



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

**2020  
ORC Club  
Certificate**

**Rating Office**

**Offshore  
Racing  
Congress**



**Certificate**

Number **060/20**  
Issued On **11/06/2020**  
ORC Ref **03880000KHU**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**

**Crew Weight**

Default 583kg  
Maximum **715kg**  
Minimum\* **536kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>674.5</b>	<b>0.8895</b>
Non Spin OSN	<b>653.0</b>	<b>0.9189</b>

**Sails Limitations**

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

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

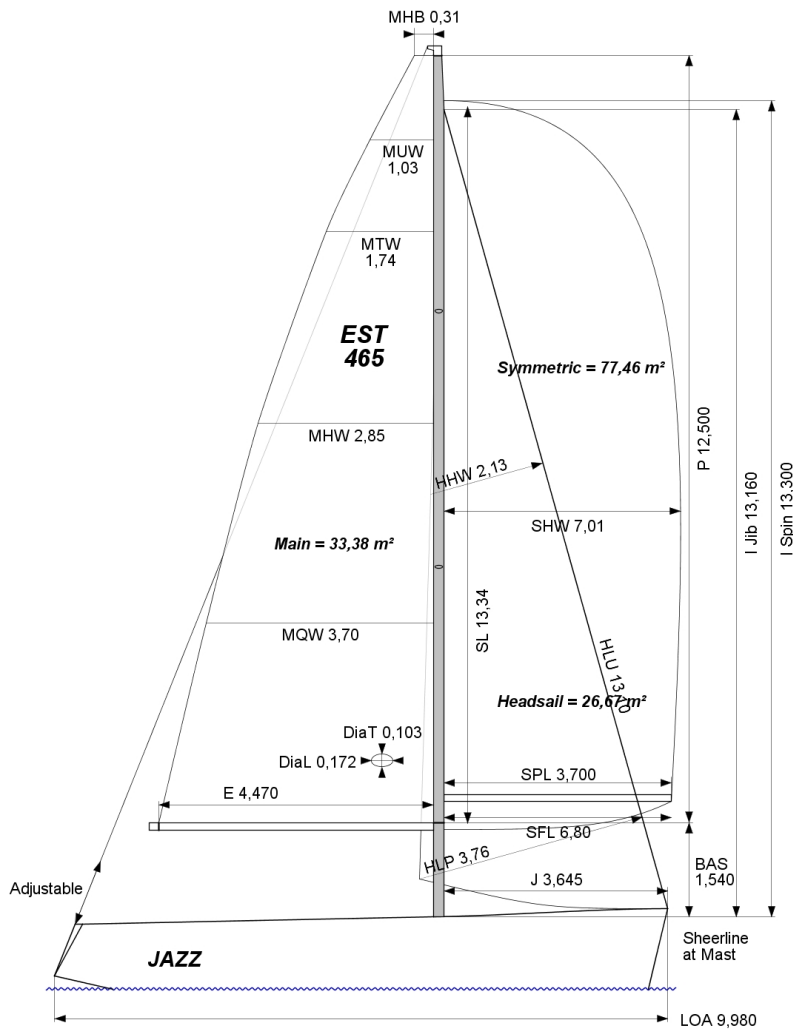
**Class Division Length**

**CDL = 8.635**

**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>640.3</b>	Data File <b>EST465</b> LOA <b>9.980m</b> Offset File <b>F235B.off</b> MB <b>3.372m</b> Displacement <b>4,434kg</b> Draft <b>1.989m</b>
<b>CLASS</b> Class <b>First 34.7</b> Designer <b>Farr</b> Builder <b>Beneteau</b> Series <b>10/2005</b> Age Date <b>05/2007</b> Age Allowance <b>0.487%</b>		IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0.192%</b> Plan Review Construction <b>Cored</b> Fiber Rigging <b>No</b> Aramid Core <b>No</b> Crew Arm Ex Carbon Rudder <b>Yes</b> Light Stanchions
<b>COMMENTS</b>		IMSL <b>9.050m</b> VCGD <b>-0.135m</b> Sink <b>16.20kg/mm</b> RL <b>8.228m</b> VCGM <b>-0.109m</b> WS <b>21.91m²</b> LSM0 <b>8.902m</b> Displacement/Length ratio <b>6.2854</b>
<b>PROPELLER</b> Installation <b>Strut</b> PRD <b>0.410</b> Type <b>Folding 2 blades</b> PBW <b>0.118</b> PIPA <b>0.0027</b>		Water Ballast <b>0</b> Trim Tab <b>No</b> BLR Index <b>0.0000</b>
		<b>CENTERBOARD</b> <b>NA</b>
<b>SCORING OPTIONS</b>		
	<b>COASTAL / LONG DISTANCE</b>	<b>WINDWARD / LEEWARD</b>
Time on Distance	<b>621.6</b>	<b>692.6</b>
Time on Time	<b>0.9652</b>	<b>0.9746</b>
Triple Number	Low Medium High	Low Medium High
Time on Distance	<b>735.9 566.5 504.1</b>	<b>950.8 695.3 603.3</b>
Time on Time	<b>0.9173 1.1915 1.3389</b>	<b>0.7099 0.9708 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>11/06/2020</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1091.6</b>	<b>905.3</b>	<b>794.0</b>	<b>736.1</b>	<b>717.0</b>	<b>710.2</b>	<b>702.6</b>
52°	<b>711.2</b>	<b>598.9</b>	<b>542.4</b>	<b>518.3</b>	<b>508.0</b>	<b>504.1</b>	<b>501.0</b>
