



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

**2020  
ORC Club  
Certificate**

**Rating Office**

**Offshore  
Racing  
Congress**



**Certificate**

Number **039/20**  
Issued On **11/08/2020**  
ORC Ref **02920000OBC**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**

**Crew Weight**

Default 294kg  
Maximum **300kg**  
Minimum\* **215kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>763.0</b>	<b>0.7864</b>
Non Spin OSN	<b>735.6</b>	<b>0.8157</b>

**Sails Limitations**

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

**Asymmetric on centerline**

**Spinnaker configuration**  
Symmetric: **No**  
Asymmetric: **Yes 45.82**  
Flying H/S: **No**  
Spin. Pole: **No**

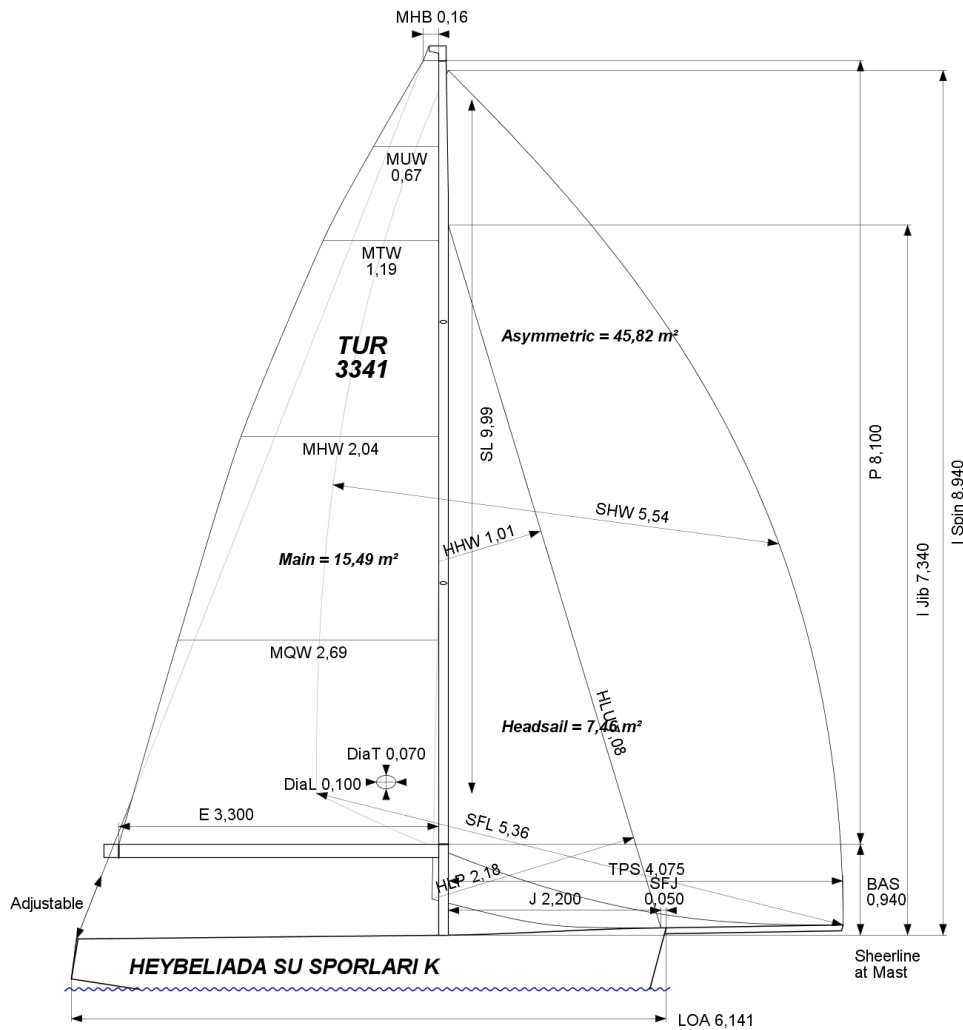
**Class Division Length**

**CDL = 6.037**

**Stability (Estimated)**

Limit Positive Stab.: **112.2°**  
Stability Index: **103.1**

**Owner**



BOAT		GPH	HULL			
Name <b>Heybeliada Su Sporlari K</b> Sail Nr <b>TUR-3341</b>		<b>706.4</b>	Data File <b>TUR3341</b>	LOA <b>6.141m</b>		
CLASS			Offset File <b>lasb3.OD+.OFF</b>	MB <b>2.142m</b>		
Class <b>SB20 ONE DESIGN</b>			Displacement <b>721kg</b>	Draft <b>1.512m</b>		
Designer <b>TONY CASTRO</b>			IMS Division <b>Sportboat</b>	Dynamic All. <b>0.000%</b>		
Builder <b>LASER</b>			Plan Review	Construction <b>Solid</b>		
Series <b>08/2003</b>			Fiber Rigging <b>No</b>	Aramid Core <b>No</b>		
Age Date <b>01/2006</b>			Crew Arm Ex <b>0.50</b>	Carbon Rudder <b>No</b>		
Age Allowance <b>0.487%</b>				Light Stanchions <b>No</b>		
COMMENTS			IMSL <b>5.799m</b>	VCGD <b>-0.180m</b>		
OUTBOARD ENGINE TOHATSU 2,5			RL <b>6.274m</b>	VCGM <b>-0.178m</b>		
PROPELLER			WS <b>8.15m²</b>	LSM0 <b>5.514m</b>		
Type <b>No Propeller</b>			Displacement/Length ratio <b>4.3007</b>	Water Ballast <b>0</b>		
			Trim Tab <b>No</b>	BLR Index <b>0.0000</b>		
			CENTERBOARD			
				<b>NA</b>		
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	<b>686.4</b>			<b>775.9</b>		
Time on Time	<b>0.8741</b>			<b>0.8699</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>793.4</b>	<b>635.1</b>	<b>546.1</b>	<b>1013.7</b>	<b>784.2</b>	<b>670.9</b>
Time on Time	<b>0.8508</b>	<b>1.0629</b>	<b>1.2361</b>	<b>0.6659</b>	<b>0.8608</b>	<b>1.0061</b>

# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name	<b>Heybeliada Su Sporları K</b>
Certificate Number	<b>039/20</b>
Sail Nr	<b>TUR-3341</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>1211.6</b>	<b>1008.2</b>	<b>904.4</b>	<b>843.0</b>	<b>829.8</b>	<b>828.9</b>	<b>832.1</b>
52°	<b>799.2</b>	<b>680.5</b>	<b>637.7</b>	<b>611.0</b>	<b>596.8</b>	<b>591.3</b>	<b>584.7</b>
60°	<b>758.9</b>	<b>660.1</b>	<b>622.3</b>	<b>592.2</b>	<b>569.5</b>	<b>561.1</b>	<b>554.8</b>
75°	<b>724.3</b>	<b>641.7</b>	<b>608.8</b>	<b>572.0</b>	<b>537.2</b>	<b>514.2</b>	<b>500.1</b>
90°	<b>674.8</b>	<b>608.0</b>	<b>576.2</b>	<b>555.2</b>	<b>529.4</b>	<b>491.7</b>	<b>442.6</b>
110°	<b>667.4</b>	<b>595.1</b>	<b>537.6</b>	<b>500.9</b>	<b>477.3</b>	<b>454.0</b>	<b>400.8</b>
120°	<b>682.4</b>	<b>605.1</b>	<b>544.6</b>	<b>486.2</b>	<b>446.0</b>	<b>420.0</b>	<b>363.4</b>
135°	<b>750.3</b>	<b>637.8</b>	<b>579.0</b>	<b>524.5</b>	<b>468.4</b>	<b>411.0</b>	<b>303.2</b>
150°	<b>880.2</b>	<b>708.7</b>	<b>634.7</b>	<b>590.5</b>	<b>541.7</b>	<b>487.7</b>	<b>332.4</b>
Run VMG	<b>1016.3</b>	<b>818.4</b>	<b>732.5</b>	<b>676.9</b>	<b>625.5</b>	<b>563.2</b>	<b>383.9</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1114.0</b>	<b>913.3</b>	<b>818.4</b>	<b>760.0</b>	<b>727.6</b>	<b>696.1</b>	<b>608.0</b>
Circular Random	<b>957.8</b>	<b>782.2</b>	<b>687.9</b>	<b>630.5</b>	<b>590.4</b>	<b>557.9</b>	<b>501.2</b>
Coastal / Long Distance	<b>1104.2</b>	<b>859.7</b>	<b>741.3</b>	<b>660.3</b>	<b>610.8</b>	<b>565.2</b>	<b>472.9</b>
Non Spinnaker	<b>1059.1</b>	<b>852.3</b>	<b>740.2</b>	<b>673.6</b>	<b>630.7</b>	<b>600.6</b>	<b>557.2</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>42.4°</b>	<b>41.6°</b>	<b>39.8°</b>	<b>36.9°</b>	<b>36.4°</b>	<b>36.8°</b>	<b>37.9°</b>
Beat VMG	<b>2.97</b>	<b>3.57</b>	<b>3.98</b>	<b>4.27</b>	<b>4.34</b>	<b>4.34</b>	<b>4.33</b>
52°	<b>4.50</b>	<b>5.29</b>	<b>5.65</b>	<b>5.89</b>	<b>6.03</b>	<b>6.09</b>	<b>6.16</b>
60°	<b>4.74</b>	<b>5.45</b>	<b>5.78</b>	<b>6.08</b>	<b>6.32</b>	<b>6.42</b>	<b>6.49</b>
75°	<b>4.97</b>	<b>5.61</b>	<b>5.91</b>	<b>6.29</b>	<b>6.70</b>	<b>7.00</b>	<b>7.20</b>
90°	<b>5.34</b>	<b>5.92</b>	<b>6.25</b>	<b>6.48</b>	<b>6.80</b>	<b>7.32</b>	<b>8.13</b>
110°	<b>5.39</b>	<b>6.05</b>	<b>6.70</b>	<b>7.19</b>	<b>7.54</b>	<b>7.93</b>	<b>8.98</b>
120°	<b>5.28</b>	<b>5.95</b>	<b>6.61</b>	<b>7.40</b>	<b>8.07</b>	<b>8.57</b>	<b>9.91</b>
135°	<b>4.80</b>	<b>5.64</b>	<b>6.22</b>	<b>6.86</b>	<b>7.69</b>	<b>8.76</b>	<b>11.87</b>
150°	<b>4.09</b>	<b>5.08</b>	<b>5.67</b>	<b>6.10</b>	<b>6.65</b>	<b>7.38</b>	<b>10.83</b>
Run VMG	<b>3.54</b>	<b>4.40</b>	<b>4.91</b>	<b>5.32</b>	<b>5.76</b>	<b>6.39</b>	<b>9.38</b>
Gybe Angles	<b>145.5°</b>	<b>149.0°</b>	<b>150.5°</b>	<b>176.0°</b>	<b>144.8°</b>	<b>142.5°</b>	<b>141.1°</b>