



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

**2020  
ORC Club  
Certificate**

**Rating Office**

**Offshore  
Racing  
Congress**



**Certificate**

Number **080/20**  
Issued On **30/09/2020**  
ORC Ref **02920000R79**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**

**Crew Weight**

Default 789kg  
Maximum **800kg**  
Minimum\* **600kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>616.0</b>	<b>0.9740</b>
Non Spin OSN	<b>599.1</b>	<b>1.0015</b>

**Sails Limitations**

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

**Asymmetric on centerline**

**Spinnaker configuration**  
Symmetric: **No**  
Asymmetric: **Yes 154.17**  
Flying H/S: **No**  
Spin. Pole: **No**

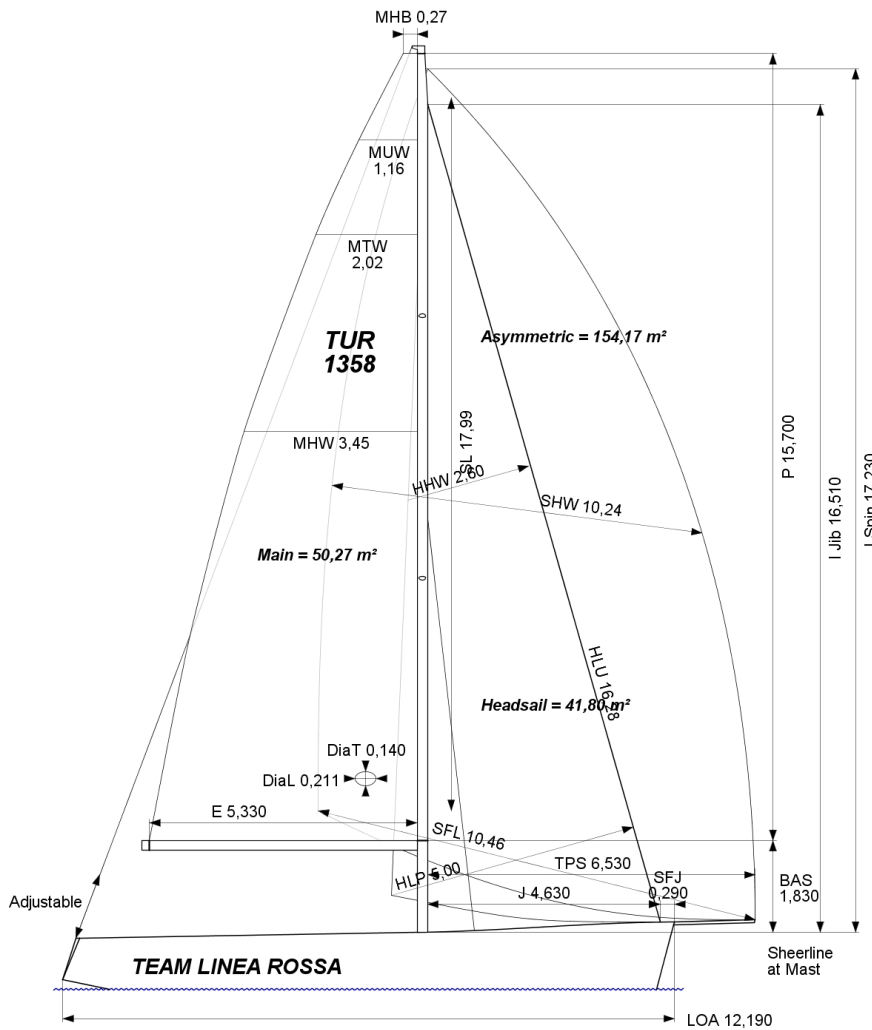
**Class Division Length**

**CDL = 10.555**

**Stability (Estimated)**

Limit Positive Stab.: **122.6°**  
Stability Index: **127.2**

**Owner**



BOAT		GPH	HULL			
Name <b>TEAM LINEA ROSSA</b> Sail Nr <b>TUR-1358</b>		<b>576.6</b>	Data File <b>TUR1358</b>	LOA <b>12.190m</b>		
			Offset File <b>J122 VER.off</b>	MB <b>3.638m</b>		
			Displacement <b>7,400kg</b>	Draft <b>2.239m</b>		
<b>CLASS</b>			IMS Division <b>Cruiser/Racer</b>	Dynamic All. <b>0.100%</b>		
Class <b>J-122</b>			Plan Review	Construction <b>Cored</b>		
Designer <b>JOHNSTONE</b>			Fiber Rigging <b>No</b>	Aramid Core <b>No</b>		
Builder <b>JBOATS EUROPE</b>			Crew Arm Ex	Carbon Rudder <b>No</b>		
Series <b>01/2006</b>				Light Stanchions <b>No</b>		
Age Date <b>10/2008</b>			IMSL <b>11.128m</b>	VCGD <b>-0.084m</b>	Sink <b>23.09kg/mm</b>	
Age Allowance <b>0.455%</b>			RL <b>9.981m</b>	VCGM <b>-0.120m</b>	WS <b>30.95m²</b>	
<b>COMMENTS</b>			LSM0 <b>10.999m</b>	Displacement/Length ratio <b>5.5612</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>0.400</b>					
Type <b>Folding 2 blades</b>	PIPA <b>0.0032</b>	<b>N/A</b>				
<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>561.1</b>			<b>629.8</b>		
Time on Time	<b>1.0694</b>			<b>1.0717</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>655.2</b>	<b>511.7</b>	<b>461.2</b>	<b>846.4</b>	<b>630.7</b>	<b>557.8</b>
Time on Time	<b>1.0302</b>	<b>1.3192</b>	<b>1.4636</b>	<b>0.7975</b>	<b>1.0702</b>	<b>1.2102</b>

# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name	<b>TEAM LINEA ROSSA</b>
Certificate Number	<b>080/20</b>
Sail Nr	<b>TUR-1358</b>
Issued On	<b>30/09/2020</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>978.5</b>	<b>805.5</b>	<b>709.3</b>	<b>668.4</b>	<b>651.8</b>	<b>644.4</b>	<b>628.6</b>
52°	<b>639.0</b>	<b>536.2</b>	<b>487.6</b>	<b>469.7</b>	<b>463.0</b>	<b>459.6</b>	<b>453.9</b>
60°	<b>602.8</b>	<b>512.7</b>	<b>474.6</b>	<b>458.5</b>	<b>450.9</b>	<b>446.8</b>	<b>442.6</b>
75°	<b>575.0</b>	<b>496.8</b>	<b>465.4</b>	<b>448.1</b>	<b>435.6</b>	<b>426.7</b>	<b>419.0</b>
90°	<b>580.7</b>	<b>489.5</b>	<b>461.7</b>	<b>446.1</b>	<b>430.0</b>	<b>415.0</b>	<b>393.3</b>
110°	<b>571.7</b>	<b>480.7</b>	<b>447.6</b>	<b>426.7</b>	<b>413.2</b>	<b>401.8</b>	<b>379.6</b>
120°	<b>584.6</b>	<b>487.3</b>	<b>451.0</b>	<b>425.8</b>	<b>401.7</b>	<b>384.9</b>	<b>360.3</b>
135°	<b>651.0</b>	<b>525.7</b>	<b>468.9</b>	<b>441.7</b>	<b>416.6</b>	<b>391.2</b>	<b>340.3</b>
150°	<b>770.4</b>	<b>616.8</b>	<b>522.6</b>	<b>473.1</b>	<b>452.3</b>	<b>433.2</b>	<b>391.0</b>
Run VMG	<b>889.6</b>	<b>712.2</b>	<b>603.4</b>	<b>545.8</b>	<b>519.2</b>	<b>483.0</b>	<b>438.0</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>934.0</b>	<b>758.9</b>	<b>656.3</b>	<b>607.1</b>	<b>585.5</b>	<b>563.7</b>	<b>533.3</b>
Circular Random	<b>788.8</b>	<b>638.7</b>	<b>559.5</b>	<b>514.5</b>	<b>487.3</b>	<b>469.0</b>	<b>443.1</b>
Coastal / Long Distance	<b>929.6</b>	<b>712.4</b>	<b>593.6</b>	<b>530.6</b>	<b>498.6</b>	<b>470.7</b>	<b>425.1</b>
Non Spinnaker	<b>862.0</b>	<b>690.2</b>	<b>596.8</b>	<b>541.8</b>	<b>507.6</b>	<b>484.8</b>	<b>454.8</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>41.3°</b>	<b>40.5°</b>	<b>39.0°</b>	<b>38.3°</b>	<b>38.3°</b>	<b>37.9°</b>
Beat VMG	<b>3.68</b>	<b>4.47</b>	<b>5.08</b>	<b>5.39</b>	<b>5.52</b>	<b>5.59</b>	<b>5.73</b>
52°	<b>5.63</b>	<b>6.71</b>	<b>7.38</b>	<b>7.66</b>	<b>7.77</b>	<b>7.83</b>	<b>7.93</b>
60°	<b>5.97</b>	<b>7.02</b>	<b>7.58</b>	<b>7.85</b>	<b>7.98</b>	<b>8.06</b>	<b>8.13</b>
75°	<b>6.26</b>	<b>7.25</b>	<b>7.74</b>	<b>8.03</b>	<b>8.27</b>	<b>8.44</b>	<b>8.59</b>
90°	<b>6.20</b>	<b>7.36</b>	<b>7.80</b>	<b>8.07</b>	<b>8.37</b>	<b>8.67</b>	<b>9.15</b>
110°	<b>6.30</b>	<b>7.49</b>	<b>8.04</b>	<b>8.44</b>	<b>8.71</b>	<b>8.96</b>	<b>9.48</b>
120°	<b>6.16</b>	<b>7.39</b>	<b>7.98</b>	<b>8.46</b>	<b>8.96</b>	<b>9.35</b>	<b>9.99</b>
135°	<b>5.53</b>	<b>6.85</b>	<b>7.68</b>	<b>8.15</b>	<b>8.64</b>	<b>9.20</b>	<b>10.58</b>
150°	<b>4.67</b>	<b>5.84</b>	<b>6.89</b>	<b>7.61</b>	<b>7.96</b>	<b>8.31</b>	<b>9.21</b>
Run VMG	<b>4.05</b>	<b>5.05</b>	<b>5.97</b>	<b>6.60</b>	<b>6.93</b>	<b>7.45</b>	<b>8.22</b>
Gybe Angles	<b>144.0°</b>	<b>147.0°</b>	<b>148.5°</b>	<b>151.0°</b>	<b>152.5°</b>	<b>176.0°</b>	<b>178.0°</b>