

Mainsail: 8000608 Ric fullbattmizzen.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000608 Ric mizzen

Initial Design Date: 20/6/2024
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic:	10.609m
Leech geodesic:	11.186m
Foot geodesic:	3.720m
Head geodesic:	0.115m
Upper width (MUW):	0.719m
Three-quarter width (MTW):	1.307m
Half width (MHW):	2.288m
Quarter width (MQW):	3.084m
Foot median:	10.780m
ORC Mainsail area:	22.810m?
Surface area:	23.200m?
Clew height:	0.100m
Mast rake:	0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	1.137m	0.225m	72.629?	8.483m	8.917m	Full
60.000%	1.973m	0.292m	72.629?	6.361m	6.687m	Full
40.000%	2.657m	0.243m	72.629?	4.241m	4.458m	Full
20.000%	3.236m	0.138m	72.629?	2.120m	2.229m	Full

Reefing Points

- 1, Luff: 1.294m ; Leech: 1.392m ; Offset: 0.000m ; Number Eyelets: 3
- 2, Luff: 2.811m ; Leech: 2.931m ; Offset: 0.000m ; Number Eyelets: 3

Draft Stripes

- 1, Luff: 3.500m ; Leech: 3.552m ;
- 2, Luff: 7.001m ; Leech: 7.230m ;

Luff Slides

- 1, Position: 0.707m
- 2, Position: 1.635m
- 3, Position: 2.704m
- 4, Position: 3.484m
- 5, Position: 4.947m
- 6, Position: 5.654m
- 7, Position: 7.068m
- 8, Position: 7.776m
- 9, Position: 9.192m
- 10, Position: 9.901m

Luff Curve

		Fanned Luff (@ 5.00% [0.185m])	Before BSeam
10.609m,	0.000m	100% (10.609m) :	-0.000m
9.287m,	-0.025m	90% (9.549m) :	0.015m
7.957m,	-0.042m	80% (8.488m) :	0.027m
6.623m,	-0.050m	70% (7.427m) :	0.034m
5.304m,	-0.050m	60% (6.366m) :	0.036m
3.953m,	-0.047m	50% (5.305m) :	0.035m
2.652m,	-0.037m	40% (4.244m) :	0.033m
1.322m,	-0.021m	30% (3.183m) :	0.028m
0.000m,	0.000m	20% (2.122m) :	0.020m
		10% (1.061m) :	0.009m
		0% (0.000m) :	0.000m

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Seam Allowances			
Zone:	Split	Radial	Cross
1	0.035m	0.035m	0.035m
Cover 1	0.035m	0.035m	0.035m

Edge Excesses			
Sail:	Luff	Leech	Foot
Cover 0	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	21.07
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	23.19	1,2,3,4,5 6,7,8,9,10

