

# Genoa: 8001107 Chris-3 hanks headsailV1 .des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001107 Chris sur

Initial Design Date: 22/11/2024  
Boat:

Comments:  
9.8m luff genoa 3

Client:

Design Data  
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Genoa

Measurements

Luff geodesic: 9.730m  
 Leech geodesic: 9.200m  
 Foot geodesic: 5.000m  
 Headboard width: 0.045m  
 Luff perpendicular (HLP): 4.702m  
 Upper width (HUW): 0.618m  
 Three-quarter width (HTW): 1.201m  
 Half width (HHW): 2.385m  
 Quarter width (HQW): 3.562m  
 Foot median: 9.283m  
 ORC Headsail area: 23.132m?  
 IRC Headsail area: 23.084m?  
 Surface area: 23.529m?  
 Forestay height: 10.330m  
 J: 3.100m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
75.000%	0.300m	0.000m	81.637?	7.289m	6.860m	
50.000%	0.500m	0.000m	81.637?	4.861m	4.573m	
25.000%	0.300m	0.000m	81.637?	2.431m	2.287m	

Draft Stripes

1, Luff: 3.225m ; Leech: 2.747m ;  
 2, Luff: 6.445m ; Leech: 5.903m ;

Luff Slides

- 1, Position: 0.250m
- 2, Position: 1.030m
- 3, Position: 1.810m
- 4, Position: 2.590m
- 5, Position: 3.370m
- 6, Position: 4.150m
- 7, Position: 4.930m
- 8, Position: 5.710m
- 9, Position: 6.490m
- 10, Position: 7.270m
- 11, Position: 8.050m
- 12, Position: 8.830m
- 13, Position: 9.610m

Luff Curve

		Fanned Luff (@ 5.00% [0.247m])	Before BSeam
9.728m,	0.000m	100% (9.728m) :	-0.000m 0.000m
8.920m,	0.033m	90% (8.755m) :	-0.034m 0.003m
8.026m,	0.060m	80% (7.784m) :	-0.060m 0.010m
7.239m,	0.073m	70% (6.810m) :	-0.074m 0.019m
6.323m,	0.079m	60% (5.838m) :	-0.076m 0.030m
4.841m,	0.069m	50% (4.864m) :	-0.071m 0.039m
3.162m,	0.047m	40% (3.892m) :	-0.061m 0.042m
1.644m,	0.023m	30% (2.918m) :	-0.048m 0.040m
0.000m,	0.000m	20% (1.946m) :	-0.033m 0.033m
		10% (0.972m) :	-0.017m 0.020m
		0% (0.000m) :	0.000m 0.000m

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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	18.13
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	23.57	1,2,3,4,5 6,7,8

