



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

**2020  
ORC Club  
Certificate**

**Rating Office**

**Offshore  
Racing  
Congress**



**Certificate**

Number **019/20**  
Issued On **09/10/2020**  
ORC Ref **02920000RPT**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**

**Crew Weight**

Default 556kg  
Maximum **590kg**  
Minimum\* **443kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>623.4</b>	<b>0.9625</b>
Non Spin OSN	<b>607.0</b>	<b>0.9885</b>

**Sails Limitations**

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

**Spinnaker configuration**  
Symmetric: **Yes** 88.92  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

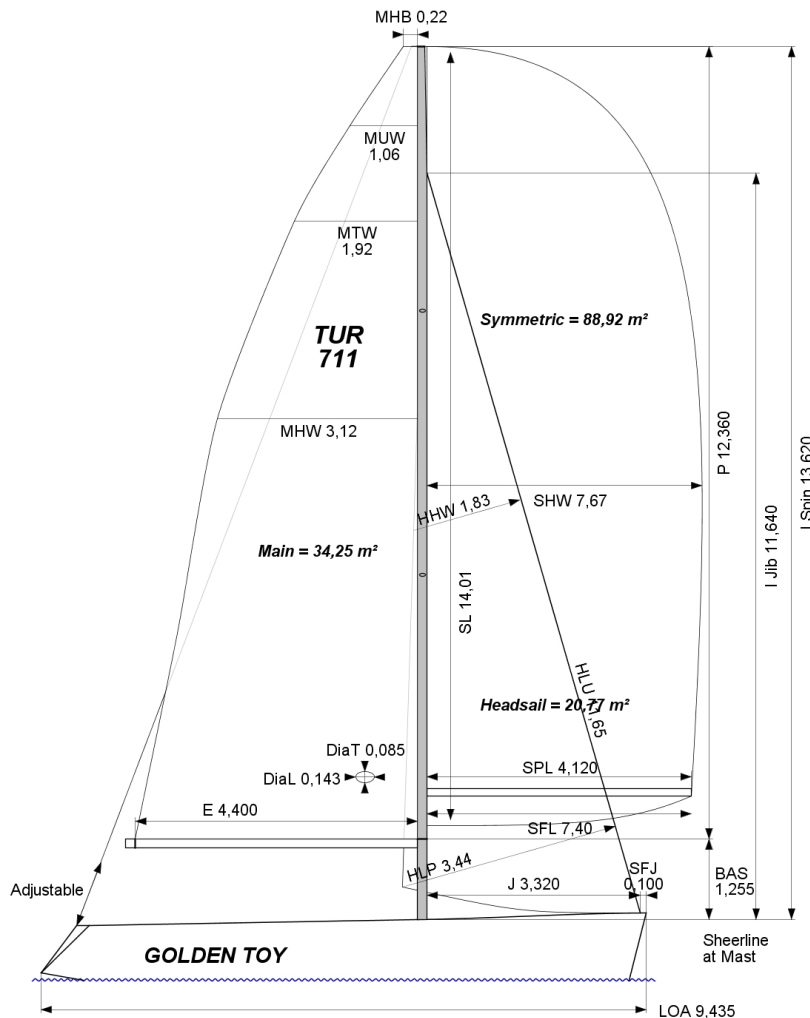
**Class Division Length**

**CDL = 9.028**

**Stability (Estimated)**

Limit Positive Stab.: **129.2°**  
Stability Index: **123.0**

**Owner**



BOAT		GPH	HULL			
Name <b>Golden Toy</b>	Sail Nr <b>TUR-711</b>	<b>584.2</b>	Data File <b>TUR711</b>	LOA <b>9.435m</b>		
			Offset File <b>farr30.OD.off</b>	MB <b>3.038m</b>		
			Displacement <b>2,188kg</b>	Draft <b>2.130m</b>		
<b>CLASS</b>			IMS Division <b>Performance</b>	Dynamic All. <b>0.000%</b>		
Class <b>Farr 30</b>	Designer <b>Farr</b>		Plan Review	Construction <b>Cored</b>		
Builder	Series <b>03/1995</b>		Fiber Rigging <b>No</b>	Aramid Core <b>No</b>		
Age Date <b>03/2001</b>	Age Allowance <b>0.487%</b>		Crew Arm Ex	Carbon Rudder <b>Yes</b>		
				Light Stanchions <b>No</b>		
<b>COMMENTS</b>			IMSL <b>8.839m</b>	VCGD <b>-0.364m</b>		
			RL <b>9.233m</b>	VCGM <b>-0.306m</b>		
			LSM0 <b>8.605m</b>	Displacement/Length ratio <b>3.4340</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>0.352</b>		<b>N/A</b>			
Type <b>Folding 2 blades</b>	PBW <b>0.090</b>					
	PIPA <b>0.0032</b>					
<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>568.9</b>			<b>636.4</b>		
Time on Time	<b>1.0546</b>			<b>1.0607</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>650.7</b>	<b>525.3</b>	<b>463.0</b>	<b>829.3</b>	<b>640.6</b>	<b>560.3</b>
Time on Time	<b>1.0374</b>	<b>1.2850</b>	<b>1.4578</b>	<b>0.8139</b>	<b>1.0537</b>	<b>1.2048</b>

# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>			
Name	<b>Golden Toy</b>	Certificate Number	<b>019/20</b>
Sail Nr	<b>TUR-711</b>	Issued On	<b>09/10/2020</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>945.5</b>	<b>781.3</b>	<b>716.5</b>	<b>694.9</b>	<b>685.9</b>	<b>673.8</b>	<b>670.9</b>
52°	<b>623.3</b>	<b>540.6</b>	<b>515.5</b>	<b>505.1</b>	<b>499.3</b>	<b>495.1</b>	<b>484.8</b>
60°	<b>589.6</b>	<b>527.3</b>	<b>502.4</b>	<b>488.3</b>	<b>480.0</b>	<b>475.3</b>	<b>461.3</b>
75°	<b>567.0</b>	<b>517.2</b>	<b>487.9</b>	<b>463.2</b>	<b>448.4</b>	<b>439.9</b>	<b>429.1</b>
90°	<b>573.7</b>	<b>516.3</b>	<b>485.9</b>	<b>454.4</b>	<b>428.0</b>	<b>408.8</b>	<b>390.9</b>
110°	<b>570.9</b>	<b>504.9</b>	<b>468.7</b>	<b>445.7</b>	<b>422.7</b>	<b>401.4</b>	<b>356.9</b>
120°	<b>583.9</b>	<b>508.5</b>	<b>464.6</b>	<b>428.0</b>	<b>404.4</b>	<b>383.4</b>	<b>343.7</b>
135°	<b>645.9</b>	<b>533.5</b>	<b>488.4</b>	<b>443.8</b>	<b>399.9</b>	<b>358.5</b>	<b>307.1</b>
150°	<b>763.8</b>	<b>613.6</b>	<b>531.5</b>	<b>489.3</b>	<b>449.1</b>	<b>406.8</b>	<b>324.1</b>
Run VMG	<b>882.0</b>	<b>708.5</b>	<b>610.4</b>	<b>552.9</b>	<b>509.4</b>	<b>472.3</b>	<b>374.2</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>913.7</b>	<b>744.9</b>	<b>663.4</b>	<b>623.9</b>	<b>597.6</b>	<b>573.0</b>	<b>522.6</b>
Circular Random	<b>787.4</b>	<b>644.2</b>	<b>568.6</b>	<b>524.1</b>	<b>494.6</b>	<b>472.2</b>	<b>436.3</b>
Coastal / Long Distance	<b>910.5</b>	<b>704.2</b>	<b>604.9</b>	<b>547.7</b>	<b>510.8</b>	<b>476.1</b>	<b>416.4</b>
Non Spinnaker	<b>858.7</b>	<b>693.9</b>	<b>605.3</b>	<b>553.0</b>	<b>519.1</b>	<b>495.1</b>	<b>461.0</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>42.0°</b>	<b>40.1°</b>	<b>37.3°</b>	<b>36.4°</b>	<b>36.0°</b>	<b>35.3°</b>	<b>35.8°</b>
Beat VMG	<b>3.81</b>	<b>4.61</b>	<b>5.02</b>	<b>5.18</b>	<b>5.25</b>	<b>5.34</b>	<b>5.37</b>
52°	<b>5.78</b>	<b>6.66</b>	<b>6.98</b>	<b>7.13</b>	<b>7.21</b>	<b>7.27</b>	<b>7.43</b>
60°	<b>6.11</b>	<b>6.83</b>	<b>7.17</b>	<b>7.37</b>	<b>7.50</b>	<b>7.57</b>	<b>7.80</b>
75°	<b>6.35</b>	<b>6.96</b>	<b>7.38</b>	<b>7.77</b>	<b>8.03</b>	<b>8.18</b>	<b>8.39</b>
90°	<b>6.28</b>	<b>6.97</b>	<b>7.41</b>	<b>7.92</b>	<b>8.41</b>	<b>8.81</b>	<b>9.21</b>
110°	<b>6.31</b>	<b>7.13</b>	<b>7.68</b>	<b>8.08</b>	<b>8.52</b>	<b>8.97</b>	<b>10.09</b>
120°	<b>6.17</b>	<b>7.08</b>	<b>7.75</b>	<b>8.41</b>	<b>8.90</b>	<b>9.39</b>	<b>10.47</b>
135°	<b>5.57</b>	<b>6.75</b>	<b>7.37</b>	<b>8.11</b>	<b>9.00</b>	<b>10.04</b>	<b>11.72</b>
150°	<b>4.71</b>	<b>5.87</b>	<b>6.77</b>	<b>7.36</b>	<b>8.02</b>	<b>8.85</b>	<b>11.11</b>
Run VMG	<b>4.08</b>	<b>5.08</b>	<b>5.90</b>	<b>6.51</b>	<b>7.07</b>	<b>7.62</b>	<b>9.62</b>
Gybe Angles	<b>143.9°</b>	<b>146.0°</b>	<b>154.0°</b>	<b>162.0°</b>	<b>180.0°</b>	<b>153.0°</b>	<b>144.8°</b>