

# Mainsail: 8000611 Pierre-James-1 Crealock37 MainsailV1.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: 23/7/2024  
Boat:  
Crealock 37  
Client:

Comments:

Design Data  
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Main

Measurements

Luff geodesic: 11.464m  
Leech geodesic: 12.137m  
Foot geodesic: 4.247m  
Head geodesic: 0.115m  
Upper width (MUW): 0.781m  
Three-quarter width (MTW): 1.435m  
Half width (MHW): 2.563m  
Quarter width (MQW): 3.494m  
Foot median: 11.747m  
ORC Mainsail area: 27.730m?  
Surface area: 28.423m?  
Clew height: 0.138m  
Mast rake: 0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	1.237m	0.208m	70.006?	9.197m	9.672m	Full
60.000%	2.190m	0.279m	70.006?	6.932m	7.254m	Full
40.000%	1.300m	0.246m	70.006?	4.668m	4.836m	
20.000%	1.300m	0.142m	70.006?	2.403m	2.418m	

Reefing Points

1, Luff: 1.399m ; Leech: 1.459m ; Offset: 0.000m ; Number Eyelets: 3  
2, Luff: 2.923m ; Leech: 3.044m ; Offset: 0.000m ; Number Eyelets: 3  
3, Luff: 4.758m ; Leech: 4.953m ; Offset: 0.000m ; Number Eyelets: 2

Draft Stripes

1, Luff: 3.783m ; Leech: 3.834m ;  
2, Luff: 7.566m ; Leech: 7.841m ;

Luff Slides

1, Position: 0.879m  
2, Position: 1.776m  
3, Position: 2.500m  
4, Position: 3.278m  
5, Position: 3.946m  
6, Position: 4.624m  
7, Position: 5.423m  
8, Position: 6.178m  
9, Position: 7.687m  
10, Position: 8.442m  
11, Position: 9.953m  
12, Position: 10.708m

Luff Curve

		Fanned Luff (@ 5.00% [0.212m])	Before BSeam
11.464m,	0.000m	100% (11.464m) :	0.000m
10.035m,	-0.026m	90% (10.318m) :	0.016m
8.598m,	-0.044m	80% (9.171m) :	0.028m
7.157m,	-0.052m	70% (8.025m) :	0.035m
5.732m,	-0.053m	60% (6.878m) :	0.037m
4.271m,	-0.049m	50% (5.732m) :	0.036m
2.866m,	-0.039m	40% (4.586m) :	0.034m
1.429m,	-0.022m	30% (3.439m) :	0.028m
0.000m,	0.000m	20% (2.293m) :	0.020m
		10% (1.146m) :	0.009m
		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	25.22
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	28.40	1,2,3,4,5 6,7,8,9,10 11

