

**BERRET-RACOUPEAU YACHT DESIGN**

**VPP - OC51.1 GTE (2.30 m draft keel) Performance aluminium mast**

Displacement MMOC: 14269 Kg

Feather propeller PIPA=0.0151

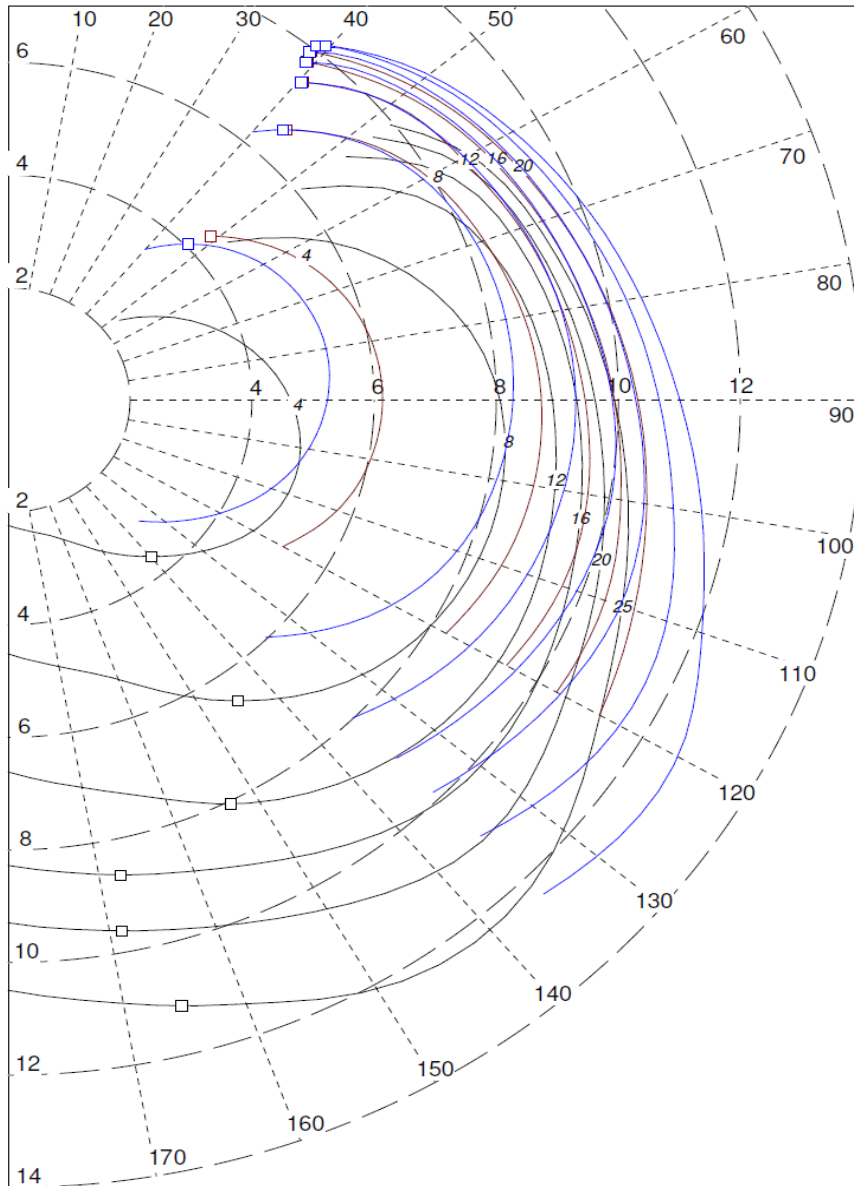
Date: 11.06.2019

MainSail Area: 65.3m<sup>2</sup>

Genoa Area: 71.6m<sup>2</sup>

Code 0: 150m<sup>2</sup>

Spi: 191m<sup>2</sup>



| Speed (ks) | 4    | 8    | 12   | 16    | 20    | 25    | 30    |
|------------|------|------|------|-------|-------|-------|-------|
| 40         | 3.5  | 6.23 | 7.37 | 7.83  | 8.06  | 8.2   | 8.22  |
| 45         | 3.92 | 6.78 | 7.85 | 8.24  | 8.46  | 8.58  | 8.64  |
| 52         | 4.69 | 7.43 | 8.31 | 8.63  | 8.85  | 9.03  | 9.12  |
| 60         | 5.25 | 7.94 | 8.63 | 8.98  | 9.22  | 9.42  | 9.55  |
| 70         | 5.76 | 8.3  | 8.96 | 9.33  | 9.6   | 9.87  | 10.06 |
| 80         | 6.04 | 8.58 | 9.22 | 9.64  | 9.97  | 10.28 | 10.53 |
| 90         | 6.13 | 8.74 | 9.45 | 9.93  | 10.32 | 10.67 | 11.01 |
| 100        | 6.03 | 8.74 | 9.65 | 10.19 | 10.62 | 11.07 | 11.54 |
| 110        | 5.74 | 8.6  | 9.66 | 10.41 | 10.91 | 11.48 | 12.1  |
| 120        | 5.2  | 8.27 | 9.43 | 10.37 | 11.19 | 11.57 | 12.67 |
