

Mainsail: 7000912 Claude Jeanneau 47 Fullbat Mainsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7000912 Claude\70

Initial Design Date: 19/9/2023
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic: 15.444m
Leech geodesic: 16.381m
Foot geodesic: 5.643m
Head geodesic: 0.135m
Upper width (MUW): 1.047m
Three-quarter width (MTW): 1.894m
Half width (MHW): 3.361m
Quarter width (MQW): 4.621m
Foot median: 15.878m
ORC Mainsail area: 49.345m?
Surface area: 50.572m?
Clew height: 0.080m
Mast rake: 0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
83.333%	1.420m	0.275m	71.162?	12.866m	13.593m	Full
66.667%	2.460m	0.327m	71.162?	10.292m	10.874m	Full
50.000%	3.400m	0.319m	71.162?	7.719m	8.156m	Full
33.333%	4.250m	0.255m	71.162?	5.146m	5.437m	Full
16.664%	5.000m	0.147m	71.162?	2.572m	2.718m	Full

Reefing Points

1, Luff: 2.000m ; Leech: 2.104m ; Offset: 0.000m ; Number Eyelets: 0
2, Luff: 4.000m ; Leech: 4.201m ; Offset: 0.000m ; Number Eyelets: 0
3, Luff: 6.000m ; Leech: 6.297m ; Offset: 0.000m ; Number Eyelets: 0

Draft Stripes

1, Luff: 3.706m ; Leech: 3.825m ;
2, Luff: 8.030m ; Leech: 8.378m ;
3, Luff: 11.582m ; Leech: 12.145m ;

Luff Slides

1, Position: 0.857m
2, Position: 1.715m
3, Position: 3.430m
4, Position: 4.288m
5, Position: 5.816m
6, Position: 6.769m
7, Position: 8.577m
8, Position: 9.434m
9, Position: 11.150m
10, Position: 12.008m
11, Position: 13.725m
12, Position: 14.585m

Luff Curve

		Fanned Luff (@ 5.00% [0.281m])	Before BSeam
15.443m,	0.000m	100% (15.444m) :	0.000m
13.519m,	-0.036m	90% (13.900m) :	0.056m
11.583m,	-0.061m	80% (12.355m) :	0.107m
9.641m,	-0.072m	70% (10.811m) :	0.146m
7.722m,	-0.073m	60% (9.266m) :	0.167m
5.754m,	-0.068m	50% (7.722m) :	0.175m
3.861m,	-0.054m	40% (6.178m) :	0.170m
1.924m,	-0.031m	30% (4.633m) :	0.153m
0.000m,	0.000m	20% (3.089m) :	0.116m
		10% (1.544m) :	0.060m
		0% (0.000m) :	0.000m

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.045m	0.045m	0.045m

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

Total Seam Lengths (m)

Horizontal	46.10
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	50.58	1,2,3,4,5 6,7,8,9,10 11,12,13,14

