

Mainsail: 8000716 Allan-1 Jeanneau Tonic fullbattmain.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000716 Allan Jean

Initial Design Date: 1/8/2024
Boat:
Jeanneau Tonic
Client:

Comments:

Design Data
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Main

Measurements

Luff geodesic: 8.068m
Leech geodesic: 8.562m
Foot geodesic: 3.019m
Head geodesic: 0.115m
Upper width (MUW): 0.565m
Three-quarter width (MTW): 1.025m
Half width (MHW): 1.849m
Quarter width (MQW): 2.503m
Foot median: 8.275m
ORC Mainsail area: 14.000m?
Surface area: 14.401m?
Clew height: 0.100m
Mast rake: 0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	0.881m	0.207m	69.368?	6.470m	6.829m	Full
60.000%	1.587m	0.269m	69.368?	4.872m	5.122m	Full
40.000%	2.163m	0.238m	69.368?	3.274m	3.415m	Full
20.000%	2.632m	0.137m	69.368?	1.677m	1.707m	Full

Reefing Points

1, Luff: 0.984m ; Leech: 1.023m ; Offset: 0.000m ; Number Eyelets: 2
2, Luff: 2.057m ; Leech: 2.136m ; Offset: 0.000m ; Number Eyelets: 2

Draft Stripes

1, Luff: 2.663m ; Leech: 2.705m ;
2, Luff: 5.325m ; Leech: 5.529m ;

Luff Slides

1, Position: 0.846m
2, Position: 2.489m
3, Position: 4.083m
4, Position: 5.677m
5, Position: 7.271m

Luff Curve

		Fanned Luff (@ 5.00% [0.150m])	Before BSeam
8.068m,	0.000m	100% (8.068m) :	0.000m
7.062m,	-0.019m	90% (7.261m) :	0.012m
6.051m,	-0.032m	80% (6.454m) :	0.058m
5.037m,	-0.038m	70% (5.648m) :	0.077m
4.034m,	-0.038m	60% (4.841m) :	0.088m
3.006m,	-0.035m	50% (4.034m) :	0.091m
2.017m,	-0.028m	40% (3.227m) :	0.088m
1.005m,	-0.016m	30% (2.420m) :	0.076m
0.000m,	0.000m	20% (1.614m) :	0.057m
		10% (0.807m) :	0.030m
		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	13.64
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	14.37	1,2,3,4,5 6,7,8

