



**ORC**  
Offshore Racing Congress  
World leader in rating technology

**2020**  
**ORC Club**  
**Certificate**

**Rating Office**

**Offshore**  
**Racing**  
**Congress**



**Certificate**

Number **005/20**  
Issued On **29/09/2020**  
ORC Ref **02920000R05**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**

**Crew Weight**

Default 577kg  
Maximum **630kg**  
Minimum\* **473kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>653.4</b>	<b>0.9183</b>
Non Spin OSN	<b>633.8</b>	<b>0.9467</b>

**Sails Limitations**

Headsails **5** Spinnakers **4**

**Spinnaker configuration**  
Symmetric: **Yes 106.99**  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

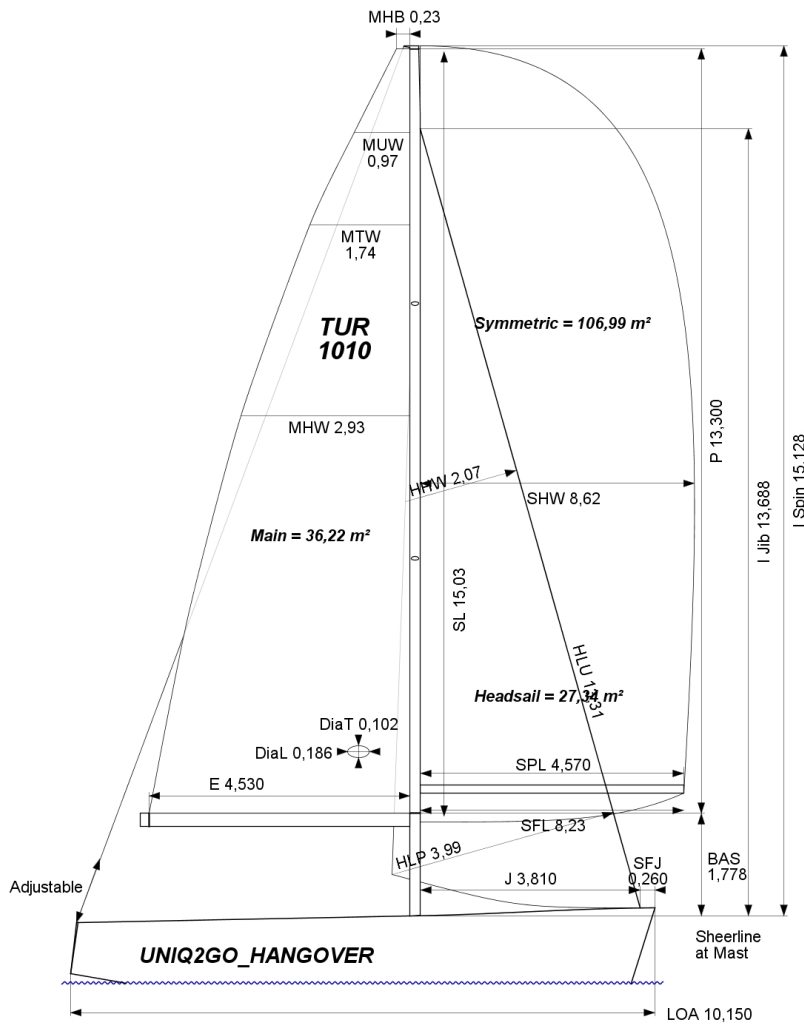
**Class Division Length**

**CDL = 8.975**

**Stability (Measured)**

Limit Positive Stab.: **138.2°**  
Stability Index: **138.1**

**Owner**



BOAT		GPH	HULL			
Name <b>UNIQ2GO_HANGOVER</b> Sail Nr <b>TUR-1010</b>		<b>612.1</b>	Data File <b>TUR1010</b>	LOA <b>10.150m</b>		
			Offset File <b>MAT1010v+.OFF</b>	MB <b>3.314m</b>		
			Displacement <b>4,471kg</b>	Draft <b>2.098m</b>		
<b>CLASS</b>			IMS Division <b>Performance</b>	Dynamic All. <b>0.000%</b>		
Class <b>MAT 10.10</b>			Plan Review	Construction <b>Cored</b>		
Designer <b>MILLS</b>			Fiber Rigging <b>No</b>	Aramid Core <b>No</b>		
Builder <b>MAT TURKEY</b>			Crew Arm Ex	Carbon Rudder <b>No</b>		
Series <b>01/2011</b>				Light Stanchions <b>No</b>		
Age Date <b>01/2012</b>			IMSL <b>9.242m</b>	VCGD <b>-0.233m</b>	Sink <b>15.64kg/mm</b>	
Age Allowance <b>0.292%</b>			RL <b>8.724m</b>	VCGM <b>-0.237m</b>	WS <b>22.53m²</b>	
<b>COMMENTS</b>			LSM0 <b>8.841m</b>	Displacement/Length ratio <b>6.4699</b>		
			Water Ballast <b>0</b>	Trim Tab <b>No</b>		
			BLR Index <b>0.0000</b>			
<b>PROPELLER</b>			<b>CENTERBOARD</b>			
Installation <b>Strut</b>	PRD <b>0.397</b>	<b>N/A</b>				
Type <b>Folding 2 blades</b>	PBW <b>0.127</b>					
	PIPA <b>0.0032</b>					
<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>595.0</b>			<b>661.9</b>		
Time on Time	<b>1.0083</b>			<b>1.0198</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>692.7</b>	<b>544.4</b>	<b>489.0</b>	<b>889.7</b>	<b>662.4</b>	<b>583.6</b>
Time on Time	<b>0.9745</b>	<b>1.2399</b>	<b>1.3805</b>	<b>0.7587</b>	<b>1.0190</b>	<b>1.1567</b>

# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>			
Name	<b>UNIQ2GO_HANGOVER</b>	Certificate Number	<b>005/20</b>
Sail Nr	<b>TUR-1010</b>	Issued On	<b>29/09/2020</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1035.8</b>	<b>855.6</b>	<b>756.0</b>	<b>714.9</b>	<b>700.2</b>	<b>695.0</b>	<b>684.3</b>
52°	<b>679.2</b>	<b>572.7</b>	<b>524.2</b>	<b>506.0</b>	<b>499.3</b>	<b>496.3</b>	<b>491.3</b>
60°	<b>642.3</b>	<b>549.5</b>	<b>511.6</b>	<b>494.6</b>	<b>485.8</b>	<b>481.8</b>	<b>478.0</b>
75°	<b>615.3</b>	<b>533.8</b>	<b>502.6</b>	<b>483.6</b>	<b>469.0</b>	<b>458.5</b>	<b>450.5</b>
90°	<b>619.7</b>	<b>526.1</b>	<b>501.0</b>	<b>481.4</b>	<b>463.2</b>	<b>445.8</b>	<b>421.1</b>
110°	<b>603.7</b>	<b>513.9</b>	<b>481.1</b>	<b>460.8</b>	<b>446.1</b>	<b>433.2</b>	<b>408.5</b>
120°	<b>616.8</b>	<b>519.4</b>	<b>483.2</b>	<b>454.7</b>	<b>430.0</b>	<b>414.9</b>	<b>387.8</b>
135°	<b>679.8</b>	<b>552.4</b>	<b>500.1</b>	<b>470.9</b>	<b>442.0</b>	<b>414.0</b>	<b>354.2</b>
150°	<b>801.8</b>	<b>642.0</b>	<b>545.9</b>	<b>499.7</b>	<b>472.7</b>	<b>446.0</b>	<b>393.4</b>
Run VMG	<b>925.9</b>	<b>741.4</b>	<b>629.1</b>	<b>562.9</b>	<b>516.2</b>	<b>486.1</b>	<b>436.1</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>980.9</b>	<b>798.5</b>	<b>692.5</b>	<b>638.9</b>	<b>608.2</b>	<b>590.6</b>	<b>560.2</b>
Circular Random	<b>834.9</b>	<b>677.4</b>	<b>594.2</b>	<b>546.7</b>	<b>517.5</b>	<b>497.7</b>	<b>469.4</b>
Coastal / Long Distance	<b>975.4</b>	<b>750.6</b>	<b>629.2</b>	<b>564.4</b>	<b>528.7</b>	<b>500.7</b>	<b>452.1</b>
Non Spinnaker	<b>911.8</b>	<b>730.8</b>	<b>633.0</b>	<b>575.9</b>	<b>540.7</b>	<b>517.7</b>	<b>487.9</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>42.8°</b>	<b>41.3°</b>	<b>40.1°</b>	<b>39.0°</b>	<b>38.3°</b>	<b>38.3°</b>	<b>38.1°</b>
Beat VMG	<b>3.48</b>	<b>4.21</b>	<b>4.76</b>	<b>5.04</b>	<b>5.14</b>	<b>5.18</b>	<b>5.26</b>
52°	<b>5.30</b>	<b>6.29</b>	<b>6.87</b>	<b>7.11</b>	<b>7.21</b>	<b>7.25</b>	<b>7.33</b>
60°	<b>5.60</b>	<b>6.55</b>	<b>7.04</b>	<b>7.28</b>	<b>7.41</b>	<b>7.47</b>	<b>7.53</b>
75°	<b>5.85</b>	<b>6.74</b>	<b>7.16</b>	<b>7.44</b>	<b>7.68</b>	<b>7.85</b>	<b>7.99</b>
90°	<b>5.81</b>	<b>6.84</b>	<b>7.19</b>	<b>7.48</b>	<b>7.77</b>	<b>8.07</b>	<b>8.55</b>
110°	<b>5.96</b>	<b>7.01</b>	<b>7.48</b>	<b>7.81</b>	<b>8.07</b>	<b>8.31</b>	<b>8.81</b>
120°	<b>5.84</b>	<b>6.93</b>	<b>7.45</b>	<b>7.92</b>	<b>8.37</b>	<b>8.68</b>	<b>9.28</b>
135°	<b>5.30</b>	<b>6.52</b>	<b>7.20</b>	<b>7.64</b>	<b>8.14</b>	<b>8.70</b>	<b>10.16</b>
150°	<b>4.49</b>	<b>5.61</b>	<b>6.59</b>	<b>7.20</b>	<b>7.62</b>	<b>8.07</b>	<b>9.15</b>
Run VMG	<b>3.89</b>	<b>4.86</b>	<b>5.72</b>	<b>6.40</b>	<b>6.97</b>	<b>7.41</b>	<b>8.25</b>
Gybe Angles	<b>142.3°</b>	<b>147.8°</b>	<b>151.5°</b>	<b>159.0°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>