

Mainsail: 8001018 Joe Snapdragon 670 mainsail.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: 30/10/2024
Boat:
Snapdragon 670
Client:

Comments:

Design Data
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Main

Measurements

Luff geodesic: 7.300m
Leech geodesic: 7.618m
Foot geodesic: 2.300m
Head geodesic: 0.105m
Upper width (MUW): 0.479m
Three-quarter width (MTW): 0.849m
Half width (MHW): 1.463m
Quarter width (MQW): 1.940m
Foot median: 7.395m
ORC Mainsail area: 9.954m?
Surface area: 10.143m?
Clew height: 0.100m
Mast rake: 0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	0.483m	0.149m	74.682?	5.836m	6.075m	
60.000%	0.690m	0.205m	74.682?	4.376m	4.556m	
40.000%	0.690m	0.181m	74.682?	2.917m	3.037m	
20.000%	0.575m	0.104m	74.682?	1.459m	1.519m	

Reefing Points

1, Luff: 0.876m ; Leech: 0.898m ; Offset: 0.000m ; Number Eyelets: 2

Draft Stripes

1, Luff: 3.649m ; Leech: 3.709m ;

Luff Slides

- 1, Position: 0.728m
- 2, Position: 1.456m
- 3, Position: 2.186m
- 4, Position: 2.916m
- 5, Position: 3.645m
- 6, Position: 4.375m
- 7, Position: 5.105m
- 8, Position: 5.835m
- 9, Position: 6.568m

Luff Curve

		Fanned Luff (@ 5.00% [0.115m])	Before BSeam
7.300m,	0.000m	100% (7.300m) :	0.000m
6.390m,	-0.017m	90% (6.570m) :	0.010m
5.475m,	-0.029m	80% (5.840m) :	0.018m
4.557m,	-0.034m	70% (5.110m) :	0.023m
3.650m,	-0.035m	60% (4.380m) :	0.025m
2.720m,	-0.032m	50% (3.650m) :	0.024m
1.825m,	-0.026m	40% (2.920m) :	0.023m
0.910m,	-0.015m	30% (2.190m) :	0.019m
0.000m,	0.000m	20% (1.460m) :	0.014m
		10% (0.730m) :	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	8.12
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	10.12	1,2,3,4,5 6,7

