

# Genoa: 6001211 Ed.des

Design Info  
=====

Design File:  
F:\Dropbox\Dropbox\Fareast Sails\2022 Order\Need confirm order\6001211 Ed\6001211 Ed.des

Initial Design Date: 22/12/2022  
Boat:

Comments:

Client:

Design Data  
=====

## Genoa

### Measurements

Luff geodesic: 7.610m  
 Leech geodesic: 7.340m  
 Foot geodesic: 4.500m  
 Headboard width: 0.035m  
 Luff perpendicular (HLP): 4.253m  
 Upper width (HUW): 0.547m  
 Three-quarter width (HTW): 1.068m  
 Half width (HHW): 2.146m  
 Quarter width (HQW): 3.216m  
 Foot median: 7.315m  
 ORC Headsail area: 16.297m?  
 IRC Headsail area: 16.260m?  
 Surface area: 16.653m?  
 Forestay height: 7.840m  
 J: 2.760m

### Battens

Position	Length	Roach	Angle	Luff	Leech	Full
75.000%	1.200m	-0.037m	145.636?	118.063m	5.457m	
50.000%	1.200m	-0.050m	145.636?	239.583m	3.638m	
25.000%	1.200m	-0.036m	145.636?	361.104m	1.819m	

### Luff Curve

		Fanned Luff (@ 5.00% [0.222m])	Before BSeam
7.609m,	0.000m	100% (7.609m) :	-0.000m 0.000m
5.707m,	0.033m	90% (6.848m) :	-0.014m 0.018m
3.805m,	0.043m	80% (6.088m) :	-0.026m 0.037m
1.902m,	0.033m	70% (5.326m) :	-0.036m 0.054m
0.000m,	0.000m	60% (4.566m) :	-0.042m 0.066m
		50% (3.805m) :	-0.045m 0.070m
		40% (3.044m) :	-0.044m 0.067m
		30% (2.282m) :	-0.040m 0.057m
		20% (1.522m) :	-0.031m 0.040m
		10% (0.760m) :	-0.017m 0.019m
		0% (0.000m) :	0.000m 0.000m

# Genoa: 6001211 Ed.des

## Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.025m
Zone: 1/b	0.025m	0.015m	0.025m
Zone: 2/a	0.025m	0.015m	0.025m
Zone: 2/b	0.025m	0.015m	0.025m
Zone: 3	0.025m	0.015m	0.025m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.025m	0.025m	0.025m
Cover 3	0.025m	0.025m	0.025m
Cover 4	0.025m	0.025m	0.025m

## Edge Excesses

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

## Total Seam Lengths (m)

Horizontal	4.55
Radial/Vertical	64.17
Bi-Radial Split	5.08

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	16.68	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1b\1,1b\2,1b\3,1b\4,1b\5 1b\6,1b\7,1b\8,1b\9,1b\10 2\1,2\2,2\3,2b\1,2b\2 2b\3,3\1,3\2,3\3,3\4