| 135        | 3.9  | 7.24 | 8.97 | 10.05 | 11.03 | 12.16 | 12.41 |
| 150        | 3.1  | 6.11 | 8.24 | 9.38  | 10.44 | 12.08 | 13.73 |
| 160        | 2.63 | 5.28 | 7.53 | 8.9   | 9.95  | 11.41 | 12.87 |
| 170        | 2.38 | 4.8  | 6.98 | 8.55  | 9.57  | 10.88 | 12.2  |
| 180        | 2.22 | 4.51 | 6.6  | 8.26  | 9.29  | 10.49 | 11.69 |

| Speed (ks) | 4     | 8     | 12   | 16    | 20    | 25   | 30    |
|------------|-------|-------|------|-------|-------|------|-------|
| Up.Vs      | 4.41  | 6.59  | 7.44 | 7.76  | 7.94  | 8.07 | 8.17  |
| Up.Bt      | 48.7  | 43.1  | 40.5 | 39.2  | 38.7  | 38.7 | 39.5  |
| Up.Vmg     | 2.91  | 4.81  | 5.65 | 6.01  | 6.2   | 6.29 | 6.3   |
| Dn.Vs      | 3.64  | 6.54  | 8.05 | 8.64  | 9.62  | 11.1 | -     |
| Dn.Bt      | 139.9 | 144.8 | 153  | 167.7 | 168.8 | 165  | -     |
| Dn.Vmg     | 2.78  | 5.34  | 7.17 | 8.44  | 9.44  | 10.8 | 12.08 |

Upwind

Downwind

|               |                   |
|---------------|-------------------|
| Upwind        | Mainsail + genoa  |
| Upwind reefed | Mainsail + genoa  |
| Downwind      | Mainsail + Spi    |
| Reaching      | Mainsail + Code 0 |

