

Mainsail: 8000611 Pierre-James-1 Crealock37 Mainsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000611 Pierre-Ja

Initial Design Date: 12/7/2024
Boat:
Crealock 37
Client:

Comments:

Design Data
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Main

Measurements

Luff geodesic: 11.157m
Leech geodesic: 11.880m
Foot geodesic: 4.247m
Head geodesic: 0.115m
Upper width (MUW): 0.804m
Three-quarter width (MTW): 1.478m
Half width (MHW): 2.610m
Quarter width (MQW): 3.525m
Foot median: 11.461m
ORC Mainsail area: 27.326m?
Surface area: 28.127m?
Clew height: 0.110m
Mast rake: 0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	1.289m	0.255m	69.543?	8.946m	9.463m	Full
60.000%	2.249m	0.331m	69.543?	6.737m	7.098m	Full
40.000%	3.048m	0.292m	69.543?	4.528m	4.732m	Full
20.000%	3.703m	0.168m	69.543?	2.319m	2.366m	Full

Reefing Points

1, Luff: 1.361m ; Leech: 1.421m ; Offset: 0.000m ; Number Eyelets: 3
2, Luff: 2.845m ; Leech: 2.966m ; Offset: 0.000m ; Number Eyelets: 3

Draft Stripes

1, Luff: 3.682m ; Leech: 3.753m ;
2, Luff: 7.364m ; Leech: 7.659m ;

Luff Slides

1, Position: 0.854m
2, Position: 1.715m
3, Position: 3.218m
4, Position: 3.905m
5, Position: 5.264m
6, Position: 6.001m
7, Position: 7.473m
8, Position: 8.210m
9, Position: 9.683m
10, Position: 10.420m

Luff Curve

		Fanned Luff (@ 5.00% [0.212m])	Before BSeam
11.157m,	0.000m	100% (11.157m) :	0.000m
9.766m,	-0.026m	90% (10.041m) :	0.046m
8.367m,	-0.044m	80% (8.926m) :	0.086m
6.965m,	-0.052m	70% (7.810m) :	0.113m
5.578m,	-0.053m	60% (6.694m) :	0.128m
4.157m,	-0.049m	50% (5.579m) :	0.132m
2.789m,	-0.039m	40% (4.463m) :	0.127m
1.390m,	-0.022m	30% (3.347m) :	0.110m
0.000m,	0.000m	20% (2.231m) :	0.081m
		10% (1.116m) :	0.041m
		0% (0.000m) :	0.000m

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

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

Total Seam Lengths (m)

Horizontal	24.56
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	28.12	1,2,3,4,5 6,7,8,9,10

