

Mainsail: 8000426 Slavcho-1 H22 mainsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000426 Slavcho

Initial Design Date: 2/5/2024
Boat:
H22
Client:

Comments:

Design Data
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Main

Measurements

Luff geodesic: 8.760m
Leech geodesic: 9.308m
Foot geodesic: 3.320m
Head geodesic: 0.115m
Upper width (MUW): 0.615m
Three-quarter width (MTW): 1.117m
Half width (MHW): 1.994m
Quarter width (MQW): 2.719m
Foot median: 8.991m
ORC Mainsail area: 16.526m?
Surface area: 16.963m?
Clew height: 0.100m
Mast rake: 0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	0.966m	0.141m	71.372?	7.002m	7.426m	Full
60.000%	0.850m	0.197m	71.372?	5.249m	5.569m	
40.000%	0.850m	0.172m	71.372?	3.497m	3.713m	
20.000%	0.850m	0.097m	71.372?	1.745m	1.856m	

Reefing Points

1, Luff: 1.156m ; Leech: 1.207m ; Offset: 0.000m ; Number Eyelets: 3

Draft Stripes

1, Luff: 2.890m ; Leech: 2.950m ;
2, Luff: 5.781m ; Leech: 6.017m ;

Luff Slides

1, Position: 0.873m
2, Position: 1.745m
3, Position: 2.621m
4, Position: 3.497m
5, Position: 4.373m
6, Position: 5.249m
7, Position: 6.126m
8, Position: 7.881m

Luff Curve

		Fanned Luff (@ 5.00% [0.165m])	Before BSeam
8.760m,	0.000m	100% (8.760m) :	0.000m
7.668m,	-0.020m	90% (7.884m) :	0.013m
6.570m,	-0.035m	80% (7.008m) :	0.023m
5.469m,	-0.041m	70% (6.132m) :	0.029m
4.380m,	-0.042m	60% (5.256m) :	0.031m
3.264m,	-0.039m	50% (4.380m) :	0.030m
2.190m,	-0.031m	40% (3.504m) :	0.028m
1.092m,	-0.018m	30% (2.628m) :	0.024m
0.000m,	0.000m	20% (1.752m) :	0.017m
		10% (0.876m) :	0.008m
		0% (0.000m) :	0.000m

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.000m	0.000m	0.025m

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

Total Seam Lengths (m)

Horizontal	16.04
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	16.96	1,2,3,4,5 6,7,8,9

