

Genoa: 7001012 Linio-2 Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001012 Linio\7001

Initial Design Date: 26/10/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic: 14.607m
Leech geodesic: 14.067m
Foot geodesic: 7.084m
Headboard width: 0.034m
Luff perpendicular (HLP): 6.767m
Upper width (HUW): 0.742m
Three-quarter width (HTW): 1.495m
Half width (HHW): 3.141m
Quarter width (HQW): 4.931m
Foot median: 14.117m
ORC Headsail area: 47.532m?
IRC Headsail area: 47.364m?
Surface area: 47.864m?
Forestay height: 14.935m
J: 4.511m

Draft Stripes

1, Luff: 3.668m ; Leech: 3.378m ;
2, Luff: 7.334m ; Leech: 6.958m ;
3, Luff: 10.987m ; Leech: 10.485m ;

Luff Curve

14.604m, 0.000m
13.391m, 0.050m
12.048m, 0.090m
10.867m, 0.110m
9.493m, 0.118m
7.268m, 0.104m
4.746m, 0.070m
2.469m, 0.035m
0.000m, 0.000m

Fanned Luff (@ 5.00% [0.346m])

100% (14.605m) : -0.000m
90% (13.143m) : -0.055m
80% (11.686m) : -0.095m
70% (10.224m) : -0.114m
60% (8.764m) : -0.115m
50% (7.303m) : -0.104m
40% (5.842m) : -0.087m
30% (4.381m) : -0.066m
20% (2.922m) : -0.045m
10% (1.459m) : -0.023m
0% (0.000m) : 0.000m

Before BSeam

-0.000m
-0.009m
-0.006m
0.008m
0.029m
0.050m
0.064m
0.068m
0.059m
0.035m
0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.038m	0.016m	0.038m
Zone: 1/b	0.038m	0.016m	0.038m
Zone: 2/a	0.038m	0.016m	0.038m
Zone: 2/b	0.038m	0.016m	0.038m
Zone: 3	0.038m	0.016m	0.038m
Zone: 4	0.038m	0.016m	0.038m

Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	9.79
Radial/Vertical	175.29
Bi-Radial Split	7.60

Materials

Material	Area (m ²)	Panels
Material 1	47.92	1\1, 1\2, 1\3, 1\4, 1\5 1\6, 1\7, 1\8, 1\9, 1\10 1\11, 1\12, 1\13, 1b\1, 1b\2 1b\3, 1b\4, 1b\5, 1b\6, 1b\7 1b\8, 1b\9, 1b\10, 1b\11, 1b\12 1b\13, 2\1, 2\2, 2\3, 2\4 2\5, 2\6, 2b\1, 2b\2, 2b\3 2b\4, 2b\5, 2b\6, 3\1, 3\2 3\3, 3\4, 3\5, 3\6, 3\7 3\8, 4\1, 4\2, 4\3, 4\4 4\5, 4\6

