





Rig and Sail Plan Dimensions

| | <u>Main</u> | | <u>Fore</u> | | <u>Spin</u> |
|-----|-------------|-----|-------------|-----|-------------|
| P | 15.470 | IG | 16.500 | SPL | 5.000 |
| E | 5.300 | J | 5.000 | SMW | 6.500 |
| BAD | 1.700 | LP | 6.750 | SLU | 17.000 |
| | | HBI | 1.582 | SLE | 17.000 |
| | | | | ISP | 16.700 |

Sail Inventory

| <u>Name</u> | <u>Area</u> | <u>Span</u> | <u>BaseHt</u> | <u>AFx</u> | <u>Aero</u> | <u>Base</u> |
|-------------|-------------|-------------|---------------|------------|-------------|-------------|
| Spin | 125.000 | 14.700 | 2.000 | 0.750 | Spin_0 | SPIN |
| Jib | 54.150 | 15.055 | 0.600 | 1.000 | Jib_0 | HEAD |
| Main | 48.250 | 15.470 | 1.700 | 1.000 | Main_0 | MAIN |

Windage Elements

| <u>Name</u> | <u>Ax</u> | <u>Ay</u> | <u>Cdx</u> | <u>Cdy</u> | <u>Ht</u> | <u>Type</u> |
|-------------|-----------|-----------|------------|------------|-----------|-------------|
| MastSail | 2.747 | 4.293 | 0.400 | 1.000 | 7.211 | mast w/sail |
| Hull | 7.130 | 22.800 | 0.400 | 0.900 | -0.633 | hull |
| MainRigging | 1.648 | 1.648 | 1.000 | 1.000 | 7.211 | other |
| MastBare | 2.747 | 4.293 | 0.800 | 1.100 | 7.211 | mast bare |

Sail Sets and Member Sails

| <u>Downwind</u> | <u>Upwind</u> |
|-----------------|---------------|
| <u>[Dn]</u> | <u>[Up]</u> |
| Spin | Jib |
| Main | Main |

Opsets

| <u>Name</u> | <u>Flotation</u> | <u>SailSet</u> | <u>VtLo</u> | <u>VtHi</u> | <u>BtLo</u> | <u>BtHi</u> | <u>VaLim</u> | <u>UpOpt</u> | <u>DnOpt</u> |
|-------------|------------------|----------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|
| Ops_Upwind | OC 46 | Upwind | 4.0 | 30.0 | 30.0 | 120.0 | 70.0 | * | |
| Ops_Down | OC 46 | Downwind | 4.0 | 30.0 | 70.0 | 180.0 | 70.0 | | * |

Notes

Best Boatspeeds (kt)

| | 4 | 8 | 12 | 16 | 20 | 25 | 30 |
|--------|-------|-------|-------|-------|-------|-------|-------|
| 40.0 | 2.83 | 5.25 | 6.32 | 6.71 | 6.84 | 6.76 | 6.25 |
| 45.0 | 3.24 | 5.82 | 6.85 | 7.21 | 7.37 | 7.42 | 7.27 |
| 52.0 | 3.70 | 6.41 | 7.36 | 7.68 | 7.85 | 7.95 | 7.95 |
| 60.0 | 4.09 | 6.88 | 7.74 | 8.05 | 8.23 | 8.35 | 8.41 |
| 75.0 | 4.45 | 7.27 | 8.19 | 8.50 | 8.71 | 8.88 | 8.99 |
| 90.0 | 4.74 | 7.51 | 8.31 | 8.81 | 9.05 | 9.27 | 9.43 |
| 120.0 | 4.39 | 7.33 | 8.50 | 9.06 | 9.48 | 9.90 | 10.28 |
| 135.0 | 3.56 | 6.56 | 8.13 | 9.02 | 9.79 | 10.51 | 11.16 |
| 150.0 | 2.74 | 5.41 | 7.36 | 8.45 | 9.33 | 10.52 | 12.11 |
| 165.0 | 2.29 | 4.61 | 6.62 | 7.99 | 8.88 | 9.98 | 11.54 |
| 180.0 | 2.14 | 4.32 | 6.27 | 7.74 | 8.67 | 9.72 | 11.06 |
| Up.Vs | 3.44 | 5.80 | 6.61 | 6.88 | 7.09 | 7.24 | 7.33 |
| Up.Bt | 47.9 | 44.8 | 42.6 | 41.5 | 42.1 | 43.3 | 45.4 |
| Up.Vmg | 2.31 | 4.12 | 4.87 | 5.15 | 5.26 | 5.26 | 5.14 |
| Dn.Vs | 3.45 | 5.95 | 6.95 | 7.82 | 8.69 | 9.76 | 11.45 |
| Dn.Bt | 137.0 | 143.1 | 157.5 | 173.2 | 176.6 | 175.9 | 166.8 |
| Dn.Vmg | 2.52 | 4.76 | 6.42 | 7.76 | 8.68 | 9.73 | 11.15 |