

Mainsail: 8000914 Ralf-1 Jeanneau Sun Odyssey 35 Lejabe Mainsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000914 Ralf Jean

Initial Design Date: 20/9/2024
Boat:
Jeanneau Sun Odyssey 35 Lejabe
Client:

Comments:

Design Data
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Main

Measurements

Luff geodesic: 11.700m
Leech geodesic: 12.256m
Foot geodesic: 3.850m
Head geodesic: 0.135m
Upper width (MUW): 0.729m
Three-quarter width (MTW): 1.323m
Half width (MHW): 2.376m
Quarter width (MQW): 3.207m
Foot median: 11.946m
ORC Mainsail area: 26.025m?
Surface area: 26.637m?
Clew height: 0.100m
Mast rake: 0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	1.127m	0.267m	73.142?	9.360m	9.774m	Full
60.000%	1.100m	0.347m	73.142?	7.020m	7.330m	
40.000%	1.160m	0.306m	73.142?	4.681m	4.887m	
20.000%	0.950m	0.177m	73.142?	2.342m	2.443m	

Reefing Points

1, Luff: 1.427m ; Leech: 1.472m ; Offset: 0.000m ; Number Eyelets: 0
2, Luff: 2.983m ; Leech: 3.074m ; Offset: 0.000m ; Number Eyelets: 0

Draft Stripes

1, Luff: 3.860m ; Leech: 3.902m ;
2, Luff: 7.721m ; Leech: 7.946m ;

Luff Slides

1, Position: 0.850m
2, Position: 1.715m
3, Position: 2.565m
4, Position: 3.415m
5, Position: 4.266m
6, Position: 5.116m
7, Position: 5.967m
8, Position: 6.817m
9, Position: 7.667m
10, Position: 8.504m
11, Position: 10.140m
12, Position: 10.920m

Luff Curve

		Fanned Luff (@ 5.00% [0.192m])	Before BSeam
11.700m,	0.000m	100% (11.700m) :	0.000m
10.242m,	-0.027m	90% (10.530m) :	0.016m
8.775m,	-0.047m	80% (9.360m) :	0.030m
7.304m,	-0.055m	70% (8.190m) :	0.037m
5.850m,	-0.056m	60% (7.020m) :	0.040m
4.359m,	-0.052m	50% (5.850m) :	0.039m
2.925m,	-0.042m	40% (4.680m) :	0.036m
1.458m,	-0.024m	30% (3.510m) :	0.031m
0.000m,	0.000m	20% (2.340m) :	0.022m
		10% (1.170m) :	0.011m
		0% (0.000m) :	0.000m

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.000m	0.000m	0.030m

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

Total Seam Lengths (m)

Horizontal	23.50
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	26.62	1,2,3,4,5 6,7,8,9,10 11

