



**ORC**

Offshore Racing Congress  
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**2020  
ORC Club  
Certificate**

**Rating Office**

**Offshore  
Racing  
Congress**



**Certificate**

Number **LT2031**  
Issued On **20/07/2020**  
ORC Ref **03590000MR5**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**

**Crew Weight**

Default 382kg  
Maximum **453kg**  
Minimum\* **340kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

ToD ToT  
Non Spin GPH **678.4 0.8844**  
Non Spin OSN **659.9 0.9093**

**Sails Limitations**

Headsails **5** Spinnakers **4**  
**Asymmetric on centerline**  
**Spinnaker configuration**  
Symmetric: **Yes 43.66**  
Asymmetric: **Yes 45.97**  
Flying H/S: **No**  
Spin. Pole: **Yes**

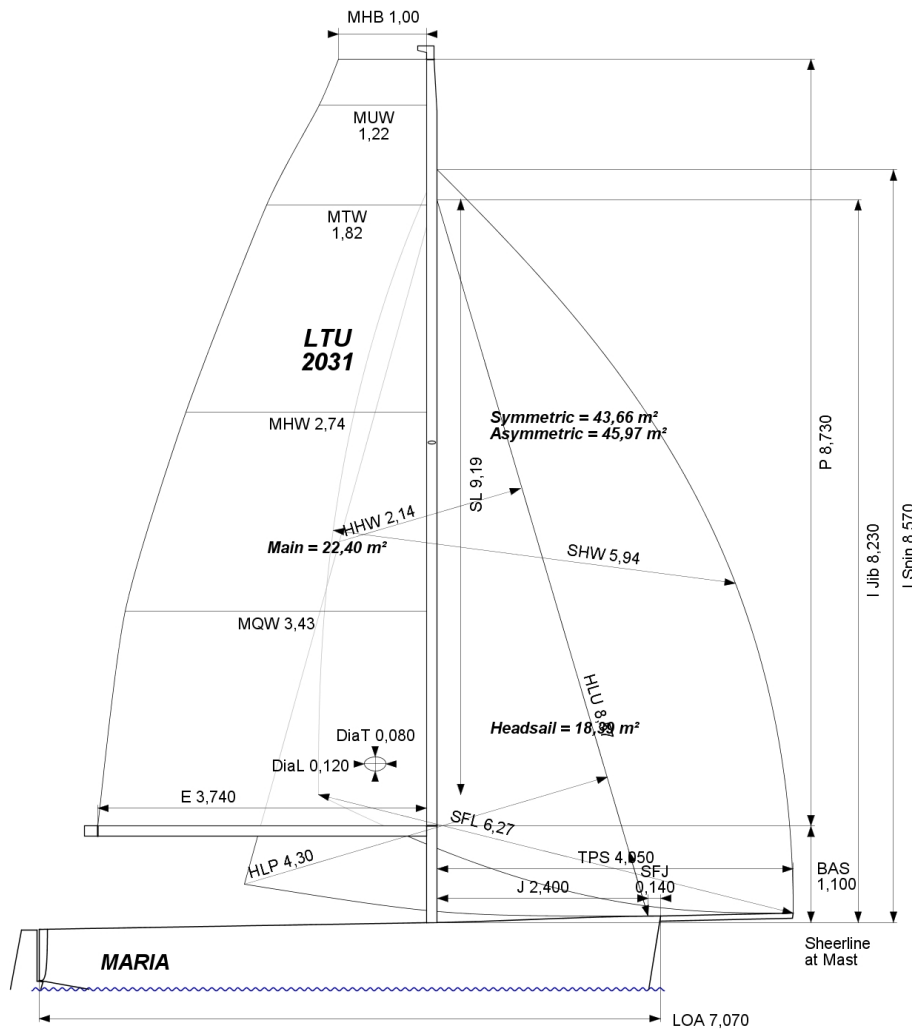
**Class Division Length**

**CDL = 7.144**

**Stability (Estimated)**

Limit Positive Stab.: **115.0°**  
Stability Index: **106.9**

**Owner**



<b>BOAT</b> Name <b>MARIA</b> Sail Nr <b>LTU 2031</b>		<b>GPH</b> <b>650.6</b>	<b>HULL</b> Data File <b>Maria LTU2031</b> LOA <b>7.070m</b> Offset File <b>H230.BOF</b> MB <b>2.470m</b> Displacement <b>1,051kg</b> Draft <b>1.485m</b>			
<b>CLASS</b> Class <b>Hunter 707</b> Designer <b>David Thomas</b> Builder <b>British Hunter, UK</b> Series <b>01/1995</b> Age Date <b>01/1995</b> Age Allowance <b>0.487%</b>		IMS Division <b>Sportboat</b> Dynamic All. <b>0.000%</b> Plan Review Construction <b>Solid</b> Fiber Rigging <b>No</b> Aramid Core <b>No</b> Crew Arm Ex Carbon Rudder <b>No</b> Light Stanchions		IMSL <b>6.853m</b> VCGD <b>-0.176m</b> Sink <b>8.28kg/mm</b> RL <b>7.434m</b> VCGM <b>-0.169m</b> WS <b>10.61m²</b> LSM0 <b>6.614m</b> Displacement/Length ratio <b>3.6325</b>		
<b>COMMENTS</b> 4,05 TPS - 3.48 2,95 694,8		Water Ballast <b>0</b> Trim Tab <b>No</b> BLR Index <b>0.0000</b>		<b>CENTERBOARD</b>  <b>NA</b>		
<b>PROPELLER</b> Type <b>No Propeller</b>		<b>SCORING OPTIONS</b>				
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>633.4</b>			<b>715.4</b>		
Time on Time	<b>0.9473</b>			<b>0.9435</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>732.7</b>	<b>583.4</b>	<b>506.8</b>	<b>933.9</b>	<b>718.8</b>	<b>630.8</b>
Time on Time	<b>0.9213</b>	<b>1.1570</b>	<b>1.3320</b>	<b>0.7228</b>	<b>0.9390</b>	<b>1.0701</b>

# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name <b>MARIA</b>	Certificate Number <b>LT2031</b>
Sail Nr <b>LTU 2031</b>	Issued On <b>20/07/2020</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1041.2</b>	<b>869.3</b>	<b>796.9</b>	<b>774.5</b>	<b>765.8</b>	<b>765.4</b>	<b>769.6</b>
52°	<b>687.9</b>	<b>605.5</b>	<b>573.7</b>	<b>560.2</b>	<b>552.6</b>	<b>548.0</b>	<b>540.2</b>
60°	<b>655.5</b>	<b>591.4</b>	<b>557.1</b>	<b>537.5</b>	<b>527.2</b>	<b>521.0</b>	<b>511.4</b>
75°	<b>635.5</b>	<b>579.6</b>	<b>539.3</b>	<b>505.1</b>	<b>487.8</b>	<b>477.5</b>	<b>466.2</b>
90°	<b>634.5</b>	<b>569.9</b>	<b>520.5</b>	<b>479.7</b>	<b>458.2</b>	<b>437.0</b>	<b>418.2</b>
110°	<b>651.1</b>	<b>571.4</b>	<b>516.1</b>	<b>463.9</b>	<b>427.7</b>	<b>388.2</b>	<b>340.7</b>
120°	<b>671.4</b>	<b>581.7</b>	<b>527.8</b>	<b>474.1</b>	<b>421.3</b>	<b>378.4</b>	<b>302.9</b>
135°	<b>747.8</b>	<b>616.7</b>	<b>561.4</b>	<b>511.7</b>	<b>461.4</b>	<b>413.5</b>	<b>290.5</b>
150°	<b>879.3</b>	<b>701.1</b>	<b>610.3</b>	<b>559.4</b>	<b>514.2</b>	<b>469.7</b>	<b>353.4</b>
Run VMG	<b>1015.3</b>	<b>809.5</b>	<b>699.2</b>	<b>620.0</b>	<b>571.3</b>	<b>529.7</b>	<b>408.0</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1028.2</b>	<b>839.4</b>	<b>748.0</b>	<b>697.2</b>	<b>668.6</b>	<b>647.5</b>	<b>588.8</b>
Circular Random	<b>883.3</b>	<b>720.5</b>	<b>633.2</b>	<b>580.6</b>	<b>545.0</b>	<b>517.5</b>	<b>472.0</b>
Coastal / Long Distance	<b>1026.9</b>	<b>793.8</b>	<b>679.7</b>	<b>608.9</b>	<b>563.3</b>	<b>521.9</b>	<b>440.3</b>
Non Spinnaker	<b>927.4</b>	<b>753.0</b>	<b>659.4</b>	<b>603.9</b>	<b>567.6</b>	<b>541.3</b>	<b>501.9</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>42.0°</b>	<b>40.1°</b>	<b>37.5°</b>	<b>36.4°</b>	<b>36.0°</b>	<b>36.4°</b>	<b>37.3°</b>
Beat VMG	<b>3.46</b>	<b>4.14</b>	<b>4.52</b>	<b>4.65</b>	<b>4.70</b>	<b>4.70</b>	<b>4.68</b>
52°	<b>5.23</b>	<b>5.95</b>	<b>6.28</b>	<b>6.43</b>	<b>6.51</b>	<b>6.57</b>	<b>6.66</b>
60°	<b>5.49</b>	<b>6.09</b>	<b>6.46</b>	<b>6.70</b>	<b>6.83</b>	<b>6.91</b>	<b>7.04</b>
75°	<b>5.66</b>	<b>6.21</b>	<b>6.68</b>	<b>7.13</b>	<b>7.38</b>	<b>7.54</b>	<b>7.72</b>
90°	<b>5.67</b>	<b>6.32</b>	<b>6.92</b>	<b>7.50</b>	<b>7.86</b>	<b>8.24</b>	<b>8.61</b>
110°	<b>5.53</b>	<b>6.30</b>	<b>6.98</b>	<b>7.76</b>	<b>8.42</b>	<b>9.27</b>	<b>10.57</b>
120°	<b>5.36</b>	<b>6.19</b>	<b>6.82</b>	<b>7.59</b>	<b>8.54</b>	<b>9.51</b>	<b>11.88</b>
135°	<b>4.81</b>	<b>5.84</b>	<b>6.41</b>	<b>7.04</b>	<b>7.80</b>	<b>8.71</b>	<b>12.39</b>
150°	<b>4.09</b>	<b>5.13</b>	<b>5.90</b>	<b>6.44</b>	<b>7.00</b>	<b>7.66</b>	<b>10.19</b>
Run VMG	<b>3.55</b>	<b>4.45</b>	<b>5.15</b>	<b>5.81</b>	<b>6.30</b>	<b>6.80</b>	<b>8.82</b>
Gybe Angles	<b>145.0°</b>	<b>148.0°</b>	<b>156.5°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>135.9°</b>