



World Leader in Rating Technology

2019 (Test)  
ORC Club  
Certificate

Rating Office  
Designer Data Designer  
Data Designer Data  
Designer Data

**INVALID  
FOR  
RACING**

Certificate

Number **01**  
Issued On **31/01/2019**  
ORC Ref **N/A**  
VPP Ver. **2019 1.01**  
**Invalid for Racing**

Crew Weight

Default **1,201kg**  
Maximum **1,201kg**  
Minimum\* **901kg**  
*\*when applied by the NoR and*  
Non Manual Pwr **No**

Special Scoring

ToD ToT  
Non Spin **GPH 543.1 1.1048**  
Non Spin **OSN 529.8 1.1324**

Sails Limitations

Headsail **7 Spinnakers 5**

Asymmetric on centerline

Spinnaker configuration  
Symmetric: **No**  
Asymmetric: **Yes 272.86**  
Flying H/S: **162.27**  
Spin. Pole: **No**

Class Division Length

**CDL = 13.888**

Stability (Estimated)

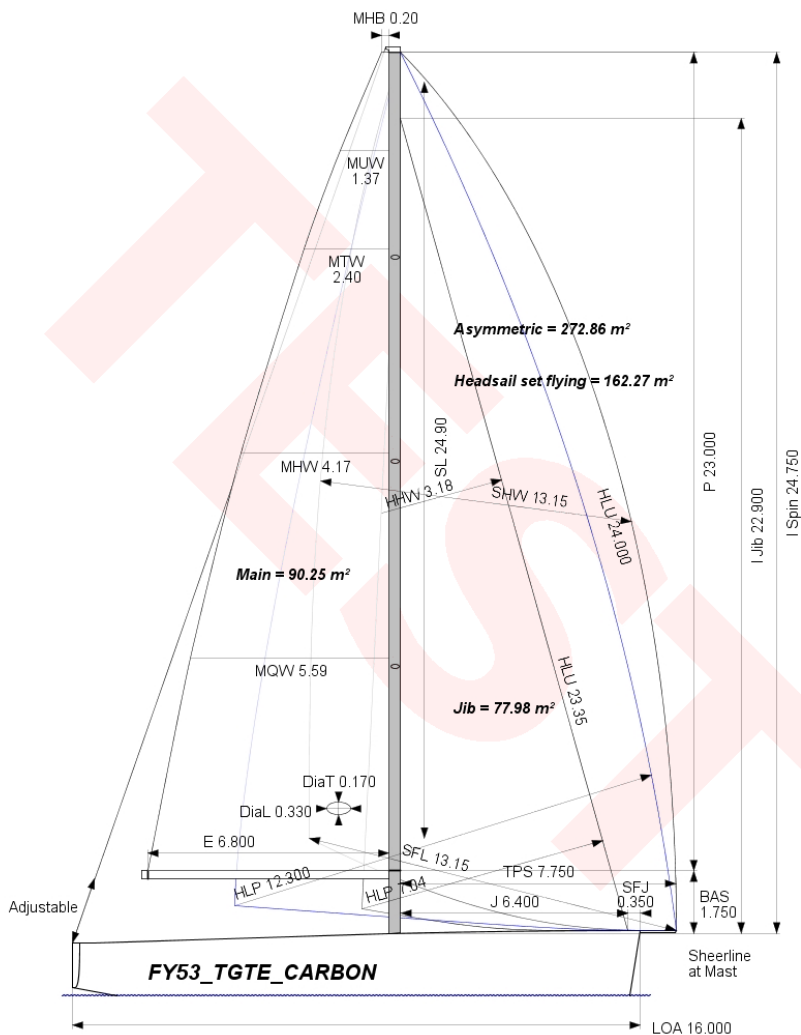
Limit Positive Stab.: **113.4°**  
Stability Index: **118.9**

Owner

**Beneteau**

I certify that I understand my responsibilities  
under ORC Rules and Regulations

Signature



<b>BOAT</b> Name <b>FY53_TGTE_carbon</b> Sail Nr		<b>GPH</b> <b>493.5</b>	<b>HULL</b> Data File <b>FY5MA_TGTE_c</b> LOA <b>16.000m</b> Offset File <b>FY5MA_TGTE.off</b> MB <b>5.000m</b> Displacement <b>15,505kg</b> Draft <b>2.899m</b> IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0.037%</b> Fwd Accom. <b>Yes</b> Construction <b>Solid</b> Fiber <b>No</b> Aramid Core <b>No</b> Crew Arm Ex Carbon Rudder <b>No</b> Light <b>No</b> IMSL <b>15.023m</b> VCGD <b>0.157m</b> Sink <b>42.45kg/mm</b> RL <b>12.750m</b> VCGM <b>0.256m</b> WS <b>54.20m²</b> LSM0 <b>14.778m</b> Displacement/Length <b>4.8042</b> Water Ballast <b>0</b> Trim Tab <b>No</b> BLR Index <b>0.000</b>					
<b>CLASS</b> Class <b>first_53</b> Designer <b>biscontini</b> Builder <b>beneteau</b> Series <b>01/2019</b> Age Date <b>01/2019</b> Age Allowance <b>0.000%</b>		<b>COMMENTS</b>						
<b>PROPELLER</b> Type <b>Enter PIPA directly</b> PIPA <b>0.0038</b>		<b>CENTERBOARD</b> <b>N/A</b>						
<b>SCORING OPTIONS</b>								
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>				
Time on Distance	<b>486.1</b>			<b>552.6</b>				
Time on Time	<b>1.2343</b>			<b>1.2215</b>				
Triple Number	Low	Medium	High	Low	Medium	High		
Time on Distance	<b>550.7</b>	<b>441.9</b>	<b>398.0</b>	<b>725.6</b>	<b>554.8</b>	<b>491.2</b>		
Time on Time	<b>1.2257</b>	<b>1.5276</b>	<b>1.6960</b>	<b>0.9303</b>	<b>1.2167</b>	<b>1.3743</b>		



