

Asymmetric: 8000919 Richard-2 Gennaker V2.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000919 Richard E

Initial Design Date: 26/9/2024
Boat:

Comments:

Client:

Design Data
=====

Asymmetric

Measurements

| | | |
|----------------------|-----------------------|---------------------|
| Luff length (SLU): | 16.600m | |
| Leech length (SLE): | 14.600m | |
| Foot length (SFL): | 9.980m | |
| Headboard Width: | 0.020m | |
| Three-quarter width: | 5.245m | Closest Pt: 4.301m |
| Half width (SHW): | 9.122m | Closest Pt: 8.236m |
| Quarter width: | 10.512m | Closest Pt: 10.527m |
| ORC Area: | 120.820m ² | |
| IRC Area: | 120.337m ² | |
| Surface Area: | 123.915m ² | |
| Hoist height: | 15.130m | |
| J: | 6.050m | |

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% [0.420m])

| | |
|------------------|---------|
| 100% (16.599m) : | 0.000m |
| 85% (14.056m) : | 0.076m |
| 71% (11.862m) : | 0.080m |
| 61% (10.046m) : | 0.062m |
| 51% (8.449m) : | 0.045m |
| 42% (6.970m) : | 0.024m |
| 33% (5.556m) : | -0.002m |
| 25% (4.170m) : | -0.025m |
| 17% (2.789m) : | -0.030m |
| 8% (1.396m) : | -0.017m |
| 0% (0.000m) : | 0.000m |

Before BSeam

| |
|--------|
| 0.000m |
| 1.092m |
| 1.883m |
| 2.343m |
| 2.531m |
| 2.496m |
| 2.264m |
| 1.859m |
| 1.302m |
| 0.660m |
| 0.000m |

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Seam Allowances

| | Split | Radial | Cross |
|-----------|--------|--------|--------|
| Zone: 1/a | 0.030m | 0.016m | 0.030m |
| Zone: 1/b | 0.030m | 0.016m | 0.030m |
| Zone: 2/a | 0.030m | 0.016m | 0.030m |
| Zone: 2/b | 0.030m | 0.016m | 0.030m |
| Zone: 3/a | 0.030m | 0.016m | 0.030m |
| Zone: 3/b | 0.030m | 0.016m | 0.030m |
| Zone: 4 | 0.030m | 0.016m | 0.030m |

Edge Excesses

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

Total Seam Lengths (m)

| | |
|-----------------|--------|
| Horizontal | 27.30 |
| Radial/Vertical | 316.80 |
| Bi-Radial Split | 11.88 |

Materials

| Material | Area (m ²) | Panels |
|----------|------------------------|--|
| Yellow | 98.88 | 1\1,1\2,1\3,1\4,1\5 1\6,1\10,1\11,1\12,1\13 1\14,1\15,1b\1,1b\2,1b\3 1b\4,1b\5,1b\6,1b\7,1b\8 1b\12,1b\13,1b\14,1b\15,1b\16 1b\17,2\1,2\2,2\3,2\4 2\5,2\6,2b\3,2b\4,2b\5 2b\6,2b\7,2b\8,2b\9,2b\10 3\1,3\2,3\3,3\4,3\5 3\6,3b\2,3b\3,3b\4,3b\5 3b\6,3b\7,3b\8,3b\9,4\1 4\2,4\3,4\4,4\5,4\6 4\7,4\8,4\9,4\10,4\11 4\12,4\13,4\14 |
| Red | 25.17 | 1\7,1\8,1\9,1b\9,1b\10 1b\11,2\7,2\8,2b\1,2b\2 3\7,3b\1 |

