

Asymmetric: 8000503 Ryan J-105 130 %Drifter.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000503 Ryan J-1

Initial Design Date: 15/6/2024
Boat:
Drifter130%%
Client:

Comments:

Design Data
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Asymmetric

Measurements

| | | |
|----------------------|----------|--------------------|
| Luff length (SLU): | 12.910m | |
| Leech length (SLE): | 10.898m | |
| Foot length (SFL): | 6.111m | |
| Headboard Width: | 0.020m | |
| Three-quarter width: | 1.365m | Closest Pt: 1.142m |
| Half width (SHW): | 2.870m | Closest Pt: 2.412m |
| Quarter width: | 4.452m | Closest Pt: 3.780m |
| ORC Area: | 34.899m? | |
| IRC Area: | 34.759m? | |
| Surface Area: | 32.772m? | |
| Hoist height: | 12.830m | |
| J: | 4.110m | |

Luff Curve

| | |
|----------|--------|
| 15.500m, | 0.000m |
| 11.625m, | 0.000m |
| 7.750m, | 0.000m |
| 3.875m, | 0.000m |
| 0.000m, | 0.000m |

Fanned Luff (@ 5.00% [0.293m])

| | | |
|------------------|---------|---------|
| 100% (12.885m) : | 0.000m | 0.000m |
| 90% (11.595m) : | -0.129m | -0.005m |
| 80% (10.306m) : | -0.241m | 0.006m |
| 70% (9.018m) : | -0.319m | 0.036m |
| 60% (7.730m) : | -0.355m | 0.068m |
| 50% (6.442m) : | -0.350m | 0.095m |
| 40% (5.154m) : | -0.321m | 0.115m |
| 30% (3.866m) : | -0.270m | 0.120m |
| 20% (2.578m) : | -0.198m | 0.108m |
| 10% (1.289m) : | -0.105m | 0.067m |
| 0% (0.000m) : | 0.000m | 0.000m |

Before BSeam

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Seam Allowances

| | Split | Radial | Cross |
|-----------|--------|--------|--------|
| Zone: 1/a | 0.025m | 0.014m | 0.025m |
| Zone: 1/b | 0.025m | 0.014m | 0.025m |
| Zone: 2/a | 0.025m | 0.014m | 0.025m |
| Zone: 2/b | 0.025m | 0.014m | 0.025m |
| Zone: 3 | 0.025m | 0.014m | 0.025m |

Edge Excesses

| Sail: | Luff | Leech | Foot |
|-------|--------|--------|--------|
| | 0.000m | 0.000m | 0.000m |

Total Seam Lengths (m)

| | |
|-----------------|--------|
| Horizontal | 6.14 |
| Radial/Vertical | 132.07 |
| Bi-Radial Split | 7.44 |

Materials

| Material | Area (m ²) | Panels |
|------------|------------------------|---|
| Material 1 | 32.87 | 1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1b\1,1b\2,1b\3 1b\4,1b\5,1b\6,1b\7,1b\8 1b\9,1b\10,1b\11,1b\12,2\1 2\2,2\3,2\4,2\5,2b\1 2b\2,2b\3,2b\4,2b\5,3\1 3\2,3\3,3\4,3\5,3\6 |

