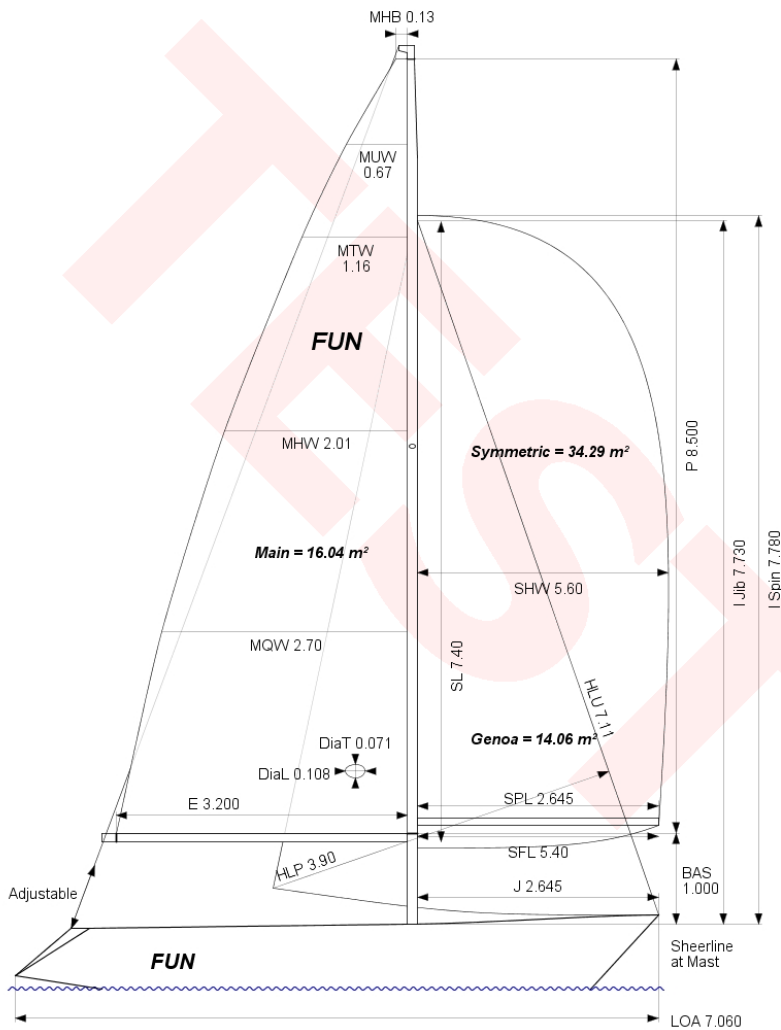




World Leader in Rating Technology

## 2019 (Test) ORC Club One Design Certificate



### Rating Office

### Certificate

Number **FUN**  
 Issued On **15/01/2019**  
 ORC Ref **N/A**  
 VPP Ver. **2019 1.01**

**Invalid for Racing**

### Crew Weight

Default 295kg  
 Maximum 360kg  
 Minimum\* 270kg  
 \*when applied by the NoR and SI  
 Non Manual Pwr No

### Special Scoring

	ToD	ToT
Non Spin GPH	735.5	0.8158
Non Spin OSN	711.8	0.8429

### Sails Limitations

Headsails 5 Spinnakers 3

### Spinnaker configuration

Symmetric: **Yes** 34.29  
 Asymmetric: **No**  
 Flying H/S: **No**  
 Spin. Pole: **Yes**

### Class Division Length

CDL = 6.344

### Stability (Measured)

Limit Positive Stab.: 110.4°  
 Stability Index: 101.6

### Owner

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

Signature

<b>BOAT</b> Name <b>FUN</b> Sail Nr <b>FUN-</b>	<b>GPH</b> <b>706.4</b>	<b>HULL</b> Data File <b>Fun</b> LOA <b>7.060m</b> Offset File <b>fun.od</b> MB <b>2.366m</b> Displacement <b>888kg</b> Draft <b>1.543m</b>
<b>CLASS</b> Class <b>FUN OD</b> Designer <b>JOUBERT-NIVELT</b> Builder Series <b>01/1983</b> Age Date Age Allowance <b>0.487%</b>		IMS Division <b>Sportboat</b> Dynamic All. <b>0.000%</b> Fwd Accom. <b>No</b> Construction <b>Cored</b> Fiber Rigging <b>No</b> Aramid Core <b>No</b> Crew Arm Ex Carbon Rudder <b>No</b> Light Stanchions <b>No</b>
<b>COMMENTS</b> ONE DESIGN		IMSL <b>5.858m</b> VCGD <b>-0.045m</b> Sink <b>6.66kg/mm</b> RL <b>6.829m</b> VCGM <b>-0.042m</b> WS <b>8.77m²</b> LSMO <b>5.519m</b> Displacement/Length ratio <b>5.2824</b>
<b>PROPELLER</b> Type <b>No Propeller</b>		Water Ballast <b>0</b> Trim Tab <b>No</b> BLR Index <b>0.0000</b>
		<b>CENTERBOARD</b>  <b>N/A</b>

SCORING OPTIONS	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Low	Medium	High	Low	Medium	High
Time on Distance	<b>685.3</b>			<b>762.3</b>		
Time on Time	<b>0.8755</b>			<b>0.8855</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>798.4</b>	<b>631.2</b>	<b>556.7</b>	<b>1020.3</b>	<b>764.4</b>	<b>677.3</b>
Time on Time	<b>0.8454</b>	<b>1.0694</b>	<b>1.2125</b>	<b>0.6616</b>	<b>0.8830</b>	<b>0.9966</b>



