



**2020**  
ORC Club  
Certificate

**Rating Office**

**Offshore  
Racing  
Congress**



**Certificate**

Number **096012**  
 Issued On **22/09/2020**  
 ORC Ref **03570000QRH**  
 VPP Ver. **2020 1.02**  
 Valid until **31/12/2020**

**Crew Weight**

Default 789kg  
 Maximum **789kg**  
 Minimum\* **592kg**  
\*when applied by the NoR and SI  
 Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>623.5</b>	<b>0.9623</b>
Non Spin OSN	<b>607.1</b>	<b>0.9883</b>

**Sails Limitations**

Headsails **6** Spinnakers **4**

**Spinnaker configuration**  
 Symmetric: **Yes 156.19**  
 Asymmetric: **No**  
 Flying H/S: **No**  
 Spin. Pole: **Yes**

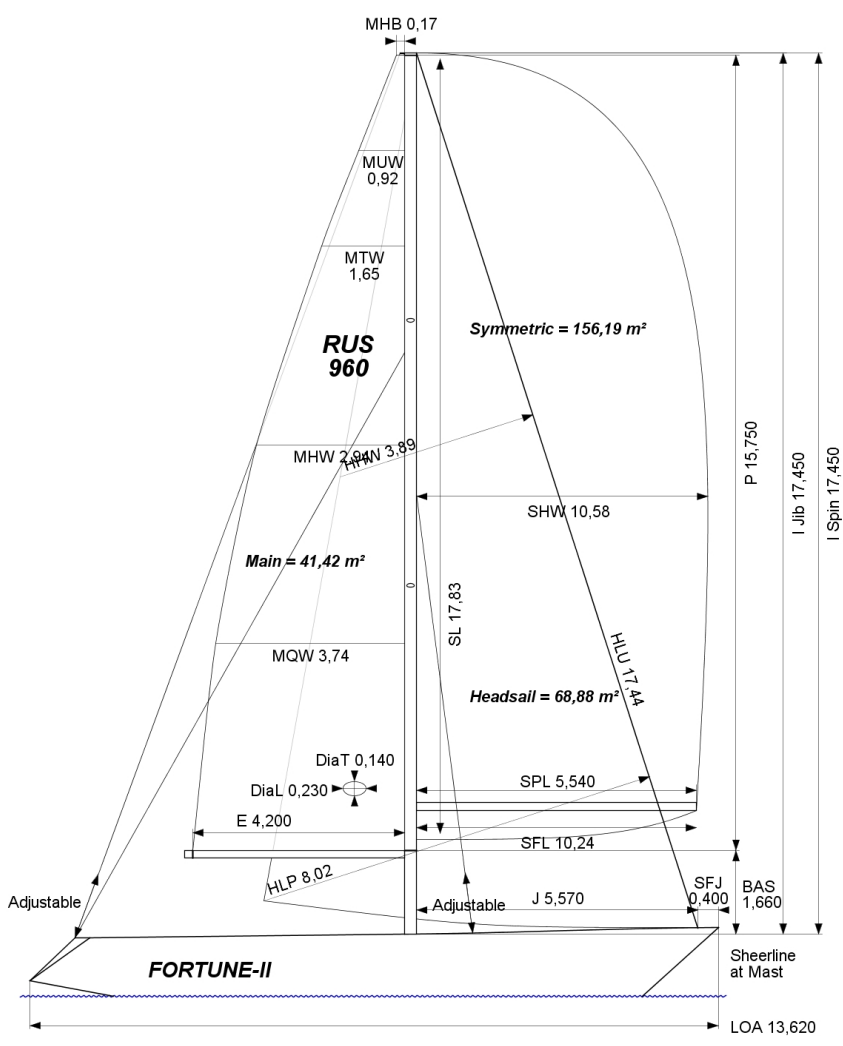
**Class Division Length**

**CDL = 10.131**

**Stability (Measured)**

Limit Positive Stab.: **118.4°**  
 Stability Index: **123.3**

**Owner**



BOAT		GPH	HULL			
Name <b>Fortune-II</b>	Sail Nr <b>RUS 960</b>	<b>593.1</b>	Data File <b>RU0960_Fortune</b>	LOA <b>13.620m</b>		
CLASS			Offset File <b>Mir908.off</b>	MB <b>4.030m</b>		
Class <b>Cetus</b>	Designer <b>E. Hoffmann</b>		Displacement <b>9,525kg</b>	Draft <b>2.213m</b>		
Builder <b>Teliga yard Poland</b>	Series <b>01/1978</b>		IMS Division <b>Cruiser/Racer</b>	Dynamic All. <b>0.072%</b>		
Age Date <b>01/1982</b>	Age Allowance <b>0.487%</b>		Plan Review	Construction <b>Solid</b>		
COMMENTS			Fiber Rigging <b>No</b>	Aramid Core <b>No</b>		
			Crew Arm Ex	Carbon Rudder <b>No</b>		
				Light Stanchions <b>No</b>		
PROPELLER			IMSL <b>10.796m</b>	VCGD <b>-0.02m</b>		
Installation <b>Shaft exposed</b>	PRD		RL <b>9.464m</b>	VCGM <b>-0.02m</b>		
Type <b>Folding 3 blades</b>	PIPA <b>0.0000</b>		LSM0 <b>11.000m</b>	Displacement/Length ratio <b>7.1563</b>		
			Water Ballast <b>0</b>	Trim Tab <b>No</b>		
			BLR Index <b>0.0000</b>			
CENTERBOARD			N/A			
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	<b>577.2</b>			<b>643.6</b>		
Time on Time	<b>1.0395</b>			<b>1.0489</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>678.7</b>	<b>525.5</b>	<b>471.9</b>	<b>875.5</b>	<b>647.2</b>	<b>562.5</b>
Time on Time	<b>0.9946</b>	<b>1.2846</b>	<b>1.4303</b>	<b>0.7710</b>	<b>1.0430</b>	<b>1.2001</b>

# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name	<b>Fortune-II</b>
Sail Nr	<b>RUS 960</b>
Certificate Number	<b>096012</b>
Issued On	<b>22/09/2020</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>979.5</b>	<b>819.5</b>	<b>727.2</b>	<b>686.4</b>	<b>667.6</b>	<b>657.7</b>	<b>653.3</b>
52°	<b>645.7</b>	<b>544.4</b>	<b>494.9</b>	<b>477.1</b>	<b>470.0</b>	<b>466.3</b>	<b>464.2</b>
60°	<b>611.8</b>	<b>520.1</b>	<b>481.5</b>	<b>465.6</b>	<b>458.2</b>	<b>454.0</b>	<b>450.6</b>
75°	<b>586.1</b>	<b>504.5</b>	<b>472.1</b>	<b>455.7</b>	<b>444.3</b>	<b>436.5</b>	<b>428.9</b>
90°	<b>591.9</b>	<b>506.0</b>	<b>470.6</b>	<b>452.5</b>	<b>438.6</b>	<b>426.6</b>	<b>408.8</b>
110°	<b>618.0</b>	<b>507.8</b>	<b>463.7</b>	<b>442.2</b>	<b>427.0</b>	<b>417.2</b>	<b>401.0</b>
120°	<b>630.0</b>	<b>516.3</b>	<b>466.9</b>	<b>442.5</b>	<b>422.2</b>	<b>404.9</b>	<b>385.6</b>
135°	<b>691.5</b>	<b>560.4</b>	<b>487.2</b>	<b>455.9</b>	<b>434.1</b>	<b>413.2</b>	<b>377.5</b>
150°	<b>819.9</b>	<b>655.0</b>	<b>550.1</b>	<b>487.8</b>	<b>457.7</b>	<b>437.3</b>	<b>399.4</b>
Run VMG	<b>946.8</b>	<b>756.4</b>	<b>635.2</b>	<b>557.3</b>	<b>509.8</b>	<b>472.8</b>	<b>431.0</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>963.1</b>	<b>788.0</b>	<b>681.2</b>	<b>621.8</b>	<b>588.7</b>	<b>565.2</b>	<b>542.2</b>
Circular Random	<b>814.5</b>	<b>658.6</b>	<b>575.4</b>	<b>527.7</b>	<b>498.8</b>	<b>480.4</b>	<b>458.6</b>
Coastal / Long Distance	<b>961.5</b>	<b>740.2</b>	<b>614.3</b>	<b>544.1</b>	<b>508.2</b>	<b>480.2</b>	<b>439.2</b>
Non Spinnaker	<b>867.4</b>	<b>696.9</b>	<b>604.4</b>	<b>550.2</b>	<b>516.7</b>	<b>494.9</b>	<b>468.6</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>41.6°</b>	<b>41.6°</b>	<b>40.1°</b>	<b>39.6°</b>	<b>39.0°</b>	<b>38.6°</b>
Beat VMG	<b>3.68</b>	<b>4.39</b>	<b>4.95</b>	<b>5.24</b>	<b>5.39</b>	<b>5.47</b>	<b>5.51</b>
52°	<b>5.58</b>	<b>6.61</b>	<b>7.27</b>	<b>7.55</b>	<b>7.66</b>	<b>7.72</b>	<b>7.76</b>
60°	<b>5.88</b>	<b>6.92</b>	<b>7.48</b>	<b>7.73</b>	<b>7.86</b>	<b>7.93</b>	<b>7.99</b>
75°	<b>6.14</b>	<b>7.14</b>	<b>7.63</b>	<b>7.90</b>	<b>8.10</b>	<b>8.25</b>	<b>8.39</b>
90°	<b>6.08</b>	<b>7.11</b>	<b>7.65</b>	<b>7.96</b>	<b>8.21</b>	<b>8.44</b>	<b>8.81</b>
110°	<b>5.82</b>	<b>7.09</b>	<b>7.76</b>	<b>8.14</b>	<b>8.43</b>	<b>8.63</b>	<b>8.98</b>
120°	<b>5.71</b>	<b>6.97</b>	<b>7.71</b>	<b>8.13</b>	<b>8.53</b>	<b>8.89</b>	<b>9.34</b>
135°	<b>5.21</b>	<b>6.42</b>	<b>7.39</b>	<b>7.90</b>	<b>8.29</b>	<b>8.71</b>	<b>9.54</b>
150°	<b>4.39</b>	<b>5.50</b>	<b>6.54</b>	<b>7.38</b>	<b>7.86</b>	<b>8.23</b>	<b>9.01</b>
Run VMG	<b>3.80</b>	<b>4.76</b>	<b>5.67</b>	<b>6.46</b>	<b>7.06</b>	<b>7.61</b>	<b>8.35</b>
Gybe Angles	<b>145.0°</b>	<b>149.0°</b>	<b>148.0°</b>	<b>154.8°</b>	<b>166.0°</b>	<b>180.0°</b>	<b>180.0°</b>