

Mainsail: 7000126 Kurt mainsail V1.des

Design Info
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Design File:
F:\Dropbox\Dropbox-20221019\Dropbox20221213\Dropbox\Fareast Sails\2023 Order\Need Confrim Order\7000126 K

Initial Design Date: 30/1/2023
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic:	17.150m
Leech geodesic:	18.270m
Foot geodesic:	6.350m
Head geodesic:	0.120m
Upper width (MUW):	1.083m
Three-quarter width (MTW):	2.020m
Half width (MHW):	3.690m
Quarter width (MQW):	5.105m
Foot median:	17.642m
ORC Mainsail area:	60.268m?
Surface area:	61.490m?
Clew height:	0.064m
Mast rake:	0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
85.333%	1.294m	0.154m	70.598?	14.631m	15.547m	Full
69.550%	2.457m	0.225m	70.598?	11.924m	12.672m	Full
52.720%	3.555m	0.222m	70.598?	9.038m	9.605m	Full
35.633%	4.555m	0.182m	70.598?	6.109m	6.492m	Full
17.970%	5.476m	0.102m	70.598?	3.081m	3.274m	Full

Reefing Points

1, Luff: 2.100m ; Leech: 2.218m ; Offset: 0.000m ; Number Eyelets: 4
2, Luff: 4.970m ; Leech: 5.245m ; Offset: 0.000m ; Number Eyelets: 4
3, Luff: 7.850m ; Leech: 8.285m ; Offset: 0.000m ; Number Eyelets: 3

Draft Stripes

1, Luff: 4.287m ; Leech: 4.471m ;
2, Luff: 8.574m ; Leech: 9.011m ;
3, Luff: 12.861m ; Leech: 13.572m ;

Luff Slides

1, Position: 1.540m
2, Position: 4.594m
3, Position: 7.573m
4, Position: 10.481m
5, Position: 13.277m
6, Position: 15.890m

Luff Curve

		Fanned Luff (@ 5.00% [0.316m])	Before BSeam
17.149m,	0.000m	100% (17.150m) :	0.000m
13.080m,	-0.095m	90% (15.435m) :	0.074m
8.720m,	-0.112m	80% (13.720m) :	0.147m
4.360m,	-0.082m	70% (12.005m) :	0.203m
0.000m,	0.000m	60% (10.290m) :	0.231m
		50% (8.575m) :	0.235m
		40% (6.860m) :	0.217m
		30% (5.145m) :	0.180m
		20% (3.430m) :	0.126m
		10% (1.715m) :	0.059m
		0% (0.000m) :	0.000m

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Seam Allowances

	Split	Radial	Cross
Zone: 1	0.000m	0.000m	0.046m
Cover 1	0.045m	0.045m	0.045m
Cover 2	0.045m	0.045m	0.045m

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.000m	0.000m	0.000m
Cover 1	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	49.85
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	61.59	1,2,3,4,5 6,7,8,9,10 11,12,13,14,15

