

Mainsail: 7001002 Anna Moody 37 Mainsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001002 Anna\7001002 Anna Moody 37 Mainsail.des

Initial Design Date: 6/10/2023
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic: 12.474m
Leech geodesic: 13.089m
Foot geodesic: 4.296m
Head geodesic: 0.115m
Upper width (MUW): 0.832m
Three-quarter width (MTW): 1.528m
Half width (MHW): 2.684m
Quarter width (MQW): 3.601m
Foot median: 12.761m
ORC Mainsail area: 31.256m?
Surface area: 32.128m?
Clew height: 0.100m
Mast rake: 0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	0.902m	0.283m	72.819?	9.975m	10.435m	
60.000%	1.289m	0.377m	72.819?	7.481m	7.826m	
40.000%	1.289m	0.338m	72.819?	4.988m	5.217m	
20.000%	1.074m	0.195m	72.819?	2.495m	2.609m	

Reefing Points

1, Luff: 1.683m ; Leech: 1.738m ; Offset: 0.000m ; Number Eyelets: 3
2, Luff: 3.554m ; Leech: 3.669m ; Offset: 0.000m ; Number Eyelets: 3
3, Luff: 5.300m ; Leech: 5.474m ; Offset: 0.000m ; Number Eyelets: 2

Draft Stripes

1, Luff: 4.115m ; Leech: 4.161m ;
2, Luff: 8.231m ; Leech: 8.483m ;

Luff Slides

1, Position: 0.760m
2, Position: 1.542m
3, Position: 2.325m
4, Position: 3.107m
5, Position: 3.914m
6, Position: 4.778m
7, Position: 5.635m
8, Position: 6.366m
9, Position: 7.127m
10, Position: 7.880m
11, Position: 8.634m
12, Position: 9.367m
13, Position: 10.149m
14, Position: 10.932m
15, Position: 11.714m

Luff Curve

		Fanned Luff (@ 5.00% [0.214m])	Before BSeam
12.474m,	0.000m	100% (12.474m) :	0.000m
10.919m,	-0.029m	90% (11.227m) :	0.047m
9.355m,	-0.049m	80% (9.979m) :	0.089m
7.787m,	-0.058m	70% (8.732m) :	0.116m
6.237m,	-0.059m	60% (7.484m) :	0.132m
4.648m,	-0.055m	50% (6.237m) :	0.136m
3.118m,	-0.044m	40% (4.990m) :	0.132m
1.554m,	-0.025m	30% (3.742m) :	0.116m
0.000m,	0.000m	20% (2.495m) :	0.088m
		10% (1.247m) :	0.045m
		0% (0.000m) :	0.000m

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

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

Total Seam Lengths (m)

Horizontal	27.82
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	32.13	1,2,3,4,5 6,7,8,9,10 11

