



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

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

**Rating Office**

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



**Certificate**

Number **009/20**  
Issued On **25/05/2020**  
ORC Ref **02920000IP1**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**

**Crew Weight**

Default 809kg  
Maximum **850kg**  
Minimum\* **638kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>617.5</b>	<b>0.9717</b>
Non Spin OSN	<b>598.9</b>	<b>1.0019</b>

**Sails Limitations**

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

**Spinnaker configuration**  
Symmetric: **Yes** 141.51  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

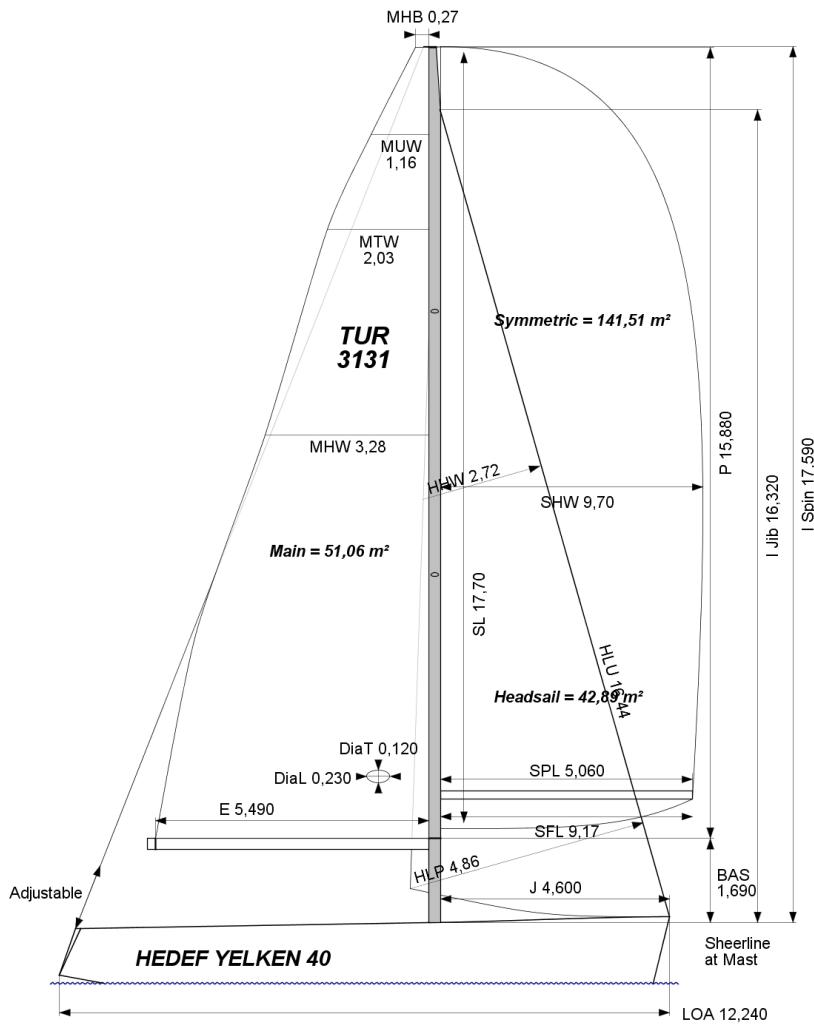
**Class Division Length**

**CDL = 10.742**

**Stability (Estimated)**

Limit Positive Stab.: **123.5°**  
Stability Index: **127.4**

**Owner**



BOAT		GPH	HULL			
Name <b>HEDEF YELKEN 40</b> Sail Nr <b>TUR-3131</b>		<b>580.0</b>	Data File <b>TUR3131</b>	LOA <b>12.240m</b>		
			Offset File <b>F247.OFF</b>	MB <b>3.902m</b>		
			Displacement <b>8,350kg</b>	Draft <b>2.502m</b>		
<b>CLASS</b>			IMS Division <b>Cruiser/Racer</b>	Dynamic All. <b>0.167%</b>		
Class <b>First 40</b>			Plan Review	Construction <b>Solid</b>		
Designer <b>Farr</b>			Fiber Rigging <b>No</b>	Aramid Core <b>No</b>		
Builder <b>Benetau</b>			Crew Arm Ex	Carbon Rudder <b>No</b>		
Series <b>02/2008, CIN FR-SPBAE214D515</b>				Light Stanchions <b>No</b>		
Age Date <b>02/2013</b>			IMSL <b>11.330m</b>	VCGD <b>-0.050m</b>	Sink <b>24.62kg/mm</b>	
Age Allowance <b>0.390%</b>			RL <b>10.159m</b>	VCGM <b>-0.100m</b>	WS <b>32.79m²</b>	
<b>COMMENTS</b>			LSM0 <b>11.201m</b>	Displacement/Length ratio <b>5.9418</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>0.438</b>	<b>N/A</b>				
Type <b>Feathering 2 blades</b>	PBW <b>0.135</b>					
	PIPA <b>0.0037</b>					
<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>562.8</b>			<b>625.6</b>		
Time on Time	<b>1.0660</b>			<b>1.0789</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>664.8</b>	<b>513.8</b>	<b>458.1</b>	<b>855.7</b>	<b>629.1</b>	<b>543.9</b>
Time on Time	<b>1.0153</b>	<b>1.3138</b>	<b>1.4736</b>	<b>0.7888</b>	<b>1.0730</b>	<b>1.2411</b>

# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>			
Name	<b>HEDEF YELKEN 40</b>	Certificate Number	<b>009/20</b>
Sail Nr	<b>TUR-3131</b>	Issued On	<b>25/05/2020</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>979.0</b>	<b>809.7</b>	<b>711.9</b>	<b>662.5</b>	<b>643.5</b>	<b>634.6</b>	<b>619.7</b>
52°	<b>644.1</b>	<b>543.1</b>	<b>490.8</b>	<b>469.8</b>	<b>461.4</b>	<b>457.3</b>	<b>453.0</b>
60°	<b>610.0</b>	<b>519.0</b>	<b>477.8</b>	<b>459.6</b>	<b>450.0</b>	<b>445.5</b>	<b>441.8</b>
75°	<b>584.1</b>	<b>502.4</b>	<b>468.6</b>	<b>450.8</b>	<b>438.0</b>	<b>428.2</b>	<b>418.9</b>
90°	<b>590.8</b>	<b>501.1</b>	<b>463.4</b>	<b>448.6</b>	<b>433.7</b>	<b>419.6</b>	<b>396.6</b>
110°	<b>590.2</b>	<b>490.6</b>	<b>452.9</b>	<b>431.7</b>	<b>417.5</b>	<b>406.3</b>	<b>386.7</b>
120°	<b>604.0</b>	<b>498.6</b>	<b>456.7</b>	<b>433.0</b>	<b>410.5</b>	<b>391.5</b>	<b>369.4</b>
135°	<b>665.1</b>	<b>540.0</b>	<b>475.7</b>	<b>447.3</b>	<b>425.0</b>	<b>401.8</b>	<b>357.0</b>
150°	<b>785.3</b>	<b>630.1</b>	<b>532.8</b>	<b>476.4</b>	<b>449.5</b>	<b>428.7</b>	<b>386.4</b>
Run VMG	<b>906.8</b>	<b>727.5</b>	<b>615.2</b>	<b>544.0</b>	<b>498.4</b>	<b>463.5</b>	<b>421.6</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>942.9</b>	<b>768.6</b>	<b>663.5</b>	<b>603.2</b>	<b>571.0</b>	<b>549.0</b>	<b>520.6</b>
Circular Random	<b>797.9</b>	<b>644.7</b>	<b>562.7</b>	<b>515.3</b>	<b>486.1</b>	<b>466.7</b>	<b>441.0</b>
Coastal / Long Distance	<b>939.3</b>	<b>722.3</b>	<b>599.8</b>	<b>530.6</b>	<b>495.4</b>	<b>467.9</b>	<b>424.9</b>
Non Spinnaker	<b>865.9</b>	<b>692.6</b>	<b>598.1</b>	<b>542.4</b>	<b>507.7</b>	<b>484.9</b>	<b>456.1</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>40.5°</b>	<b>39.8°</b>	<b>38.3°</b>	<b>37.5°</b>	<b>37.1°</b>	<b>36.8°</b>
Beat VMG	<b>3.68</b>	<b>4.45</b>	<b>5.06</b>	<b>5.43</b>	<b>5.59</b>	<b>5.67</b>	<b>5.81</b>
52°	<b>5.59</b>	<b>6.63</b>	<b>7.33</b>	<b>7.66</b>	<b>7.80</b>	<b>7.87</b>	<b>7.95</b>
60°	<b>5.90</b>	<b>6.94</b>	<b>7.53</b>	<b>7.83</b>	<b>8.00</b>	<b>8.08</b>	<b>8.15</b>
75°	<b>6.16</b>	<b>7.17</b>	<b>7.68</b>	<b>7.99</b>	<b>8.22</b>	<b>8.41</b>	<b>8.59</b>
90°	<b>6.09</b>	<b>7.18</b>	<b>7.77</b>	<b>8.02</b>	<b>8.30</b>	<b>8.58</b>	<b>9.08</b>
110°	<b>6.10</b>	<b>7.34</b>	<b>7.95</b>	<b>8.34</b>	<b>8.62</b>	<b>8.86</b>	<b>9.31</b>
120°	<b>5.96</b>	<b>7.22</b>	<b>7.88</b>	<b>8.31</b>	<b>8.77</b>	<b>9.20</b>	<b>9.75</b>
135°	<b>5.41</b>	<b>6.67</b>	<b>7.57</b>	<b>8.05</b>	<b>8.47</b>	<b>8.96</b>	<b>10.08</b>
150°	<b>4.58</b>	<b>5.71</b>	<b>6.76</b>	<b>7.56</b>	<b>8.01</b>	<b>8.40</b>	<b>9.32</b>
Run VMG	<b>3.97</b>	<b>4.95</b>	<b>5.85</b>	<b>6.62</b>	<b>7.22</b>	<b>7.77</b>	<b>8.54</b>
Gybe Angles	<b>142.0°</b>	<b>148.0°</b>	<b>149.0°</b>	<b>155.5°</b>	<b>168.0°</b>	<b>180.0°</b>	<b>180.0°</b>