

# Mainsail: 8000812 Yves-Marie stdmainsail.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000812 Yves-Marie

Initial Design Date: 21/8/2024  
Boat:

Comments:

Client:

Design Data  
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Main

Measurements

Luff geodesic: 6.880m  
Leech geodesic: 7.367m  
Foot geodesic: 2.760m  
Head geodesic: 0.115m  
Upper width (MUW): 0.528m  
Three-quarter width (MTW): 0.951m  
Half width (MHW): 1.676m  
Quarter width (MQW): 2.273m  
Foot median: 7.078m  
ORC Mainsail area: 10.894m?  
Surface area: 11.229m?  
Clew height: 0.100m  
Mast rake: 0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	0.580m	0.214m	69.490?	5.503m	5.874m	
60.000%	0.760m	0.246m	69.490?	4.127m	4.406m	
40.000%	0.760m	0.201m	69.490?	2.751m	2.937m	
20.000%	0.760m	0.118m	69.490?	1.375m	1.469m	

Reefing Points

1, Luff: 0.839m ; Leech: 0.877m ; Offset: 0.000m ; Number Eyelets: 2  
2, Luff: 1.754m ; Leech: 1.834m ; Offset: 0.000m ; Number Eyelets: 2

Draft Stripes

1, Luff: 2.270m ; Leech: 2.318m ;  
2, Luff: 4.540m ; Leech: 4.741m ;

Luff Slides

1, Position: 0.688m  
2, Position: 1.375m  
3, Position: 2.063m  
4, Position: 2.751m  
5, Position: 3.439m  
6, Position: 4.127m  
7, Position: 4.815m  
8, Position: 5.503m  
9, Position: 6.192m

Luff Curve

		Fanned Luff (@ 5.00% [0.138m])	Before BSeam
6.880m,	0.000m	100% (6.880m) :	0.000m
6.022m,	-0.016m	90% (6.192m) :	0.027m
5.160m,	-0.027m	80% (5.504m) :	0.051m
4.295m,	-0.032m	70% (4.816m) :	0.068m
3.440m,	-0.033m	60% (4.128m) :	0.076m
2.563m,	-0.030m	50% (3.440m) :	0.077m
1.720m,	-0.024m	40% (2.752m) :	0.073m
0.857m,	-0.014m	30% (2.064m) :	0.064m
0.000m,	0.000m	20% (1.376m) :	0.047m
		10% (0.688m) :	0.025m
		0% (0.000m) :	0.000m

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

Edge Excesses			
Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	11.15
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	11.19	1,2,3,4,5 6,7

