

Genoa: 7001112 Roy Pearson Ensign hanks Genoa.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\7001112 Roy\7001

Initial Design Date: 3/1/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic: 23.512Ft
Leech geodesic: 23.000Ft
Foot geodesic: 13.500Ft
Headboard width: 0.170Ft
Luff perpendicular (HLP): 12.882Ft
Upper width (HUW): 1.509Ft
Three-quarter width (HTW): 2.950Ft
Half width (HHW): 6.072Ft
Quarter width (HQW): 9.445Ft
Foot median: 22.837Ft
ORC Headsail area: 147.260Ft?
IRC Headsail area: 146.700Ft?
Surface area: 149.819Ft?
Forestay height: 25.000Ft
J: 7.510Ft

Draft Stripes

1, Luff: 7.793Ft ; Leech: 7.323Ft ;
2, Luff: 15.573Ft ; Leech: 15.033Ft ;

Luff Slides

1, Position: 1.476Ft
2, Position: 3.779Ft
3, Position: 6.082Ft
4, Position: 8.384Ft
5, Position: 10.687Ft
6, Position: 12.990Ft
7, Position: 15.292Ft
8, Position: 17.595Ft
9, Position: 19.898Ft
10, Position: 22.200Ft

Luff Curve

23.508Ft, 0.000Ft
21.555Ft, 0.080Ft
19.394Ft, 0.144Ft
17.492Ft, 0.177Ft
15.281Ft, 0.190Ft
11.698Ft, 0.167Ft
7.640Ft, 0.113Ft
3.973Ft, 0.057Ft
0.000Ft, 0.000Ft

Fanned Luff (@ 5.00% [0.658Ft])

100% (23.508Ft) : -0.000Ft
90% (21.156Ft) : -0.090Ft
80% (18.810Ft) : -0.153Ft
70% (16.457Ft) : -0.185Ft
60% (14.106Ft) : -0.187Ft
50% (11.755Ft) : -0.170Ft
40% (9.404Ft) : -0.143Ft
30% (7.053Ft) : -0.110Ft
20% (4.703Ft) : -0.075Ft
10% (2.349Ft) : -0.038Ft
0% (0.000Ft) : 0.000Ft

Before BSeam

0.000Ft
-0.004Ft
0.012Ft
0.043Ft
0.082Ft
0.118Ft
0.142Ft
0.144Ft
0.120Ft
0.069Ft
0.000Ft

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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	34.78
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (Ft ²)	Panels
Material 1	150.19	1,2,3,4,5 6

