

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

## Design Info

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## 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

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### Genoa

#### Measurements

Luff geodesic:	42.270Ft
Leech geodesic:	41.560Ft
Foot geodesic:	20.298Ft
Headboard width:	0.082Ft
Luff perpendicular (HLP):	19.636Ft
Upper width (HUW):	2.110Ft
Three-quarter width (HTW):	4.263Ft
Half width (HHW):	9.149Ft
Quarter width (HQW):	14.334Ft
Foot median:	41.467Ft
ORC Headsail area:	398.906Ft?
IRC Headsail area:	397.461Ft?
Surface area:	404.765Ft?
Forestay height:	44.488Ft
J:	13.091Ft

#### Draft Stripes

1, Luff: 10.612Ft ; Leech: 10.523Ft ;  
2, Luff: 21.222Ft ; Leech: 20.913Ft ;  
3, Luff: 31.791Ft ; Leech: 31.145Ft ;

#### 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% [0.999Ft])

100% (42.263Ft) :	0.000Ft	-0.000Ft
90% (38.033Ft) :	-0.148Ft	-0.016Ft
80% (33.816Ft) :	-0.274Ft	-0.013Ft
70% (29.586Ft) :	-0.329Ft	0.041Ft
60% (25.360Ft) :	-0.330Ft	0.114Ft
50% (21.133Ft) :	-0.303Ft	0.168Ft
40% (16.906Ft) :	-0.256Ft	0.193Ft
30% (12.679Ft) :	-0.199Ft	0.190Ft
20% (8.455Ft) :	-0.138Ft	0.158Ft
10% (4.223Ft) :	-0.073Ft	0.094Ft
0% (0.000Ft) :	0.000Ft	0.000Ft

#### Before BSeam

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## 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	28.62
Radial/Vertical	507.87
Bi-Radial Split	22.05

## Materials

Material	Area (Ft <sup>2</sup> )	Panels
Material 1	404.02	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1\13,1b\1,1b\2 1b\3,1b\4,1b\5,1b\6,1b\7 1b\8,1b\9,1b\10,1b\11,1b\12 1b\13,2\1,2\2,2\3,2\4 2\5,2\6,2b\1,2b\2,2b\3 2b\4,2b\5,2b\6,3\1,3\2 3\3,3\4,3\5,3\6,3\7 3\8,4\1,4\2,4\3,4\4 4\5,4\6

