

Genoa: 8001107 Chris-3 hanks headsail .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: 16/11/2024
Boat:

Comments:

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: 0.500m
 2, Position: 1.227m
 3, Position: 1.955m
 4, Position: 2.682m
 5, Position: 3.410m
 6, Position: 4.137m
 7, Position: 4.865m
 8, Position: 5.593m
 9, Position: 6.320m
 10, Position: 7.048m
 11, Position: 7.775m
 12, Position: 8.503m
 13, Position: 9.230m

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:	Split	Radial	Cross
1	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 ²)	Panels
Material 1	23.57	1,2,3,4,5 6,7,8