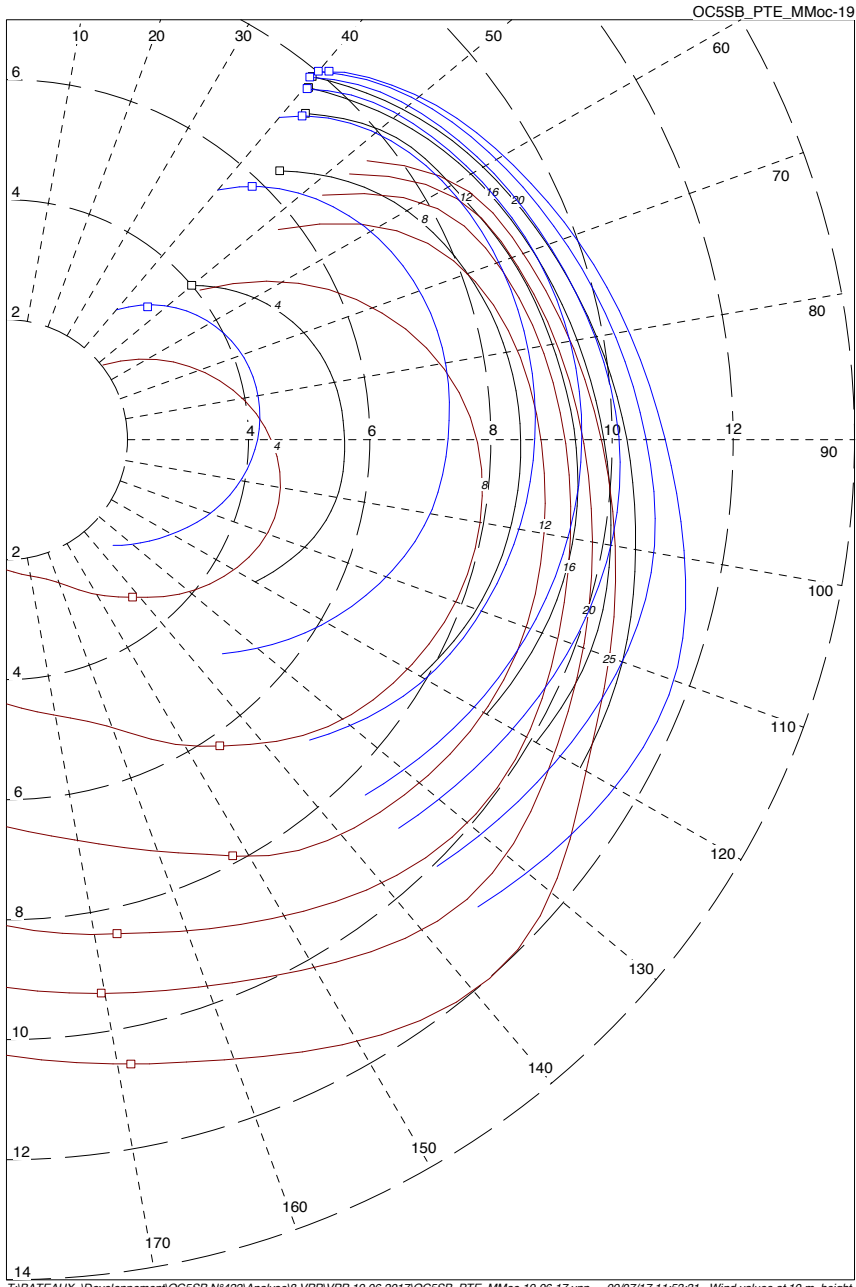
**BERRET-RACOUPEAU YACHT DESIGN**  
**VPP - OC5SB PTE**

Displacement MMOC: 14451 Kg  
 Feather propeller PIPA=0.0151

**Grunda kölen 1,92 m djupgående**

Furling MainSail: 45.4m2  
 Auto-tacking Jib: 47.4m2  
 CODE 0: 140m<sup>2</sup>  
 Spi: 177m<sup>2</sup>

Date: 07.09.2017



T:\BATEAUX\_Developpement\OC5SB N°422\Analyse\8 VPP\VPP 19 06 2017\OC5SB\_PTE\_MMoc-19.06.17.vpp 09/07/17 11:53:31 Wind values at 10 m. height.

| Speed (ks) | 4    | 8    | 12   | 16    | 20    | 25    | 30    |
|------------|------|------|------|-------|-------|-------|-------|
| 40         | 2.83 | 5.44 | 7.01 | 7.64  | 7.9   | 8.01  | 8     |
| 45         | 3.17 | 5.96 | 7.57 | 8.11  | 8.34  | 8.47  | 8.52  |
| 52         | 4.16 | 7.04 | 8.17 | 8.54  | 8.77  | 8.94  | 9.03  |
| 60         | 4.73 | 7.63 | 8.48 | 8.9   | 9.14  | 9.34  | 9.47  |
| 70         | 5.22 | 8.1  | 8.86 | 9.25  | 9.52  | 9.78  | 9.97  |
| 80         | 5.5  | 8.38 | 9.15 | 9.57  | 9.89  | 10.19 | 10.43 |
| 90         | 5.58 | 8.49 | 9.39 | 9.86  | 10.24 | 10.56 | 10.87 |
| 100        | 5.54 | 8.45 | 9.5  | 10.12 | 10.54 | 10.85 | 11.37 |
| 110        | 5.24 | 8.26 | 9.41 | 10.27 | 10.82 | 10.82 | 11.72 |
| 120        | 4.74 | 7.89 | 9.15 | 10.09 | 10.94 | 11.05 | 11.59 |
| 135        | 3.69 | 6.96 | 8.76 | 9.83  | 10.79 | 11.97 | 11.01 |
| 150        | 2.98 | 5.89 | 8.02 | 9.16  | 10.16 | 11.58 | 13    |
| 160        | 2.54 | 5.1  | 7.3  | 8.71  | 9.69  | 10.98 | 12.28 |
| 170        | 2.3  | 4.66 | 6.78 | 8.37  | 9.37  | 10.56 | 11.76 |
| 180        | 2.17 | 4.4  | 6.45 | 8.1   | 9.13  | 10.26 | 11.39 |

