

# Mainsail: 8000702 Jesus-1 Cheoy Lee Golden Wave 42 MainsailV2.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000702 Jesus CH

Initial Design Date: 4/9/2024  
Boat:  
Cheoy Lee Golden Wave 42  
Client:

Comments:

Design Data  
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Main

Measurements

Luff geodesic: 15.513m  
Leech geodesic: 16.118m  
Foot geodesic: 4.653m  
Head geodesic: 0.135m  
Upper width (MUW): 0.892m  
Three-quarter width (MTW): 1.632m  
Half width (MHW): 2.909m  
Quarter width (MQW): 3.906m  
Foot median: 15.788m  
ORC Mainsail area: 42.061m?  
Surface area: 42.929m?  
Clew height: 0.100m  
Mast rake: 0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	1.389m	0.353m	74.742?	12.409m	12.859m	Full
60.000%	1.300m	0.459m	74.742?	9.306m	9.644m	
40.000%	1.300m	0.404m	74.742?	6.203m	6.430m	
20.000%	1.300m	0.233m	74.742?	3.101m	3.215m	

Reefing Points

1, Luff: 1.892m ; Leech: 1.938m ; Offset: 0.000m ; Number Eyelets: 3  
2, Luff: 3.955m ; Leech: 4.049m ; Offset: 0.000m ; Number Eyelets: 3

Draft Stripes

1, Luff: 5.118m ; Leech: 5.148m ;  
2, Luff: 10.237m ; Leech: 10.468m ;

Luff Slides

1, Position: 1.117m  
2, Position: 2.304m  
3, Position: 3.297m  
4, Position: 4.322m  
5, Position: 5.307m  
6, Position: 6.305m  
7, Position: 7.300m  
8, Position: 8.327m  
9, Position: 9.353m  
10, Position: 10.380m  
11, Position: 11.407m  
12, Position: 13.460m  
13, Position: 14.486m

Luff Curve

		Fanned Luff (@ 5.00% [0.232m])	Before BSeam
15.512m,	0.000m	100% (15.513m) :	0.000m
13.579m,	-0.036m	90% (13.962m) :	0.022m
11.634m,	-0.062m	80% (12.410m) :	0.100m
9.685m,	-0.073m	70% (10.859m) :	0.133m
7.756m,	-0.074m	60% (9.308m) :	0.151m
5.780m,	-0.069m	50% (7.757m) :	0.157m
3.878m,	-0.055m	40% (6.205m) :	0.153m
1.933m,	-0.031m	30% (4.654m) :	0.134m
0.000m,	0.000m	20% (3.102m) :	0.100m
		10% (1.551m) :	0.015m
		0% (0.000m) :	0.000m

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Seam Allowances			
Zone:	Split	Radial	Cross
1	0.038m	0.038m	0.038m

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

Total Seam Lengths (m)

Horizontal	36.37
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	42.93	1,2,3,4,5 6,7,8,9,10 11,12,13,14

