



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

**2020  
ORC Club  
Certificate**

**Rating Office**

**Offshore  
Racing  
Congress**



**Certificate**

Number **060-20**  
Issued On **17/06/2020**  
ORC Ref **0388000KQO**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**

**Crew Weight**

Default 586kg  
Maximum **715kg**  
Minimum\* **536kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>675.3</b>	<b>0.8885</b>
Non Spin OSN	<b>653.6</b>	<b>0.9180</b>

**Sails Limitations**

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

**Spinnaker configuration**  
Symmetric: **Yes** 77.46  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

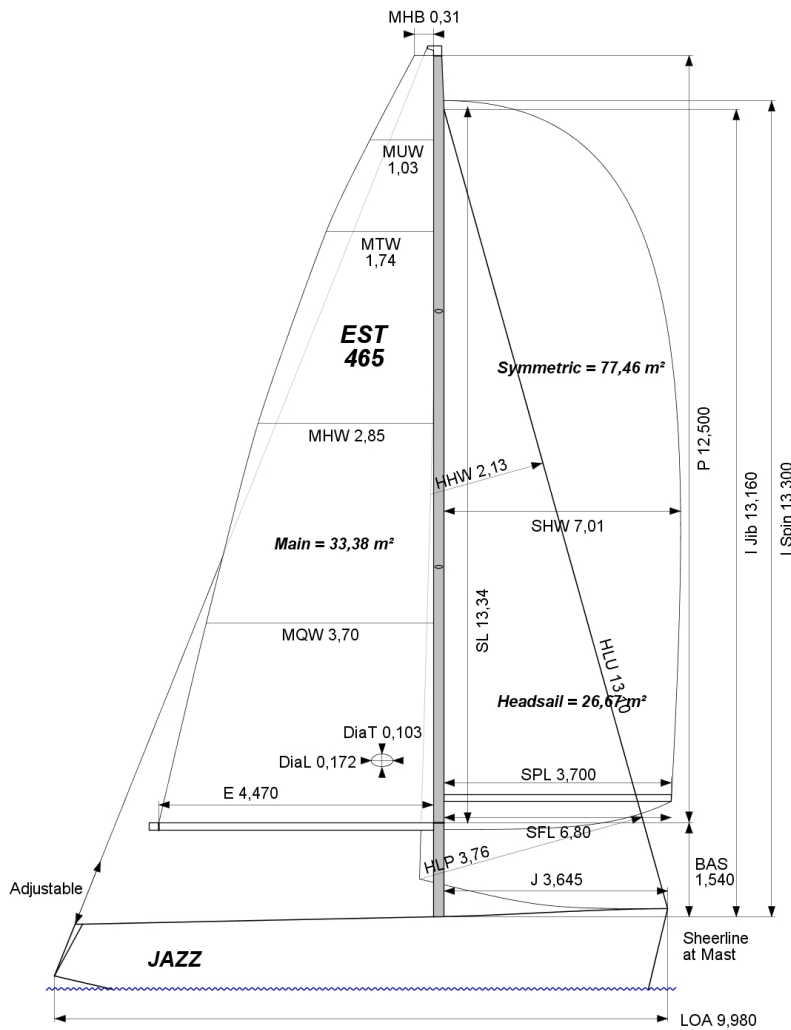
**Class Division Length**

**CDL = 8.634**

**Stability (Measured)**

Limit Positive Stab.: **128.8°**  
Stability Index: **127.8**

**Owner**



BOAT		GPH	HULL			
Name <b>JAZZ</b>	Sail Nr <b>EST 465</b>	<b>640.9</b>	Data File <b>EST465</b>	LOA <b>9.980m</b>		
			Offset File <b>F235B.off</b>	MB <b>3.372m</b>		
			Displacement <b>4,440kg</b>	Draft <b>1.989m</b>		
<b>CLASS</b>			IMS Division <b>Cruiser/Racer</b>	Dynamic All. <b>0.193%</b>		
Class <b>First 34.7</b>	Designer <b>Farr</b>		Plan Review	Construction <b>Cored</b>		
Builder <b>Beneteau</b>	Series <b>10/2005</b>		Fiber Rigging <b>No</b>	Aramid Core <b>No</b>		
Age Date <b>05/2007</b>	Age Allowance <b>0.487%</b>		Crew Arm Ex	Carbon Rudder <b>Yes</b>		
<b>COMMENTS</b>			Light Stanchions			
			IMSL <b>9.051m</b>	VCGD <b>-0.136m</b>		
			RL <b>8.226m</b>	VCGM <b>-0.110m</b>		
			WS <b>22.13m²</b>			
			LSM0 <b>8.933m</b>	Displacement/Length ratio <b>6.2286</b>		
<b>PROPELLER</b>			<b>CENTERBOARD</b>			
Installation <b>Strut</b>	PRD <b>0.410</b>		Water Ballast <b>0</b>			
Type <b>Folding 2 blades</b>	PBW <b>0.118</b>		Trim Tab <b>No</b>			
	PIPA <b>0.0027</b>		BLR Index <b>0.0000</b>			
			<b>NA</b>			
<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>622.1</b>			<b>693.1</b>		
Time on Time	<b>0.9645</b>			<b>0.9739</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>737.2</b>	<b>566.9</b>	<b>504.3</b>	<b>952.7</b>	<b>695.9</b>	<b>603.3</b>
Time on Time	<b>0.9156</b>	<b>1.1907</b>	<b>1.3386</b>	<b>0.7085</b>	<b>0.9699</b>	<b>1.1189</b>

# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name <b>JAZZ</b>	Certificate Number <b>060-20</b>
Sail Nr <b>EST 465</b>	Issued On <b>17/06/2020</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1093.9</b>	<b>906.5</b>	<b>794.8</b>	<b>736.2</b>	<b>716.9</b>	<b>709.9</b>	<b>702.1</b>
52°	<b>712.5</b>	<b>599.8</b>	<b>542.9</b>	<b>518.4</b>	<b>508.1</b>	<b>504.1</b>	<b>501.0</b>
60°	<b>672.3</b>	<b>570.7</b>	<b>527.5</b>	<b>506.5</b>	<b>494.6</b>	<b>489.3</b>	<b>486.5</b>
75°	<b>644.0</b>	<b>551.1</b>	<b>516.0</b>	<b>496.0</b>	<b>479.8</b>	<b>467.0</b>	<b>456.4</b>
90°	<b>652.6</b>	<b>547.8</b>	<b>506.5</b>	<b>487.0</b>	<b>475.6</b>	<b>458.1</b>	<b>430.8</b>
110°	<b>648.9</b>	<b>539.7</b>	<b>499.9</b>	<b>473.1</b>	<b>448.5</b>	<b>431.6</b>	<b>410.6</b>
120°	<b>668.6</b>	<b>551.6</b>	<b>505.5</b>	<b>477.9</b>	<b>451.1</b>	<b>426.4</b>	<b>389.9</b>
135°	<b>738.8</b>	<b>600.2</b>	<b>528.2</b>	<b>496.2</b>	<b>470.3</b>	<b>444.5</b>	<b>396.1</b>
150°	<b>873.3</b>	<b>694.5</b>	<b>587.0</b>	<b>526.2</b>	<b>496.8</b>	<b>472.7</b>	<b>426.1</b>
Run VMG	<b>1008.4</b>	<b>801.9</b>	<b>677.1</b>	<b>596.8</b>	<b>541.2</b>	<b>506.8</b>	<b>459.9</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1051.2</b>	<b>854.2</b>	<b>736.0</b>	<b>666.5</b>	<b>629.1</b>	<b>608.3</b>	<b>581.0</b>
Circular Random	<b>884.5</b>	<b>713.5</b>	<b>621.7</b>	<b>568.4</b>	<b>535.6</b>	<b>514.1</b>	<b>486.2</b>
Coastal / Long Distance	<b>1046.9</b>	<b>801.6</b>	<b>664.4</b>	<b>585.7</b>	<b>546.3</b>	<b>515.4</b>	<b>464.1</b>
Non Spinnaker	<b>945.9</b>	<b>756.9</b>	<b>654.1</b>	<b>593.7</b>	<b>556.4</b>	<b>532.3</b>	<b>502.6</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>42.8°</b>	<b>41.6°</b>	<b>41.3°</b>	<b>39.0°</b>	<b>39.0°</b>	<b>38.8°</b>	<b>38.6°</b>
Beat VMG	<b>3.29</b>	<b>3.97</b>	<b>4.53</b>	<b>4.89</b>	<b>5.02</b>	<b>5.07</b>	<b>5.13</b>
52°	<b>5.05</b>	<b>6.00</b>	<b>6.63</b>	<b>6.94</b>	<b>7.09</b>	<b>7.14</b>	<b>7.19</b>
60°	<b>5.35</b>	<b>6.31</b>	<b>6.82</b>	<b>7.11</b>	<b>7.28</b>	<b>7.36</b>	<b>7.40</b>
75°	<b>5.59</b>	<b>6.53</b>	<b>6.98</b>	<b>7.26</b>	<b>7.50</b>	<b>7.71</b>	<b>7.89</b>
90°	<b>5.52</b>	<b>6.57</b>	<b>7.11</b>	<b>7.39</b>	<b>7.57</b>	<b>7.86</b>	<b>8.36</b>
110°	<b>5.55</b>	<b>6.67</b>	<b>7.20</b>	<b>7.61</b>	<b>8.03</b>	<b>8.34</b>	<b>8.77</b>
120°	<b>5.38</b>	<b>6.53</b>	<b>7.12</b>	<b>7.53</b>	<b>7.98</b>	<b>8.44</b>	<b>9.23</b>
135°	<b>4.87</b>	<b>6.00</b>	<b>6.82</b>	<b>7.26</b>	<b>7.65</b>	<b>8.10</b>	<b>9.09</b>
150°	<b>4.12</b>	<b>5.18</b>	<b>6.13</b>	<b>6.84</b>	<b>7.25</b>	<b>7.62</b>	<b>8.45</b>
Run VMG	<b>3.57</b>	<b>4.49</b>	<b>5.32</b>	<b>6.03</b>	<b>6.65</b>	<b>7.10</b>	<b>7.83</b>
Gybe Angles	<b>145.5°</b>	<b>150.0°</b>	<b>151.0°</b>	<b>158.0°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>