

# Genoa: 7000621 Baoyu Hanks genoaV1.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:	23.017Ft
Leech geodesic:	22.850Ft
Foot geodesic:	13.360Ft
Headboard width:	0.171Ft
Luff perpendicular (HLP):	12.846Ft
Upper width (HUW):	1.483Ft
Three-quarter width (HTW):	2.978Ft
Half width (HHW):	6.123Ft
Quarter width (HQW):	9.455Ft
Foot median:	22.458Ft
ORC Headsail area:	144.369Ft?
IRC Headsail area:	143.889Ft?
Surface area:	146.510Ft?
Forestay height:	23.500Ft
J:	8.000Ft

## Draft Stripes

1, Luff: 7.633Ft ; Leech: 7.769Ft ;  
2, Luff: 15.253Ft ; Leech: 15.185Ft ;

## Luff Slides

1, Position: 1.640Ft  
2, Position: 3.924Ft  
3, Position: 6.208Ft  
4, Position: 8.493Ft  
5, Position: 10.777Ft  
6, Position: 13.061Ft  
7, Position: 15.345Ft  
8, Position: 17.629Ft  
9, Position: 19.913Ft  
10, Position: 22.197Ft

## Luff Curve

23.012Ft,	0.000Ft
21.100Ft,	0.078Ft
18.985Ft,	0.141Ft
17.123Ft,	0.174Ft
14.959Ft,	0.186Ft
11.452Ft,	0.163Ft
7.479Ft,	0.111Ft
3.890Ft,	0.055Ft
0.000Ft,	0.000Ft

## Fanned Luff (@ 5.00% [0.658Ft])

100% (23.012Ft) :	0.000Ft	-0.000Ft
90% (20.708Ft) :	-0.113Ft	-0.025Ft
80% (18.414Ft) :	-0.169Ft	0.017Ft
70% (16.110Ft) :	-0.195Ft	0.056Ft
60% (13.809Ft) :	-0.196Ft	0.082Ft
50% (11.507Ft) :	-0.179Ft	0.105Ft
40% (9.206Ft) :	-0.151Ft	0.122Ft
30% (6.904Ft) :	-0.117Ft	0.128Ft
20% (4.604Ft) :	-0.080Ft	0.112Ft
10% (2.299Ft) :	-0.043Ft	0.067Ft
0% (0.000Ft) :	0.000Ft	0.000Ft

## Before BSeam

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.082Ft	0.082Ft	0.082Ft

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

### Total Seam Lengths (Ft)

Horizontal	45.85
Radial/Vertical	0.00
Bi-Radial Split	0.00

### Materials

Material	Area (Ft <sup>2</sup> )	Panels
Material 1	146.99	1,2,3,4,5 6,7