# 2019 (Test)

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name <b>FY53_TGTE_carbon</b>	Certificate Number <b>01</b>
Sail Nr	Issued On <b>31/01/2019</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>789.2</b>	<b>671.7</b>	<b>622.9</b>	<b>591.4</b>	<b>576.7</b>	<b>569.9</b>	<b>554.7</b>
52°	<b>507.7</b>	<b>442.8</b>	<b>418.8</b>	<b>406.0</b>	<b>399.8</b>	<b>396.8</b>	<b>389.7</b>
60°	<b>473.2</b>	<b>418.9</b>	<b>402.2</b>	<b>393.1</b>	<b>387.5</b>	<b>384.5</b>	<b>378.8</b>
75°	<b>441.1</b>	<b>398.5</b>	<b>385.0</b>	<b>377.4</b>	<b>371.0</b>	<b>365.4</b>	<b>360.2</b>
90°	<b>433.6</b>	<b>392.0</b>	<b>374.4</b>	<b>363.5</b>	<b>355.8</b>	<b>348.4</b>	<b>334.6</b>
110°	<b>467.8</b>	<b>412.0</b>	<b>385.2</b>	<b>364.8</b>	<b>342.1</b>	<b>328.9</b>	<b>309.7</b>
120°	<b>518.7</b>	<b>427.5</b>	<b>388.5</b>	<b>365.5</b>	<b>345.1</b>	<b>329.0</b>	<b>301.5</b>
135°	<b>582.0</b>	<b>467.8</b>	<b>408.4</b>	<b>381.6</b>	<b>359.3</b>	<b>336.5</b>	<b>291.0</b>
150°	<b>695.4</b>	<b>553.0</b>	<b>467.5</b>	<b>414.4</b>	<b>388.6</b>	<b>372.1</b>	<b>335.7</b>
Run VMG	<b>802.9</b>	<b>638.6</b>	<b>539.9</b>	<b>478.6</b>	<b>447.9</b>	<b>429.1</b>	<b>382.7</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>796.1</b>	<b>655.1</b>	<b>581.4</b>	<b>535.0</b>	<b>512.3</b>	<b>499.5</b>	<b>468.7</b>
Circular Random	<b>665.4</b>	<b>543.7</b>	<b>479.8</b>	<b>443.3</b>	<b>420.6</b>	<b>404.9</b>	<b>381.4</b>
Coastal / Long Distance	<b>796.7</b>	<b>613.7</b>	<b>520.4</b>	<b>461.5</b>	<b>431.2</b>	<b>407.7</b>	<b>364.3</b>
Non Spinnaker	<b>765.4</b>	<b>610.6</b>	<b>525.9</b>	<b>475.6</b>	<b>444.0</b>	<b>422.7</b>	<b>395.0</b>

<b>Velocity Prediction in Knots for True Wind Speeds</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	<b>44.5°</b>	<b>42.1°</b>	<b>40.5°</b>	<b>40.0°</b>	<b>39.5°</b>	<b>39.1°</b>	<b>39.4°</b>
Beat VMG	<b>4.56</b>	<b>5.36</b>	<b>5.78</b>	<b>6.09</b>	<b>6.24</b>	<b>6.32</b>	<b>6.49</b>
52°	<b>7.09</b>	<b>8.13</b>	<b>8.60</b>	<b>8.87</b>	<b>9.00</b>	<b>9.07</b>	<b>9.24</b>
60°	<b>7.61</b>	<b>8.59</b>	<b>8.95</b>	<b>9.16</b>	<b>9.29</b>	<b>9.36</b>	<b>9.50</b>
75°	<b>8.16</b>	<b>9.03</b>	<b>9.35</b>	<b>9.54</b>	<b>9.70</b>	<b>9.85</b>	<b>9.99</b>
90°	<b>8.30</b>	<b>9.18</b>	<b>9.62</b>	<b>9.90</b>	<b>10.12</b>	<b>10.33</b>	<b>10.76</b>
110°	<b>7.70</b>	<b>8.74</b>	<b>9.35</b>	<b>9.87</b>	<b>10.52</b>	<b>10.95</b>	<b>11.63</b>
120°	<b>6.94</b>	<b>8.42</b>	<b>9.27</b>	<b>9.85</b>	<b>10.43</b>	<b>10.94</b>	<b>11.94</b>
135°	<b>6.19</b>	<b>7.70</b>	<b>8.81</b>	<b>9.43</b>	<b>10.02</b>	<b>10.70</b>	<b>12.37</b>
150°	<b>5.18</b>	<b>6.51</b>	<b>7.70</b>	<b>8.69</b>	<b>9.26</b>	<b>9.67</b>	<b>10.72</b>
Run VMG	<b>4.48</b>	<b>5.64</b>	<b>6.67</b>	<b>7.52</b>	<b>8.04</b>	<b>8.39</b>	<b>9.41</b>
Gybe Angles	<b>142.1°</b>	<b>144.3°</b>	<b>146.0°</b>	<b>150.7°</b>	<b>151.7°</b>	<b>150.8°</b>	<b>178.3°</b>