

Genoa: 8000220 Imre-1 Bavaria38 furlgen.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000220 Imre Bav

Initial Design Date: 19/2/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	13.260m
Leech geodesic:	12.650m
Foot geodesic:	6.300m
Headboard width:	0.035m
Luff perpendicular (HLP):	5.977m
Upper width (HUW):	0.642m
Three-quarter width (HTW):	1.286m
Half width (HHW):	2.759m
Quarter width (HQW):	4.340m
Foot median:	12.752m
ORC Headsail area:	37.926m?
IRC Headsail area:	37.796m?
Surface area:	38.116m?
Forestay height:	13.550m
J:	4.750m

Draft Stripes

- 1, Luff: 4.398m ; Leech: 4.168m ;
- 2, Luff: 8.788m ; Leech: 8.324m ;

Luff Curve

13.257m,	0.000m
12.156m,	0.045m
10.937m,	0.081m
9.865m,	0.100m
8.618m,	0.107m
6.597m,	0.094m
4.309m,	0.064m
2.241m,	0.032m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.310m])

100% (13.258m) :	0.000m	0.000m
90% (11.930m) :	-0.051m	-0.018m
80% (10.608m) :	-0.093m	-0.028m
70% (9.281m) :	-0.109m	-0.012m
60% (7.955m) :	-0.106m	0.015m
50% (6.629m) :	-0.095m	0.035m
40% (5.303m) :	-0.079m	0.046m
30% (3.977m) :	-0.059m	0.050m
20% (2.652m) :	-0.040m	0.044m
10% (1.325m) :	-0.020m	0.024m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.035m	0.035m	0.035m
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	28.77
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	38.22	1,2,3,4,5 6,7,8,9,10

