

# Genoa: 8000330 Leon-2 Maxi 77 Headsail.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000330 Leon Ma

Initial Design Date: 23/4/2024  
Boat:  
Maxi 77  
Client:

Comments:

Design Data  
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Genoa

Measurements

Luff geodesic:	8.415m
Leech geodesic:	8.160m
Foot geodesic:	5.370m
Headboard width:	0.035m
Luff perpendicular (HLP):	5.060m
Upper width (HUW):	0.587m
Three-quarter width (HTW):	1.172m
Half width (HHW):	2.416m
Quarter width (HQW):	3.733m
Foot median:	8.019m
ORC Headsail area:	20.800m?
IRC Headsail area:	20.733m?
Surface area:	21.041m?
Forestay height:	9.170m
J:	3.330m

Draft Stripes

1, Luff: 2.792m ; Leech: 2.626m ;  
2, Luff: 5.578m ; Leech: 5.346m ;

Luff Curve

8.413m,	0.000m
7.714m,	0.029m
6.941m,	0.052m
6.260m,	0.063m
5.469m,	0.068m
4.187m,	0.060m
2.734m,	0.041m
1.422m,	0.020m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.262m])

100% (8.413m) :	-0.000m	0.000m
90% (7.571m) :	-0.033m	0.002m
80% (6.732m) :	-0.056m	0.012m
70% (5.890m) :	-0.068m	0.026m
60% (5.049m) :	-0.069m	0.042m
50% (4.207m) :	-0.063m	0.056m
40% (3.366m) :	-0.053m	0.065m
30% (2.524m) :	-0.040m	0.064m
20% (1.683m) :	-0.027m	0.053m
10% (0.841m) :	-0.014m	0.030m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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## Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.025m	0.025m	0.025m
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

	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	16.17
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	21.08	7,6,5,4,3 2,1