60°	<b>671.0</b>	<b>569.9</b>	<b>527.1</b>	<b>506.3</b>	<b>494.5</b>	<b>489.2</b>	<b>486.6</b>
75°	<b>642.6</b>	<b>550.4</b>	<b>515.7</b>	<b>495.8</b>	<b>479.6</b>	<b>466.9</b>	<b>456.4</b>
90°	<b>651.1</b>	<b>547.2</b>	<b>506.3</b>	<b>486.9</b>	<b>475.3</b>	<b>457.8</b>	<b>430.7</b>
110°	<b>647.7</b>	<b>539.1</b>	<b>499.6</b>	<b>472.9</b>	<b>448.3</b>	<b>431.4</b>	<b>410.4</b>
120°	<b>667.3</b>	<b>550.9</b>	<b>505.1</b>	<b>477.6</b>	<b>450.8</b>	<b>426.1</b>	<b>389.7</b>
135°	<b>737.1</b>	<b>599.1</b>	<b>527.7</b>	<b>495.9</b>	<b>470.0</b>	<b>444.2</b>	<b>395.8</b>
150°	<b>871.2</b>	<b>693.2</b>	<b>586.1</b>	<b>525.8</b>	<b>496.5</b>	<b>472.4</b>	<b>425.8</b>
Run VMG	<b>1006.0</b>	<b>800.4</b>	<b>676.0</b>	<b>596.1</b>	<b>540.7</b>	<b>506.5</b>	<b>459.6</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1048.8</b>	<b>852.9</b>	<b>735.0</b>	<b>666.1</b>	<b>628.8</b>	<b>608.3</b>	<b>581.1</b>
Circular Random	<b>883.0</b>	<b>712.5</b>	<b>621.1</b>	<b>568.0</b>	<b>535.4</b>	<b>514.0</b>	<b>486.2</b>
Coastal / Long Distance	<b>1044.5</b>	<b>800.4</b>	<b>663.6</b>	<b>585.4</b>	<b>546.1</b>	<b>515.3</b>	<b>464.0</b>
Non Spinnaker	<b>944.1</b>	<b>755.7</b>	<b>653.3</b>	<b>593.2</b>	<b>556.1</b>	<b>532.1</b>	<b>502.5</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>39.0°</b>	<b>38.6°</b>
Beat VMG	<b>3.30</b>	<b>3.98</b>	<b>4.53</b>	<b>4.89</b>	<b>5.02</b>	<b>5.07</b>	<b>5.12</b>
52°	<b>5.06</b>	<b>6.01</b>	<b>6.64</b>	<b>6.95</b>	<b>7.09</b>	<b>7.14</b>	<b>7.19</b>
60°	<b>5.37</b>	<b>6.32</b>	<b>6.83</b>	<b>7.11</b>	<b>7.28</b>	<b>7.36</b>	<b>7.40</b>
75°	<b>5.60</b>	<b>6.54</b>	<b>6.98</b>	<b>7.26</b>	<b>7.51</b>	<b>7.71</b>	<b>7.89</b>
90°	<b>5.53</b>	<b>6.58</b>	<b>7.11</b>	<b>7.39</b>	<b>7.57</b>	<b>7.86</b>	<b>8.36</b>
110°	<b>5.56</b>	<b>6.68</b>	<b>7.21</b>	<b>7.61</b>	<b>8.03</b>	<b>8.34</b>	<b>8.77</b>
120°	<b>5.39</b>	<b>6.54</b>	<b>7.13</b>	<b>7.54</b>	<b>7.99</b>	<b>8.45</b>	<b>9.24</b>
135°	<b>4.88</b>	<b>6.01</b>	<b>6.82</b>	<b>7.26</b>	<b>7.66</b>	<b>8.10</b>	<b>9.10</b>
150°	<b>4.13</b>	<b>5.19</b>	<b>6.14</b>	<b>6.85</b>	<b>7.25</b>	<b>7.62</b>	<b>8.45</b>
Run VMG	<b>3.58</b>	<b>4.50</b>	<b>5.33</b>	<b>6.04</b>	<b>6.66</b>	<b>7.11</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>