

Mainsail: 8001018 Joe Snapdragon 670 mainsailV1.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001018 Joe Snap

Initial Design Date: 5/11/2024
Boat:
Snapdragon 670
Client:

Comments:

Design Data
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Main

Measurements

Luff geodesic: 7.100m
Leech geodesic: 7.429m
Foot geodesic: 2.300m
Head geodesic: 0.105m
Upper width (MUW): 0.478m
Three-quarter width (MTW): 0.848m
Half width (MHW): 1.462m
Quarter width (MQW): 1.939m
Foot median: 7.198m
ORC Mainsail area: 9.677m?
Surface area: 9.869m?
Clew height: 0.100m
Mast rake: 0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	0.483m	0.149m	74.232?	5.676m	5.922m	
60.000%	0.690m	0.205m	74.232?	4.256m	4.442m	
40.000%	0.690m	0.181m	74.232?	2.837m	2.961m	
20.000%	0.575m	0.104m	74.232?	1.418m	1.481m	

Reefing Points

1, Luff: 0.852m ; Leech: 0.875m ; Offset: 0.000m ; Number Eyelets: 2

Draft Stripes

1, Luff: 3.549m ; Leech: 3.612m ;

Luff Slides

- 1, Position: 0.708m
- 2, Position: 1.416m
- 3, Position: 2.126m
- 4, Position: 2.836m
- 5, Position: 3.546m
- 6, Position: 4.255m
- 7, Position: 4.965m
- 8, Position: 5.675m
- 9, Position: 6.388m

Luff Curve

		Fanned Luff (@ 5.00% [0.115m])	Before BSeam
7.100m,	0.000m	100% (7.100m) :	0.000m
6.215m,	-0.017m	90% (6.390m) :	0.010m
5.325m,	-0.029m	80% (5.680m) :	0.019m
4.432m,	-0.034m	70% (4.970m) :	0.024m
3.550m,	-0.035m	60% (4.260m) :	0.025m
2.645m,	-0.032m	50% (3.550m) :	0.025m
1.775m,	-0.026m	40% (2.840m) :	0.023m
0.885m,	-0.015m	30% (2.130m) :	0.020m
0.000m,	0.000m	20% (1.420m) :	0.014m
		10% (0.710m) :	0.007m
		0% (0.000m) :	0.000m

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.025m	0.025m	0.025m

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

Total Seam Lengths (m)

Horizontal	9.83
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	9.83	1,2,3,4,5 6,7

