

Genoa: 7000210 Joe-2 Formosa 46 headsail.des

Design Info
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Design File:
F:\Dropbox\Dropbox-20221019\Dropbox20221213\Dropbox\Fareast Sails\2023 Order\Need Confrim Order\7000210 Jo

Initial Design Date: 21/2/2023
Boat:
Formosa 46
Client:

Comments:
Formosa 46 furlgenoa, cross cut,fast 9.88
3 Draft stripe
seam 38mm
tack height off deck 36inch
clew height off deck 48inch

Design Data
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Genoa

Measurements

Luff geodesic: 15.389m
Leech geodesic: 14.629m
Foot geodesic: 7.110m
Headboard width: 0.038m
Luff perpendicular (HLP): 6.731m
Upper width (HUW): 0.730m
Three-quarter width (HTW): 1.463m
Half width (HHW): 3.117m
Quarter width (HQW): 4.875m
Foot median: 14.843m
ORC Headsail area: 49.611m?
IRC Headsail area: 49.513m?
Surface area: 50.063m?
Forestay height: 16.764m
J: 5.385m

Draft Stripes

1, Luff: 3.865m ; Leech: 3.483m ;
2, Luff: 7.729m ; Leech: 7.207m ;
3, Luff: 11.577m ; Leech: 10.878m ;

Luff Curve

		Fanned Luff (@ 5.00% [0.350m])	Before BSeam
15.386m,	0.000m	100% (15.387m) :	-0.000m
14.108m,	0.052m	90% (13.847m) :	-0.014m
12.694m,	0.094m	80% (12.312m) :	-0.019m
11.449m,	0.116m	70% (10.771m) :	0.002m
10.001m,	0.124m	60% (9.233m) :	0.031m
7.657m,	0.109m	50% (7.694m) :	0.046m
5.001m,	0.074m	40% (6.155m) :	0.050m
2.601m,	0.037m	30% (4.616m) :	0.050m
0.000m,	0.000m	20% (3.078m) :	0.042m
		10% (1.537m) :	0.023m
		0% (0.000m) :	0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.000m	0.000m	0.038m
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	0.070m	0.070m
Cover 1	0.070m	0.070m	0.070m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.000m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	43.92
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	50.20	1,2,3,4,5 6,7,8,9,10 11,12,13

