

Genoa: 7000814 Hans HeadsailV1.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7000814 Hans\7000

Initial Design Date: 4/10/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic: 14.520m
Leech geodesic: 14.142m
Foot geodesic: 7.101m
Headboard width: 0.035m
Luff perpendicular (HLP): 6.825m
Upper width (HUW): 0.754m
Three-quarter width (HTW): 1.518m
Half width (HHW): 3.182m
Quarter width (HQW): 4.985m
Foot median: 14.183m
ORC Headsail area: 47.773m?
IRC Headsail area: 47.603m?
Surface area: 48.421m?
Forestay height: 15.650m
J: 4.550m

Draft Stripes

1, Luff: 3.645m ; Leech: 3.460m ;
2, Luff: 7.290m ; Leech: 7.038m ;
3, Luff: 10.920m ; Leech: 10.563m ;

Luff Curve

14.517m, 0.000m
13.311m, 0.050m
11.977m, 0.090m
10.802m, 0.111m
9.437m, 0.119m
7.224m, 0.104m
4.718m, 0.071m
2.454m, 0.035m
0.000m, 0.000m

Fanned Luff (@ 5.00% [0.346m])

100% (14.517m) : 0.000m
90% (13.064m) : -0.056m
80% (11.616m) : -0.095m
70% (10.163m) : -0.115m
60% (8.711m) : -0.116m
50% (7.259m) : -0.105m
40% (5.807m) : -0.088m
30% (4.355m) : -0.068m
20% (2.904m) : -0.046m
10% (1.451m) : -0.023m
0% (0.000m) : 0.000m

Before BSeam

0.000m
-0.009m
-0.006m
0.008m
0.029m
0.049m
0.064m
0.068m
0.058m
0.034m
0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.040m	0.040m	0.040m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.025m	0.025m	0.025m
Cover 3	0.000m	0.000m	0.000m
Cover 4	0.000m	0.000m	0.000m

Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.070m	0.100m	0.070m
Cover 1	0.070m	0.070m	0.100m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.000m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	41.50
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	48.50	1,2,3,4,5 6,7,8,9,10 11,12

