

Genoa: 8001107 Chris-2 11m Vessel 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: 9.030m
 Leech geodesic: 7.400m
 Foot geodesic: 4.100m
 Headboard width: 0.045m
 Luff perpendicular (HLP): 3.348m
 Upper width (HUW): 0.482m
 Three-quarter width (HTW): 0.920m
 Half width (HHW): 1.765m
 Quarter width (HQW): 2.576m
 Foot median: 8.116m
 ORC Headsail area: 15.650m?
 IRC Headsail area: 15.637m?
 Surface area: 15.961m?
 Forestay height: 9.500m
 J: 3.100m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	0.923m	0.060m	100.841?	7.212m	5.881m	Full
60.000%	1.762m	0.078m	100.841?	5.416m	4.411m	Full
40.000%	2.573m	0.068m	100.841?	3.614m	2.940m	Full
20.000%	3.353m	0.039m	100.841?	1.808m	1.470m	Full

Draft Stripes

1, Luff: 2.994m ; Leech: 1.550m ;
 2, Luff: 5.983m ; Leech: 4.406m ;

Luff Slides

1, Position: 0.904m
 2, Position: 2.711m
 3, Position: 4.515m
 4, Position: 6.314m
 5, Position: 8.121m

Luff Curve

		Fanned Luff (@ 5.00% [0.193m])	Before BSeam
9.028m,	0.000m	100% (9.028m) :	-0.000m 0.000m
8.278m,	0.031m	90% (8.127m) :	-0.036m -0.001m
7.448m,	0.055m	80% (7.223m) :	-0.063m 0.003m
6.718m,	0.068m	70% (6.320m) :	-0.077m 0.010m
5.868m,	0.073m	60% (5.417m) :	-0.080m 0.020m
4.493m,	0.064m	50% (4.514m) :	-0.073m 0.028m
2.934m,	0.043m	40% (3.611m) :	-0.062m 0.031m
1.526m,	0.022m	30% (2.709m) :	-0.048m 0.030m
0.000m,	0.000m	20% (1.806m) :	-0.032m 0.025m
		10% (0.902m) :	-0.017m 0.014m
		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	12.08
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	15.95	1,2,3,4,5 6,7

