

# Genoa: 7000424 Ofra C&C 33 MK II 150% genoaV1.des

Design Info  
=====

Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000424 Ofra\7000424

Initial Design Date: 28/8/2021  
Boat:

Comments:

Client:

Design Data  
=====

## Genoa

### Measurements

Luff geodesic: 42.270Ft  
Leech geodesic: 41.543Ft  
Foot geodesic: 20.284Ft  
Headboard width: 0.082Ft  
Luff perpendicular (HLP): 19.636Ft  
Upper width (HUW): 2.117Ft  
Three-quarter width (HTW): 4.281Ft  
Half width (HHW): 9.192Ft  
Quarter width (HQW): 14.368Ft  
Foot median: 41.506Ft  
ORC Headsail area: 399.807Ft?  
IRC Headsail area: 398.326Ft?  
Surface area: 406.155Ft?  
Forestay height: 44.488Ft  
J: 13.091Ft

### Draft Stripes

1, Luff: 10.612Ft ; Leech: 10.516Ft ;  
2, Luff: 21.222Ft ; Leech: 20.903Ft ;  
3, Luff: 31.791Ft ; Leech: 31.131Ft ;

### Luff Curve

42.262Ft, 0.000Ft  
38.750Ft, 0.143Ft  
34.866Ft, 0.259Ft  
31.447Ft, 0.319Ft  
27.472Ft, 0.342Ft  
21.031Ft, 0.300Ft  
13.735Ft, 0.204Ft  
7.144Ft, 0.102Ft  
0.000Ft, 0.000Ft

### Fanned Luff (@ 5.00% [0.995Ft])

100% (42.263Ft) : -0.000Ft  
90% (38.033Ft) : -0.150Ft  
80% (33.816Ft) : -0.277Ft  
70% (29.586Ft) : -0.334Ft  
60% (25.360Ft) : -0.335Ft  
50% (21.133Ft) : -0.307Ft  
40% (16.906Ft) : -0.261Ft  
30% (12.679Ft) : -0.204Ft  
20% (8.455Ft) : -0.141Ft  
10% (4.223Ft) : -0.074Ft  
0% (0.000Ft) : 0.000Ft

### Before BSeam

-0.000Ft  
-0.004Ft  
0.012Ft  
0.077Ft  
0.159Ft  
0.218Ft  
0.240Ft  
0.225Ft  
0.179Ft  
0.106Ft  
0.000Ft

# Genoa: 7000424 Ofra C&C 33 MK II 150% genoaV1.des

## Seam Allowances

| Zone:     | Split   | Radial  | Cross   |
|-----------|---------|---------|---------|
| Zone: 1/a | 0.125Ft | 0.049Ft | 0.125Ft |
| Zone: 1/b | 0.125Ft | 0.049Ft | 0.125Ft |
| Zone: 2/a | 0.125Ft | 0.049Ft | 0.125Ft |
| Zone: 2/b | 0.125Ft | 0.049Ft | 0.125Ft |
| Zone: 3   | 0.125Ft | 0.049Ft | 0.125Ft |
| Zone: 4   | 0.125Ft | 0.049Ft | 0.125Ft |

## Edge Excesses

| Sail: | Luff    | Leech   | Foot    |
|-------|---------|---------|---------|
| Sail: | 0.000Ft | 0.000Ft | 0.000Ft |

## Total Seam Lengths (Ft)

|                 |        |
|-----------------|--------|
| Horizontal      | 28.70  |
| Radial/Vertical | 507.91 |
| Bi-Radial Split | 22.09  |

## Materials

| Material   | Area (Ft <sup>2</sup> ) | Panels   |
|------------|-------------------------|--|
| Material 1 | 405.34                  | 1\1,1\2,1\3,1\4,1\5<br>1\6,1\7,1\8,1\9,1\10<br>1\11,1\12,1\13,1b\1,1b\2<br>1b\3,1b\4,1b\5,1b\6,1b\7<br>1b\8,1b\9,1b\10,1b\11,1b\12<br>1b\13,2\1,2\2,2\3,2\4<br>2\5,2\6,2b\1,2b\2,2b\3<br>2b\4,2b\5,2b\6,3\1,3\2<br>3\3,3\4,3\5,3\6,3\7<br>3\8,4\1,4\2,4\3,4\4<br>4\5,4\6 |