Upwind  
 Downwind

| Speed (ks) | 4     | 8     | 12    | 16    | 20    | 25    | 30   |
|------------|-------|-------|-------|-------|-------|-------|------|
| Up.Vs      | 3.99  | 6.36  | 7.35  | 7.7   | 7.88  | 8.01  | 8.13 |
| Up.Bt      | 50    | 45.2  | 42.2  | 40.3  | 39.8  | 40    | 40.9 |
| Up.Vmg     | 2.57  | 4.48  | 5.44  | 5.87  | 6.05  | 6.14  | 6.14 |
| Dn.Vs      | 3.35  | 6.2   | 7.88  | 8.43  | 9.35  | 10.61 | -    |
| Dn.Bt      | 141.5 | 145.4 | 151.7 | 167.5 | 170.4 | 168.8 | -    |
| Dn.Vmg     | 2.62  | 5.1   | 6.93  | 8.23  | 9.22  | 10.41 | 11.6 |

|          |                  |
|----------|------------------|
| Upwind   | Mainsail + Jib   |
| Downwind | Mainsail + Code0 |
|          | Reef             |
| Reaching | Mainsail + Code0 |

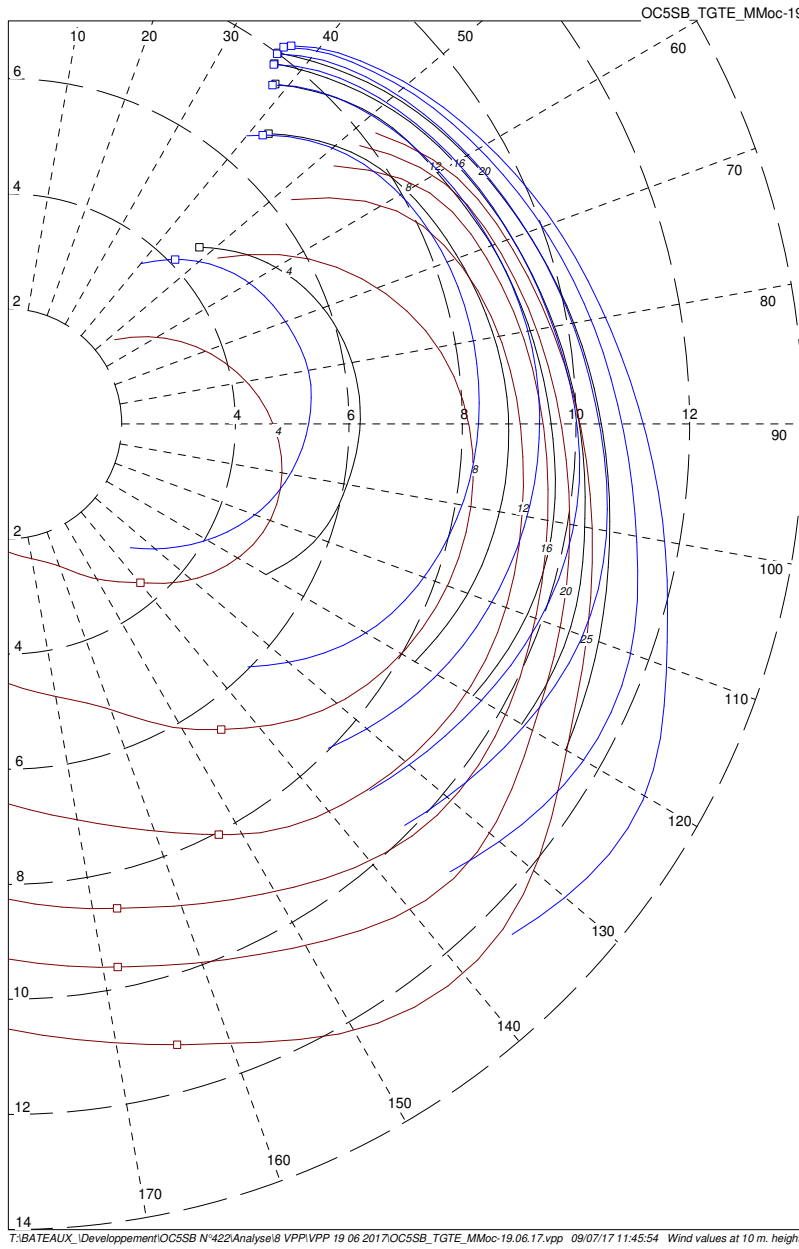
**BERRET-RACOUPEAU YACHT DESIGN**  
**VPP - OC5SB TGTE gréement carbone**

