

Mainsail: 8000921 Guillaume-1 Jeanneau Sun Odyssey 36i performance M

Design Info

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Design File:

\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000921 Guillaume

Initial Design Date: 20/9/2024

Boat:

Jeanneau Sun Odyssey 36i performance

Client:

Comments:
tack angle 87deg

Design Data

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Main

Measurements

Luff geodesic:	13.280m
Leech geodesic:	13.647m
Foot geodesic:	3.760m
Head geodesic:	0.135m
Upper width (MUW):	0.753m
Three-quarter width (MTW):	1.359m
Half width (MHW):	2.360m
Quarter width (MQW):	3.122m
Foot median:	13.479m
ORC Mainsail area:	29.187m?
Surface area:	29.732m?
Clew height:	-1.428m
Mast rake:	0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	1.168m	0.225m	77.575?	10.614m	10.886m	Full
60.000%	2.033m	0.304m	77.575?	7.959m	8.165m	Full
40.000%	2.714m	0.263m	77.575?	5.305m	5.443m	Full
20.000%	3.265m	0.145m	77.575?	2.652m	2.722m	Full

Reefing Points

- 1, Luff: 2.100m ; Leech: 2.139m ; Offset: 0.000m ; Number Eyelets: 3
- 2, Luff: 4.401m ; Leech: 4.478m ; Offset: 0.000m ; Number Eyelets: 3
- 3, Luff: 6.601m ; Leech: 6.718m ; Offset: 0.000m ; Number Eyelets: 2

Draft Stripes

- 1, Luff: 3.318m ; Leech: 3.213m ;
- 2, Luff: 6.902m ; Leech: 6.907m ;
- 3, Luff: 10.090m ; Leech: 10.218m ;

Luff Slides

- 1, Position: 0.879m
- 2, Position: 1.767m
- 3, Position: 3.438m
- 4, Position: 4.254m
- 5, Position: 6.188m
- 6, Position: 7.073m
- 7, Position: 8.843m
- 8, Position: 9.728m
- 9, Position: 11.502m
- 10, Position: 12.391m

Luff Curve

		Fanned Luff (@ 5.00% [0.187m])	Before BSeam
13.279m,	0.000m	100% (13.280m) :	0.000m
11.625m,	-0.031m	90% (11.952m) :	0.017m
9.960m,	-0.053m	80% (10.624m) :	0.032m
8.290m,	-0.062m	70% (9.296m) :	0.040m
6.640m,	-0.063m	60% (7.968m) :	0.042m
4.948m,	-0.058m	50% (6.640m) :	0.042m
3.320m,	-0.047m	40% (5.312m) :	0.038m
1.655m,	-0.027m	30% (3.984m) :	0.032m
0.000m,	0.000m	20% (2.656m) :	0.024m
		10% (1.328m) :	0.012m
		0% (0.000m) :	0.000m

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.000m	0.000m	0.038m

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

Total Seam Lengths (m)

Horizontal	26.22
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	29.75	1,2,3,4,5 6,7,8,9,10 11,12

