

Mainsail: 7000912 Claude Jeanneau 47 Fullbat MainsailV2.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): 1.045m
Three-quarter width (MTW): 1.892m
Half width (MHW): 3.361m
Quarter width (MQW): 4.621m
Foot median: 15.902m
ORC Mainsail area: 49.336m?
Surface area: 50.651m?
Clew height: 0.080m
Mast rake: 0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
83.333%	1.420m	0.281m	71.162?	12.866m	13.592m	Full
66.667%	2.460m	0.333m	71.162?	10.292m	10.874m	Full
50.000%	3.400m	0.321m	71.162?	7.719m	8.155m	Full
33.333%	4.250m	0.253m	71.162?	5.146m	5.437m	Full
16.664%	5.000m	0.147m	71.162?	2.573m	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: 8.377m ;
3, Luff: 11.582m ; Leech: 12.143m ;

Luff Slides

1, Position: 1.000m
2, Position: 3.000m
3, Position: 7.000m
4, Position: 9.000m
5, Position: 11.585m
6, Position: 14.155m

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) :	0.052m
11.583m,	-0.061m	80% (12.355m) :	0.101m
9.641m,	-0.072m	70% (10.811m) :	0.140m
7.722m,	-0.073m	60% (9.266m) :	0.163m
5.754m,	-0.068m	50% (7.722m) :	0.173m
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) :	0.058m
		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	46.09
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	50.66	1,2,3,4,5 6,7,8,9,10 11,12,13,14