World Leader in Rating Technology

# 2019 (Test)

## ORC Club Certificate Appendix

<b>BOAT</b>			
Name	<b>FUN</b>	Certificate Number	<b>FUN</b>
Sail Nr	<b>FUN-</b>	Issued On	<b>15/01/2019</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1129.9</b>	<b>945.7</b>	<b>849.4</b>	<b>808.0</b>	<b>797.6</b>	<b>795.2</b>	<b>804.4</b>
52°	<b>750.7</b>	<b>653.3</b>	<b>616.7</b>	<b>593.3</b>	<b>583.0</b>	<b>578.0</b>	<b>577.4</b>
60°	<b>715.5</b>	<b>636.6</b>	<b>603.3</b>	<b>575.8</b>	<b>561.0</b>	<b>554.1</b>	<b>551.2</b>
75°	<b>693.9</b>	<b>626.9</b>	<b>590.6</b>	<b>558.0</b>	<b>532.7</b>	<b>518.9</b>	<b>509.3</b>
90°	<b>702.0</b>	<b>619.8</b>	<b>575.3</b>	<b>546.5</b>	<b>523.8</b>	<b>497.0</b>	<b>464.4</b>
110°	<b>703.9</b>	<b>617.1</b>	<b>567.3</b>	<b>524.1</b>	<b>486.3</b>	<b>459.8</b>	<b>414.9</b>
120°	<b>728.5</b>	<b>627.8</b>	<b>578.4</b>	<b>533.5</b>	<b>490.7</b>	<b>444.0</b>	<b>372.3</b>
135°	<b>811.5</b>	<b>673.8</b>	<b>607.4</b>	<b>563.0</b>	<b>522.7</b>	<b>481.7</b>	<b>372.5</b>
150°	<b>967.7</b>	<b>769.0</b>	<b>657.2</b>	<b>602.7</b>	<b>561.6</b>	<b>524.5</b>	<b>440.4</b>
Run VMG	<b>1117.4</b>	<b>887.9</b>	<b>753.4</b>	<b>661.3</b>	<b>610.9</b>	<b>571.8</b>	<b>501.8</b>

<b>Selected Courses</b>							
Windward / Leeward	<b>1123.7</b>	<b>916.8</b>	<b>801.4</b>	<b>734.6</b>	<b>704.3</b>	<b>683.5</b>	<b>653.1</b>
Circular Random	<b>961.0</b>	<b>782.5</b>	<b>686.9</b>	<b>630.4</b>	<b>593.9</b>	<b>567.8</b>	<b>529.5</b>
Coastal / Long Distance	<b>1123.0</b>	<b>866.1</b>	<b>731.5</b>	<b>653.0</b>	<b>609.5</b>	<b>569.1</b>	<b>498.4</b>
Non Spinnaker	<b>1008.7</b>	<b>817.1</b>	<b>714.3</b>	<b>653.9</b>	<b>615.5</b>	<b>589.0</b>	<b>551.4</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>41.7°</b>	<b>40.1°</b>	<b>37.4°</b>	<b>35.4°</b>	<b>35.0°</b>	<b>35.1°</b>	<b>36.2°</b>
Beat VMG	<b>3.19</b>	<b>3.81</b>	<b>4.24</b>	<b>4.46</b>	<b>4.51</b>	<b>4.53</b>	<b>4.48</b>
52°	<b>4.80</b>	<b>5.51</b>	<b>5.84</b>	<b>6.07</b>	<b>6.18</b>	<b>6.23</b>	<b>6.23</b>
60°	<b>5.03</b>	<b>5.65</b>	<b>5.97</b>	<b>6.25</b>	<b>6.42</b>	<b>6.50</b>	<b>6.53</b>
75°	<b>5.19</b>	<b>5.74</b>	<b>6.10</b>	<b>6.45</b>	<b>6.76</b>	<b>6.94</b>	<b>7.07</b>
90°	<b>5.13</b>	<b>5.81</b>	<b>6.26</b>	<b>6.59</b>	<b>6.87</b>	<b>7.24</b>	<b>7.75</b>
110°	<b>5.11</b>	<b>5.83</b>	<b>6.35</b>	<b>6.87</b>	<b>7.40</b>	<b>7.83</b>	<b>8.68</b>
120°	<b>4.94</b>	<b>5.73</b>	<b>6.22</b>	<b>6.75</b>	<b>7.34</b>	<b>8.11</b>	<b>9.67</b>
135°	<b>4.44</b>	<b>5.34</b>	<b>5.93</b>	<b>6.39</b>	<b>6.89</b>	<b>7.47</b>	<b>9.67</b>
150°	<b>3.72</b>	<b>4.68</b>	<b>5.48</b>	<b>5.97</b>	<b>6.41</b>	<b>6.86</b>	<b>8.17</b>
Run VMG	<b>3.22</b>	<b>4.05</b>	<b>4.78</b>	<b>5.44</b>	<b>5.89</b>	<b>6.30</b>	<b>7.17</b>
Gybe Angles	<b>147.3°</b>	<b>151.5°</b>	<b>155.4°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>