m
Foot geodesic:	4.115m
Headboard width:	0.052m
Luff perpendicular (HLP):	3.974m
Upper width (HUW):	0.459m
Three-quarter width (HTW):	0.923m
Half width (HHW):	1.897m
Quarter width (HQW):	2.927m
Foot median:	6.876m
ORC Headsail area:	13.624m?
IRC Headsail area:	13.578m?
Surface area:	13.822m?
Forestay height:	7.163m
J:	2.438m

Draft Stripes

1, Luff: 2.327m ; Leech: 2.436m ;
2, Luff: 4.649m ; Leech: 4.697m ;

Luff Slides

1, Position: 0.500m
2, Position: 1.196m
3, Position: 1.892m
4, Position: 2.589m
5, Position: 3.285m
6, Position: 3.981m
7, Position: 4.677m
8, Position: 5.373m
9, Position: 6.069m
10, Position: 6.766m

Luff Curve

7.014m,	0.000m
6.431m,	0.024m
5.787m,	0.043m
5.219m,	0.053m
4.559m,	0.057m
3.491m,	0.050m
2.280m,	0.034m
1.186m,	0.017m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.203m])

100% (7.014m) :	0.000m	0.000m
90% (6.312m) :	-0.034m	-0.008m
80% (5.613m) :	-0.051m	0.006m
70% (4.910m) :	-0.059m	0.018m
60% (4.209m) :	-0.059m	0.026m
50% (3.507m) :	-0.053m	0.033m
40% (2.806m) :	-0.045m	0.038m
30% (2.104m) :	-0.035m	0.039m
20% (1.403m) :	-0.024m	0.035m
10% (0.701m) :	-0.013m	0.020m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.025m	0.025m	0.025m

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

Total Seam Lengths (m)

Horizontal	14.03
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	13.87	1,2,3,4,5 6,7