Displacement MMOC: 13976 Kg  
 Feather propeller PIPA=0.0151

**Kolfibermast + Performance kölen**  
**"Carbon First Line Pack"**

MainSail Area: 65.3m<sup>2</sup>  
 Genoa Area: 71.6m<sup>2</sup>  
 Code 0: 150m<sup>2</sup>  
 Spi: 191m<sup>2</sup>

Date: 07.09.2017 Rev A



T:\BATEAUX\_Developpement\OC5SB N°422\Analyse\VPPI\VPP 19\_06\_2017\OC5SB\_TGTE\_MMoc-19\_06.17.vpp 09/07/17 11:45:54 Wind values at 10 m. height.

| Speed (kts) | 4    | 8    | 12   | 16    | 20    | 25    | 30    |
|-------------|------|------|------|-------|-------|-------|-------|
| 40          | 3.63 | 6.54 | 7.67 | 8.09  | 8.31  | 8.46  | 8.52  |
| 45          | 4.04 | 7.05 | 8.06 | 8.43  | 8.65  | 8.79  | 8.88  |
| 52          | 4.91 | 7.67 | 8.47 | 8.78  | 9.01  | 9.19  | 9.3   |
| 60          | 5.44 | 8.1  | 8.76 | 9.11  | 9.35  | 9.57  | 9.72  |
| 70          | 5.9  | 8.43 | 9.07 | 9.45  | 9.73  | 10.01 | 10.22 |
| 80          | 6.14 | 8.69 | 9.33 | 9.76  | 10.11 | 10.42 | 10.68 |
| 90          | 6.2  | 8.81 | 9.56 | 10.06 | 10.45 | 10.81 | 11.18 |
| 100         | 6.06 | 8.78 | 9.74 | 10.31 | 10.75 | 11.23 | 11.74 |
| 110         | 5.79 | 8.61 | 9.72 | 10.52 | 11.06 | 11.66 | 12.33 |
| 120         | 5.24 | 8.27 | 9.45 | 10.44 | 11.33 | 11.69 | 12.94 |
| 135         | 3.91 | 7.24 | 8.97 | 10.1  | 11.13 | 12.36 | 12.55 |
| 150         | 3.11 | 6.11 | 8.24 | 9.38  | 10.46 | 12.17 | 13.88 |
| 160         | 2.63 | 5.28 | 7.53 | 8.9   | 9.96  | 11.45 | 12.94 |
| 170         | 2.38 | 4.81 | 6.98 | 8.55  | 9.59  | 10.92 | 12.25 |
| 180         | 2.23 | 4.51 | 6.6  | 8.26  | 9.3   | 10.51 | 11.73 |

| Speed (kts) | 4     | 8     | 12    | 16    | 20    | 25   | 30    |
|-------------|-------|-------|-------|-------|-------|------|-------|
| Up.Vs       | 4.56  | 6.81  | 7.55  | 7.82  | 8.01  | 8.14 | 8.25  |
| Up.Bt       | 47.7  | 42.2  | 38.6  | 36.8  | 36.4  | 36.5 | 37.2  |
| Up.Vmg      | 3.07  | 5.04  | 5.9   | 6.26  | 6.45  | 6.54 | 6.57  |
| Dn.Vs       | 3.61  | 6.5   | 8.04  | 8.63  | 9.63  | 11.2 | -     |
| Dn.Bt       | 139.9 | 144.8 | 152.5 | 167.2 | 168.5 | 165  | -     |
| Dn.Vmg      | 2.76  | 5.31  | 7.14  | 8.42  | 9.44  | 10.8 | 12.14 |

Upwind  
 Downwind

|          |                   |
|----------|-------------------|
| Upwind   | Mainsail + genoa  |
| Downwind | Mainsail + Spi    |
| Reaching | Mainsail + Code 0 |
|          | Reef              |