

Asymmetric: 7000203 James asyV1.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\7000203 James\7000203 Jar

Initial Design Date: 10/2/2023
Boat:

Comments:

Client:

Design Data
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Asymmetric

Measurements

Luff length (SLU):	11.359m	
Leech length (SLE):	10.443m	
Foot length (SFL):	7.599m	
Headboard Width:	0.010m	
Three-quarter width:	3.732m	Closest Pt: 2.816m
Half width (SHW):	6.827m	Closest Pt: 5.905m
Quarter width:	7.699m	Closest Pt: 7.826m
ORC Area:	63.421m?	
IRC Area:	63.168m?	
Surface Area:	67.533m?	
Hoist height:	10.625m	
J:	4.843m	

Luff Curve

		Fanned Luff (@ 5.00% [0.324m])	Before BSeam
10.349m,	0.000m	100% (11.292m) :	0.000m -0.000m
7.762m,	0.000m	87% (9.784m) :	-0.105m 0.623m
5.175m,	0.000m	74% (8.384m) :	-0.210m 1.153m
2.587m,	0.000m	63% (7.120m) :	-0.308m 1.526m
0.000m,	0.000m	53% (5.996m) :	-0.400m 1.683m
		44% (4.968m) :	-0.473m 1.661m
		35% (3.984m) :	-0.515m 1.478m
		27% (3.012m) :	-0.508m 1.173m
		18% (2.029m) :	-0.424m 0.805m
		9% (1.025m) :	-0.240m 0.418m
		0% (0.000m) :	0.000m 0.000m

Section Data

Position	Camber	Draft	Twist	Entry	Exit	Roach	Luff Off	Luff Roach	Fwd Camb	Aft Camb
100.00%	15.044%	45.760%	20.000?	56.175?	-47.482?	0.000m	0.000m	0.000m	12.724%	12.724%
74.99%	21.519%	45.840%	14.999?	42.000?	-38.000?	1.154m	0.860m	1.711m	16.828%	16.718%
49.98%	24.756%	45.750%	9.998?	55.000?	-45.000?	1.300m	1.154m	1.784m	19.090%	18.343%
25.00%	24.731%	45.253%	5.000?	65.000?	-46.000?	0.759m	0.874m	1.012m	19.912%	18.827%
0.00%	24.500%	44.750%	0.000?	58.000?	-47.862?	0.000m	0.000m	0.000m	20.077%	19.179%
-10.00%	23.939%	44.135%	-2.000?	70.847?	-60.635?	-0.314m	-0.423m	-0.432m	19.349%	17.962%

Chord Data

Luff : 10.5033m
Leech : 8.6380m
Foot : 6.5854m
Headboard width : 0.0101m

Fanned Foot Curve Depths

25.0%	50.0%	75.0%
0.2332m	0.3923m	0.3112m

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.000m	0.000m	0.000m
Zone: 1/b	0.000m	0.000m	0.000m
Zone: 2/a	0.000m	0.000m	0.000m
Zone: 2/b	0.000m	0.000m	0.000m
Zone: 3	0.000m	0.000m	0.000m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	0.00
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
blue	35.33	1\1,1\2,1\5,1\6,1\12 1\13,1\15,1\16,1b\1,1b\2 1b\5,1b\6,1b\12,1b\13,1b\15 1b\16,2\1,2\2,2\5,2\6 2b\3,2b\4,2b\7,2b\8,3\1 3\2,3\5,3\6,3\9,3\10 3\13,3\14
white	15.78	1\3,1\4,1\14,1b\3,1b\4 1b\14,2\3,2\4,2b\5,2b\6 3\3,3\4,3\11,3\12
red	8.87	1\7,1\11,1b\7,1b\11,2\7 2b\2,3\7,3\8
yellow	7.49	1\8,1\9,1\10,1b\8,1b\9 1b\10,2\8,2b\1

