

Asymmetric: 7000909 Alfonso Bavaria 42 Code zeroV2.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7000909 Alfonso\7000909 Alfonso

Initial Design Date: 14/9/2023
Boat:

Comments:

Client:

Design Data
=====

Asymmetric

Measurements

| | | |
|----------------------|----------|--------------------|
| Luff length (SLU): | 17.800m | |
| Leech length (SLE): | 15.893m | |
| Foot length (SFL): | 9.435m | |
| Headboard Width: | 0.005m | |
| Three-quarter width: | 3.313m | Closest Pt: 2.846m |
| Half width (SHW): | 5.957m | Closest Pt: 5.270m |
| Quarter width: | 7.907m | Closest Pt: 7.134m |
| ORC Area: | 93.399m? | |
| IRC Area: | 93.025m? | |
| Surface Area: | 88.710m? | |
| Hoist height: | 17.500m | |
| J: | 5.550m | |

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% [0.451m])

| | |
|------------------|---------|
| 100% (17.775m) : | 0.000m |
| 90% (15.997m) : | -0.151m |
| 80% (14.219m) : | -0.282m |
| 70% (12.441m) : | -0.371m |
| 60% (10.664m) : | -0.411m |
| 50% (8.887m) : | -0.404m |
| 40% (7.110m) : | -0.370m |
| 30% (5.333m) : | -0.310m |
| 20% (3.556m) : | -0.226m |
| 10% (1.778m) : | -0.119m |
| 0% (0.000m) : | 0.000m |

Before BSeam

| |
|--------|
| 0.000m |
| 0.050m |
| 0.122m |
| 0.212m |
| 0.275m |
| 0.302m |
| 0.295m |
| 0.252m |
| 0.199m |
| 0.120m |
| 0.000m |

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Seam Allowances

| | Split | Radial | Cross |
|-----------|--------|--------|--------|
| Zone: 1/a | 0.025m | 0.016m | 0.025m |
| Zone: 1/b | 0.025m | 0.016m | 0.025m |
| Zone: 2/a | 0.025m | 0.016m | 0.025m |
| Zone: 2/b | 0.025m | 0.016m | 0.025m |
| Zone: 3/a | 0.025m | 0.016m | 0.025m |
| Zone: 3/b | 0.025m | 0.016m | 0.025m |

Edge Excesses

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

Total Seam Lengths (m)

| | |
|-----------------|--------|
| Horizontal | 12.09 |
| Radial/Vertical | 273.02 |
| Bi-Radial Split | 16.79 |

Materials

| Material | Area (m ²) | Panels |
|----------|------------------------|---|
| white | 72.39 | 1\1, 1\2, 1\3, 1\4, 1\5 1\7, 1\9, 1\10, 1\11, 1\12 1\13, 1\14, 1b\1, 1b\2, 1b\3 1b\4, 1b\5, 1b\7, 1b\9, 1b\10 1b\11, 1b\12, 1b\13, 1b\14, 2\1 2\2, 2\3, 2\4, 2\5, 2\7 2b\7, 2b\5, 2b\4, 2b\3, 2b\2 2b\1, 3\1, 3\2, 3\3, 3\4 3\5, 3b\5, 3b\4, 3b\3, 3b\2 3b\1 |
| grey | 16.50 | 1\6, 1\8, 1b\6, 1b\8, 2\6 2b\6, 3\6, 3b\6 |

