



**ORC**

Offshore Racing Congress  
World leader in rating technology

**2020  
ORC Club  
Certificate**

**Rating Office**

**Offshore  
Racing  
Congress**



**Certificate**

Number **038/20**  
Issued On **11/08/2020**  
ORC Ref **02920000OBB**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**

**Crew Weight**

Default 390kg  
Maximum **420kg**  
Minimum\* **315kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>706.4</b>	<b>0.8494</b>
Non Spin OSN	<b>686.5</b>	<b>0.8740</b>

**Sails Limitations**

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

**Spinnaker configuration**

Symmetric: **Yes 44.67**  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

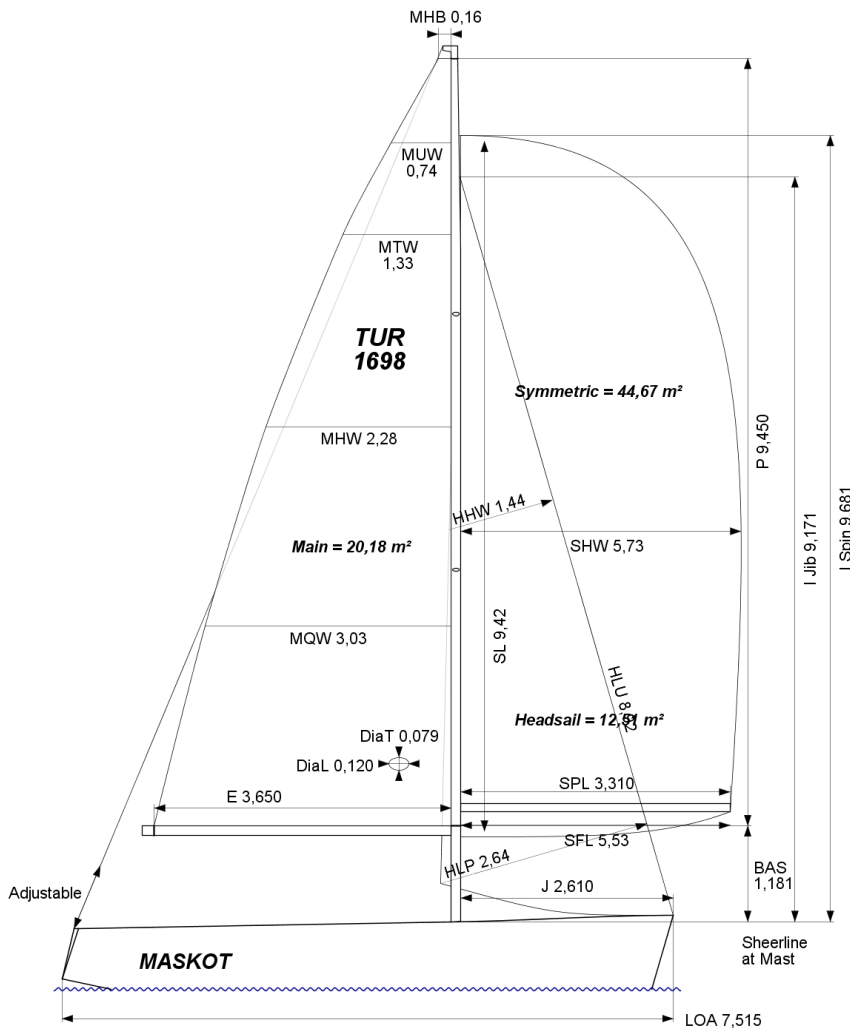
**Class Division Length**

CDL = **7.028**

**Stability (Estimated)**

Limit Positive Stab.: **118.3°**  
Stability Index: **110.4**

**Owner**



BOAT	GPH	HULL
Name <b>MASKOT</b> Sail Nr <b>TUR-1698</b>	<b>668.5</b>	Data File <b>TUR1698</b> LOA <b>7.515m</b> Offset File <b>platu25.OD.OFF</b> MB <b>2.574m</b> Displacement <b>1,269kg</b> Draft <b>1.595m</b>
<b>CLASS</b> Class <b>PLATU 25 OD</b> Designer <b>FARR</b> Builder <b>BENETEAU</b> Series <b>01/1997</b> Age Date <b>01/1997</b> Age Allowance <b>0.487%</b>		IMS Division <b>Sportboat</b> Dynamic All. <b>0.000%</b> Plan Review Construction <b>Cored</b> Fiber Rigging <b>No</b> Aramid Core <b>No</b> Crew Arm Ex <b>0.00</b> Carbon Rudder <b>Yes</b> Light Stanchions <b>No</b>
<b>COMMENTS</b> OUTBOARD ENGINE HONDA 6		IMSL <b>7.028m</b> VCGD <b>0.050m</b> Sink <b>7.72kg/mm</b> RL <b>7.045m</b> VCGM <b>-0.051m</b> WS <b>10.55m²</b> LSM0 <b>6.708m</b> Displacement/Length ratio <b>4.2042</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>NA</b>
<b>SCORING OPTIONS</b>		
	<b>COASTAL / LONG DISTANCE</b>	<b>WINDWARD / LEEWARD</b>
Time on Distance	<b>651.4</b>	<b>728.2</b>
Time on Time	<b>0.9211</b>	<b>0.9269</b>
Triple Number	Low Medium High	Low Medium High
Time on Distance	<b>745.5 599.7 534.8</b>	<b>954.2 728.9 652.0</b>
Time on Time	<b>0.9054 1.1256 1.2621</b>	<b>0.7074 0.9261 1.0352</b>

# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name	<b>MASKOT</b>
Sail Nr	<b>TUR-1698</b>
Certificate Number	<b>038/20</b>
Issued On	<b>11/08/2020</b>

<b>TIME ALLOWANCES</b>								
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	
Beat VMG	<b>1088.4</b>	<b>905.5</b>	<b>818.2</b>	<b>795.5</b>	<b>790.0</b>	<b>785.6</b>	<b>786.7</b>	
52°	<b>717.0</b>	<b>617.9</b>	<b>585.8</b>	<b>573.1</b>	<b>568.0</b>	<b>566.1</b>	<b>558.8</b>	
60°	<b>679.9</b>	<b>600.2</b>	<b>572.7</b>	<b>555.9</b>	<b>547.9</b>	<b>544.0</b>	<b>533.1</b>	
75°	<b>655.9</b>	<b>589.1</b>	<b>559.6</b>	<b>533.3</b>	<b>514.0</b>	<b>504.3</b>	<b>497.2</b>	
90°	<b>651.2</b>	<b>579.8</b>	<b>552.2</b>	<b>525.8</b>	<b>496.9</b>	<b>473.5</b>	<b>450.1</b>	
110°	<b>647.7</b>	<b>571.1</b>	<b>527.9</b>	<b>491.4</b>	<b>469.4</b>	<b>449.2</b>	<b>415.3</b>	
120°	<b>665.6</b>	<b>579.6</b>	<b>533.8</b>	<b>488.6</b>	<b>449.4</b>	<b>424.0</b>	<b>383.8</b>	
135°	<b>735.9</b>	<b>610.6</b>	<b>563.1</b>	<b>520.6</b>	<b>477.1</b>	<b>432.8</b>	<b>339.9</b>	
150°	<b>878.2</b>	<b>700.4</b>	<b>604.5</b>	<b>560.3</b>	<b>521.0</b>	<b>481.7</b>	<b>395.8</b>	
Run VMG	<b>1014.1</b>	<b>808.7</b>	<b>691.3</b>	<b>618.7</b>	<b>571.3</b>	<b>535.0</b>	<b>462.6</b>	
<b>Selected Courses</b>								
Windward / Leeward	<b>1051.2</b>	<b>857.1</b>	<b>754.8</b>	<b>707.1</b>	<b>680.7</b>	<b>660.3</b>	<b>624.7</b>	
Circular Random	<b>901.5</b>	<b>736.8</b>	<b>650.3</b>	<b>600.1</b>	<b>568.0</b>	<b>544.7</b>	<b>509.1</b>	
Coastal / Long Distance	<b>1047.5</b>	<b>808.7</b>	<b>689.0</b>	<b>624.8</b>	<b>583.7</b>	<b>547.5</b>	<b>483.8</b>	
Non Spinnaker	<b>969.5</b>	<b>784.3</b>	<b>685.7</b>	<b>628.5</b>	<b>592.7</b>	<b>567.8</b>	<b>531.6</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>42.0°</b>	<b>40.9°</b>	<b>38.1°</b>	<b>37.5°</b>	<b>37.5°</b>	<b>37.3°</b>	<b>38.3°</b>	
Beat VMG	<b>3.31</b>	<b>3.98</b>	<b>4.40</b>	<b>4.53</b>	<b>4.56</b>	<b>4.58</b>	<b>4.58</b>	
52°	<b>5.02</b>	<b>5.83</b>	<b>6.14</b>	<b>6.28</b>	<b>6.34</b>	<b>6.36</b>	<b>6.44</b>	
60°	<b>5.29</b>	<b>6.00</b>	<b>6.29</b>	<b>6.48</b>	<b>6.57</b>	<b>6.62</b>	<b>6.75</b>	
75°	<b>5.49</b>	<b>6.11</b>	<b>6.43</b>	<b>6.75</b>	<b>7.00</b>	<b>7.14</b>	<b>7.24</b>	
90°	<b>5.53</b>	<b>6.21</b>	<b>6.52</b>	<b>6.85</b>	<b>7.24</b>	<b>7.60</b>	<b>8.00</b>	
110°	<b>5.56</b>	<b>6.30</b>	<b>6.82</b>	<b>7.33</b>	<b>7.67</b>	<b>8.01</b>	<b>8.67</b>	
120°	<b>5.41</b>	<b>6.21</b>	<b>6.74</b>	<b>7.37</b>	<b>8.01</b>	<b>8.49</b>	<b>9.38</b>	
135°	<b>4.89</b>	<b>5.90</b>	<b>6.39</b>	<b>6.92</b>	<b>7.54</b>	<b>8.32</b>	<b>10.59</b>	
150°	<b>4.10</b>	<b>5.14</b>	<b>5.96</b>	<b>6.43</b>	<b>6.91</b>	<b>7.47</b>	<b>9.10</b>	
Run VMG	<b>3.55</b>	<b>4.45</b>	<b>5.21</b>	<b>5.82</b>	<b>6.30</b>	<b>6.73</b>	<b>7.78</b>	
Gybe Angles	<b>145.0°</b>	<b>149.0°</b>	<b>155.5°</b>	<b>174.0°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>	