

Mainsail: 7000603 Yoh-2 Yamaha 25 Mainsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000603 Yoh\7000603

Initial Design Date: 8/6/2023
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic:	7.880m
Leech geodesic:	8.285m
Foot geodesic:	2.811m
Head geodesic:	0.115m
Upper width (MUW):	0.578m
Three-quarter width (MTW):	1.033m
Half width (MHW):	1.784m
Quarter width (MQW):	2.351m
Foot median:	8.075m
ORC Mainsail area:	13.065m?
Surface area:	13.443m?
Clew height:	0.100m
Mast rake:	0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
82.000%	0.842m	0.182m	70.957?	6.474m	6.768m	Full
62.000%	1.497m	0.245m	70.957?	4.913m	5.117m	Full
41.500%	2.026m	0.217m	70.957?	3.314m	3.425m	Full
21.000%	2.443m	0.126m	70.957?	1.714m	1.733m	Full

Reefing Points

1, Luff: 1.103m ; Leech: 1.143m ; Offset: 0.000m ; Number Eyelets: 2
 2, Luff: 2.246m ; Leech: 2.324m ; Offset: 0.000m ; Number Eyelets: 2

Draft Stripes

1, Luff: 2.600m ; Leech: 2.633m ;
 2, Luff: 5.201m ; Leech: 5.365m ;

Luff Slides

1, Position: 0.857m
 2, Position: 2.522m
 3, Position: 4.114m
 4, Position: 5.693m
 5, Position: 7.177m

Luff Curve

		Fanned Luff (@ 5.00% [0.140m])	Before BSeam
7.880m,	0.000m	100% (7.880m) :	0.000m
6.898m,	-0.018m	90% (7.092m) :	0.010m
5.910m,	-0.031m	80% (6.304m) :	0.061m
4.919m,	-0.037m	70% (5.516m) :	0.084m
3.940m,	-0.037m	60% (4.728m) :	0.096m
2.936m,	-0.035m	50% (3.940m) :	0.098m
1.970m,	-0.028m	40% (3.152m) :	0.089m
0.982m,	-0.016m	30% (2.364m) :	0.072m
0.000m,	0.000m	20% (1.576m) :	0.050m
		10% (0.788m) :	0.007m
		0% (0.000m) :	0.000m

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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	13.05
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	13.42	1,2,3,4,5 6,7,8

