



**ORC**

Offshore Racing Congress  
World leader in rating technology

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

**Rating Office**

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



**Certificate**

Number **044/20**  
Issued On **14/08/2020**  
ORC Ref **02920000OHB**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**

**Crew Weight**

Default 388kg  
Maximum **360kg**  
Minimum\* **270kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>709.1</b>	<b>0.8461</b>
Non Spin OSN	<b>690.5</b>	<b>0.8690</b>

**Sails Limitations**

Headsails **5** Spinnakers **4**  
**Woven Polyester**

**Spinnaker configuration**

Symmetric: **Yes** 43.79  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

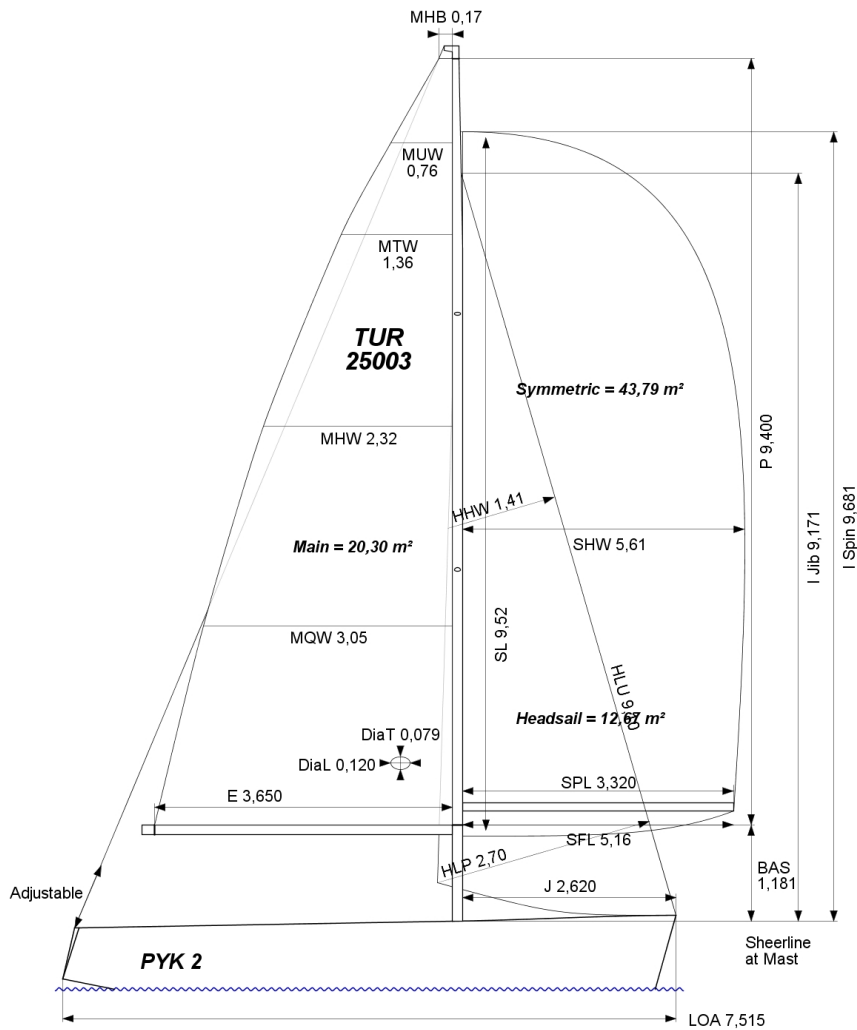
**Class Division Length**

**CDL = 6.870**

**Stability (Estimated)**

Limit Positive Stab.: **118.8°**  
Stability Index: **111.0**

**Owner**



BOAT	GPH	HULL
Name <b>PYK 2</b> Sail Nr <b>TUR-25003</b>	<b>672.7</b>	Data File <b>TUR25002</b> LOA <b>7.515m</b> Offset File <b>platu25.OD.OFF</b> MB <b>2.574m</b> Displacement <b>1,247kg</b> Draft <b>1.593m</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>01/2008</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>No</b> Light Stanchions <b>No</b>
<b>COMMENTS</b> OUTBOARD ENGINE MERCURY 6		IMSL <b>7.013m</b> VCGD <b>0.040m</b> Sink <b>7.65kg/mm</b> RL <b>6.744m</b> VCGM <b>-0.058m</b> WS <b>10.49m²</b> LSM0 <b>6.689m</b> Displacement/Length ratio <b>4.1666</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>N/A</b>
<b>SCORING OPTIONS</b>		
	<b>COASTAL / LONG DISTANCE</b>	<b>WINDWARD / LEEWARD</b>
Time on Distance	<b>656.7</b>	<b>735.2</b>
Time on Time	<b>0.9137</b>	<b>0.9181</b>
Triple Number	Low Medium High	Low Medium High
Time on Distance	<b>746.4 604.4 542.6</b>	<b>955.4 736.3 662.5</b>
Time on Time	<b>0.9043 1.1169 1.2440</b>	<b>0.7065 0.9168 1.0189</b>

# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name <b>PYK 2</b>	Certificate Number <b>044/20</b>
Sail Nr <b>TUR-25003</b>	Issued On <b>14/08/2020</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1091.8</b>	<b>911.4</b>	<b>831.3</b>	<b>813.1</b>	<b>810.6</b>	<b>804.6</b>	<b>812.6</b>
52°	<b>717.7</b>	<b>621.1</b>	<b>589.4</b>	<b>578.9</b>	<b>575.0</b>	<b>573.3</b>	<b>568.0</b>
60°	<b>679.7</b>	<b>602.9</b>	<b>575.2</b>	<b>561.1</b>	<b>555.0</b>	<b>552.4</b>	<b>542.9</b>
75°	<b>654.5</b>	<b>589.3</b>	<b>560.7</b>	<b>536.4</b>	<b>519.8</b>	<b>511.8</b>	<b>504.4</b>
90°	<b>652.8</b>	<b>581.9</b>	<b>556.4</b>	<b>526.5</b>	<b>498.5</b>	<b>477.7</b>	<b>458.9</b>
110°	<b>647.3</b>	<b>571.8</b>	<b>529.6</b>	<b>497.1</b>	<b>475.7</b>	<b>456.1</b>	<b>422.7</b>
120°	<b>665.1</b>	<b>579.0</b>	<b>533.7</b>	<b>489.4</b>	<b>453.2</b>	<b>431.3</b>	<b>391.8</b>
135°	<b>735.1</b>	<b>609.9</b>	<b>562.5</b>	<b>519.5</b>	<b>475.8</b>	<b>431.4</b>	<b>345.3</b>
150°	<b>876.2</b>	<b>698.6</b>	<b>603.5</b>	<b>559.6</b>	<b>519.9</b>	<b>480.3</b>	<b>396.5</b>
Run VMG	<b>1011.7</b>	<b>806.6</b>	<b>689.8</b>	<b>617.9</b>	<b>570.7</b>	<b>534.0</b>	<b>461.2</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1051.7</b>	<b>859.0</b>	<b>760.5</b>	<b>715.5</b>	<b>690.7</b>	<b>669.3</b>	<b>636.9</b>
Circular Random	<b>903.8</b>	<b>739.9</b>	<b>654.4</b>	<b>605.4</b>	<b>574.3</b>	<b>552.2</b>	<b>519.1</b>
Coastal / Long Distance	<b>1047.7</b>	<b>810.3</b>	<b>693.6</b>	<b>630.8</b>	<b>590.7</b>	<b>554.8</b>	<b>492.5</b>
Non Spinnaker	<b>969.8</b>	<b>785.9</b>	<b>688.4</b>	<b>632.3</b>	<b>597.4</b>	<b>573.5</b>	<b>539.6</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>38.6°</b>	<b>38.3°</b>	<b>38.6°</b>	<b>38.4°</b>	<b>39.8°</b>
Beat VMG	<b>3.30</b>	<b>3.95</b>	<b>4.33</b>	<b>4.43</b>	<b>4.44</b>	<b>4.47</b>	<b>4.43</b>
52°	<b>5.02</b>	<b>5.80</b>	<b>6.11</b>	<b>6.22</b>	<b>6.26</b>	<b>6.28</b>	<b>6.34</b>
60°	<b>5.30</b>	<b>5.97</b>	<b>6.26</b>	<b>6.42</b>	<b>6.49</b>	<b>6.52</b>	<b>6.63</b>
75°	<b>5.50</b>	<b>6.11</b>	<b>6.42</b>	<b>6.71</b>	<b>6.93</b>	<b>7.03</b>	<b>7.14</b>
90°	<b>5.51</b>	<b>6.19</b>	<b>6.47</b>	<b>6.84</b>	<b>7.22</b>	<b>7.54</b>	<b>7.84</b>
110°	<b>5.56</b>	<b>6.30</b>	<b>6.80</b>	<b>7.24</b>	<b>7.57</b>	<b>7.89</b>	<b>8.52</b>
120°	<b>5.41</b>	<b>6.22</b>	<b>6.75</b>	<b>7.36</b>	<b>7.94</b>	<b>8.35</b>	<b>9.19</b>
135°	<b>4.90</b>	<b>5.90</b>	<b>6.40</b>	<b>6.93</b>	<b>7.57</b>	<b>8.34</b>	<b>10.43</b>
150°	<b>4.11</b>	<b>5.15</b>	<b>5.96</b>	<b>6.43</b>	<b>6.92</b>	<b>7.49</b>	<b>9.08</b>
Run VMG	<b>3.56</b>	<b>4.46</b>	<b>5.22</b>	<b>5.83</b>	<b>6.31</b>	<b>6.74</b>	<b>7.81</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>