

Mainsail: 7000624 Sanford C&C 29 MK1 Mainsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000624 Sanford\700

Initial Design Date: 5/7/2023
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic: 9.903m
Leech geodesic: 10.262m
Foot geodesic: 2.995m
Head geodesic: 0.116m
Upper width (MUW): 0.626m
Three-quarter width (MTW): 1.120m
Half width (MHW): 1.936m
Quarter width (MQW): 2.544m
Foot median: 10.123m
ORC Mainsail area: 17.945m?
Surface area: 18.221m?
Clew height: 0.100m
Mast rake: 0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
82.000%	0.895m	0.191m	75.269?	8.197m	8.476m	Full
62.000%	1.616m	0.271m	75.269?	6.196m	6.409m	Full
42.000%	0.800m	0.243m	75.269?	4.196m	4.342m	
21.000%	0.800m	0.144m	75.269?	2.096m	2.171m	

Reefing Points

1, Luff: 1.250m ; Leech: 1.280m ; Offset: 0.000m ; Number Eyelets: 2
2, Luff: 2.750m ; Leech: 2.816m ; Offset: 0.000m ; Number Eyelets: 2

Draft Stripes

1, Luff: 3.300m ; Leech: 3.318m ;
2, Luff: 6.601m ; Leech: 6.741m ;

Luff Slides

1, Position: 0.761m
2, Position: 1.602m
3, Position: 2.281m
4, Position: 3.072m
5, Position: 3.863m
6, Position: 4.655m
7, Position: 5.446m
8, Position: 6.207m
9, Position: 6.912m
10, Position: 7.617m
11, Position: 8.734m
12, Position: 9.367m

Foot Slides

1, Position: 0.500m
2, Position: 1.006m
3, Position: 1.513m
4, Position: 2.020m
5, Position: 2.526m

Luff Curve

10.003m, 0.000m
8.757m, -0.023m
7.502m, -0.040m
6.245m, -0.047m
5.001m, -0.048m
3.727m, -0.044m
2.501m, -0.035m
1.247m, -0.020m
0.000m, 0.000m

Fanned Luff (@ 5.00% [0.151m])

100% (10.004m) : 0.000m -0.000m
90% (9.003m) : 0.012m 0.036m
80% (8.003m) : 0.023m 0.071m
70% (7.003m) : 0.030m 0.097m
60% (6.002m) : 0.031m 0.111m
50% (5.002m) : 0.031m 0.113m
40% (4.001m) : 0.028m 0.103m
30% (3.001m) : 0.024m 0.083m
20% (2.001m) : 0.017m 0.058m
10% (1.000m) : 0.009m 0.029m
0% (0.000m) : 0.000m 0.000m

Before BSeam

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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	17.00
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	18.22	1,2,3,4,5 6,7,8,9,10

