

Genoa: 8000605 Filippos Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000605 Filippos h

Initial Design Date: 12/6/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	7.060m
Leech geodesic:	6.950m
Foot geodesic:	4.580m
Headboard width:	0.025m
Luff perpendicular (HLP):	4.343m
Upper width (HUW):	0.507m
Three-quarter width (HTW):	1.012m
Half width (HHW):	2.090m
Quarter width (HQW):	3.210m
Foot median:	6.772m
ORC Headsail area:	15.022m?
IRC Headsail area:	14.986m?
Surface area:	15.179m?
Forestay height:	8.000m
J:	2.850m

Draft Stripes

- 1, Luff: 2.342m ; Leech: 2.283m ;
- 2, Luff: 4.673m ; Leech: 4.578m ;

Luff Curve

7.059m,	0.000m
5.644m,	0.030m
4.229m,	0.041m
2.817m,	0.038m
1.407m,	0.024m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.224m])

		Before BSeam
100% (7.059m) :	0.000m	0.000m
90% (6.353m) :	-0.015m	0.012m
80% (5.648m) :	-0.029m	0.024m
70% (4.942m) :	-0.038m	0.037m
60% (4.236m) :	-0.042m	0.048m
50% (3.530m) :	-0.042m	0.057m
40% (2.824m) :	-0.040m	0.059m
30% (2.118m) :	-0.035m	0.055m
20% (1.412m) :	-0.026m	0.043m
10% (0.705m) :	-0.014m	0.024m
0% (0.000m) :	0.000m	0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.025m	0.025m	0.025m
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

	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	15.50
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	15.21	1,2,3,4,5 6,7

