

Mainsail: 7000331 Tony Mainsail.des

Design Info
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Design File:
\\Nas\工程部-专用文件\Queenie-跟进客户\Fareast Sails\2023 Order\Need Confrim Order\7000331 Tony\7000331 Tony

Initial Design Date: 28/3/2023
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic:	10.444m
Leech geodesic:	10.772m
Foot geodesic:	3.039m
Head geodesic:	0.115m
Upper width (MUW):	0.622m
Three-quarter width (MTW):	1.118m
Half width (MHW):	1.928m
Quarter width (MQW):	2.545m
Foot median:	10.548m
ORC Mainsail area:	18.724m?
Surface area:	18.967m?
Clew height:	0.100m
Mast rake:	0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	0.968m	0.196m	76.154?	8.349m	8.595m	Full
60.000%	1.664m	0.255m	76.154?	6.261m	6.447m	Full
40.000%	2.218m	0.225m	76.154?	4.174m	4.298m	Full
20.000%	2.660m	0.130m	76.154?	2.087m	2.149m	Full

Reefing Points

1, Luff: 1.566m ; Leech: 1.599m ; Offset: 0.000m ; Number Eyelets: 2
2, Luff: 3.132m ; Leech: 3.199m ; Offset: 0.000m ; Number Eyelets: 2

Draft Stripes

1, Luff: 3.550m ; Leech: 3.549m ;
2, Luff: 6.891m ; Leech: 7.009m ;

Luff Slides

1, Position: 0.701m
2, Position: 1.403m
3, Position: 2.798m
4, Position: 3.493m
5, Position: 4.882m
6, Position: 5.576m
7, Position: 6.965m
8, Position: 7.660m
9, Position: 9.051m
10, Position: 9.747m

Luff Curve

		Fanned Luff (@ 5.00% [0.151m])	Before BSeam
10.444m,	0.000m	100% (10.444m) :	0.000m -0.000m
9.142m,	-0.024m	90% (9.400m) :	0.013m 0.037m
7.833m,	-0.041m	80% (8.355m) :	0.025m 0.071m
6.520m,	-0.049m	70% (7.311m) :	0.032m 0.096m
5.222m,	-0.050m	60% (6.266m) :	0.034m 0.110m
3.891m,	-0.046m	50% (5.222m) :	0.034m 0.111m
2.611m,	-0.037m	40% (4.178m) :	0.032m 0.101m
1.301m,	-0.021m	30% (3.133m) :	0.027m 0.083m
0.000m,	0.000m	20% (2.089m) :	0.020m 0.058m
		10% (1.045m) :	0.010m 0.028m
		0% (0.000m) :	0.000m 0.000m

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

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

Total Seam Lengths (m)

Horizontal	17.32
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	18.97	1,2,3,4,5 6,7,8,9,10

