

Mainsail: 5000905 Víctor Main-1 -V2-Confirmed version

Design Info
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Design File:
E:\dropbox\Dropbox\Fareast Sails\2021\5000905 Víctor\5000905 Víctor Main-1 -V2-Confirmed version.des

Initial Design Date: 3/12/2021
Boat:

Comments:

Client:

Design Data
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Main

Measurements

| | |
|----------------------------|----------|
| Luff geodesic: | 11.940m |
| Leech geodesic: | 12.399m |
| Foot geodesic: | 3.700m |
| Head geodesic: | 0.115m |
| Upper width (MUW): | 0.653m |
| Three-quarter width (MTW): | 1.194m |
| Half width (MHW): | 2.173m |
| Quarter width (MQW): | 2.985m |
| Foot median: | 12.138m |
| ORC Mainsail area: | 24.652m? |
| Surface area: | 25.015m? |
| Clew height: | 0.100m |
| Mast rake: | 0.000m |

Battens

| Position | Length | Roach | Angle | Luff | Leech | Full |
|----------|--------|--------|---------|--------|--------|------|
| 80.000% | 0.775m | 0.111m | 74.707? | 9.547m | 9.895m | |
| 60.000% | 1.107m | 0.150m | 74.707? | 7.160m | 7.421m | |
| 40.000% | 1.107m | 0.125m | 74.707? | 4.773m | 4.947m | |
| 20.000% | 0.923m | 0.069m | 74.707? | 2.386m | 2.474m | |

Reefing Points

- 1, Luff: 1.500m ; Leech: 1.553m ; Offset: 0.000m ; Number Eyelets: 2
- 2, Luff: 3.000m ; Leech: 3.103m ; Offset: 0.000m ; Number Eyelets: 2
- 3, Luff: 4.500m ; Leech: 4.651m ; Offset: 0.000m ; Number Eyelets: 2

Luff Curve

| | | Fanned Luff (@ 5.00% [0.184m]) | Before BSeam |
|----------|---------|--------------------------------|--------------|
| 11.940m, | 0.000m | 100% (11.940m) : | 0.000m |
| 8.955m, | -0.045m | 90% (10.746m) : | 0.035m |
| 5.970m, | -0.060m | 80% (9.552m) : | 0.069m |
| 2.985m, | -0.045m | 70% (8.358m) : | 0.099m |
| 0.000m, | 0.000m | 60% (7.164m) : | 0.120m |
| | | 50% (5.970m) : | 0.124m |
| | | 40% (4.776m) : | 0.115m |
| | | 30% (3.582m) : | 0.096m |
| | | 20% (2.388m) : | 0.067m |
| | | 10% (1.194m) : | 0.031m |
| | | 0% (0.000m) : | 0.000m |

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| Seam Allowances | | | |
|-----------------|--------|--------|--------|
| Zone: | Split | Radial | Cross |
| 1 | 0.000m | 0.000m | 0.025m |

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

Total Seam Lengths (m)

| | |
|-----------------|-------|
| Horizontal | 18.35 |
| Radial/Vertical | 0.00 |
| Bi-Radial Split | 0.00 |

Materials

| Material | Area (m ²) | Panels |
|------------|------------------------|-------------------------|
| Material 1 | 25.04 | 1,2,3,4,5 6,7,8,9,10 |

