

Mainsail: 8001112 Budimir-1 stdmain.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001112 Budimir r

Initial Design Date: 3/12/2024
Boat:

Comments:

Client:

Design Data
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Main

Measurements

| | |
|----------------------------|----------|
| Luff geodesic: | 7.821m |
| Leech geodesic: | 8.433m |
| Foot geodesic: | 3.267m |
| Head geodesic: | 0.115m |
| Upper width (MUW): | 0.625m |
| Three-quarter width (MTW): | 1.140m |
| Half width (MHW): | 2.002m |
| Quarter width (MQW): | 2.705m |
| Foot median: | 8.067m |
| ORC Mainsail area: | 14.733m? |
| Surface area: | 15.246m? |
| Clew height: | 0.100m |
| Mast rake: | 0.000m |

Battens

| Position | Length | Roach | Angle | Luff | Leech | Full |
|----------|--------|--------|---------|--------|--------|------|
| 80.000% | 0.630m | 0.197m | 67.908? | 6.272m | 6.713m | |
| 60.000% | 0.780m | 0.256m | 67.908? | 4.725m | 5.035m | |
| 40.000% | 0.750m | 0.214m | 67.908? | 3.179m | 3.356m | |
| 20.000% | 0.780m | 0.124m | 67.908? | 1.632m | 1.678m | |

Reefing Points

1, Luff: 1.173m ; Leech: 1.231m ; Offset: 0.000m ; Number Eyelets: 2

Draft Stripes

1, Luff: 2.580m ; Leech: 2.644m ;
2, Luff: 5.161m ; Leech: 5.407m ;

Luff Slides

- 1, Position: 0.816m
- 2, Position: 1.632m
- 3, Position: 2.405m
- 4, Position: 3.179m
- 5, Position: 3.952m
- 6, Position: 4.725m
- 7, Position: 5.499m
- 8, Position: 6.272m
- 9, Position: 7.047m

Luff Curve

| | | Fanned Luff (@ 5.00% [0.163m]) | Before BSeam |
|---------|---------|--------------------------------|--------------|
| 7.821m, | 0.000m | 100% (7.821m) : | 0.000m |
| 6.846m, | -0.018m | 90% (7.039m) : | 0.032m |
| 5.866m, | -0.031m | 80% (6.257m) : | 0.060m |
| 4.883m, | -0.037m | 70% (5.475m) : | 0.079m |
| 3.910m, | -0.037m | 60% (4.693m) : | 0.090m |
| 2.914m, | -0.034m | 50% (3.911m) : | 0.094m |
| 1.955m, | -0.027m | 40% (3.128m) : | 0.091m |
| 0.975m, | -0.016m | 30% (2.346m) : | 0.080m |
| 0.000m, | 0.000m | 20% (1.564m) : | 0.060m |
| | | 10% (0.782m) : | 0.030m |
| | | 0% (0.000m) : | 0.000m |

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| Seam Allowances | | | |
|-----------------|--------|--------|--------|
| Zone: 1 | Split | Radial | Cross |
| | 0.025m | 0.025m | 0.025m |

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

Total Seam Lengths (m)

| | |
|-----------------|-------|
| Horizontal | 14.44 |
| Radial/Vertical | 0.00 |
| Bi-Radial Split | 0.00 |

Materials

| Material | Area (m ²) | Panels |
|------------|------------------------|--------------------|
| Material 1 | 15.22 | 1,2,3,4,5 6,7,8 |

