



**ORC**

Offshore Racing Congress  
World leader in rating technology

**2020  
ORC Club  
Certificate**

**Rating Office**

**Offshore  
Racing  
Congress**



**Certificate**

Number **200300**  
Issued On **12/08/2020**  
ORC Ref **03390000ODP**  
VPP Ver. **2020 1.01**  
Valid until **31/03/2021**

**Crew Weight**

Default 566kg  
Maximum **566kg**  
Minimum\* **425kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>638.5</b>	<b>0.9397</b>
Non Spin OSN	<b>622.7</b>	<b>0.9635</b>

**Sails Limitations**

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

**Spinnaker configuration**  
Symmetric: **Yes 75.01**  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

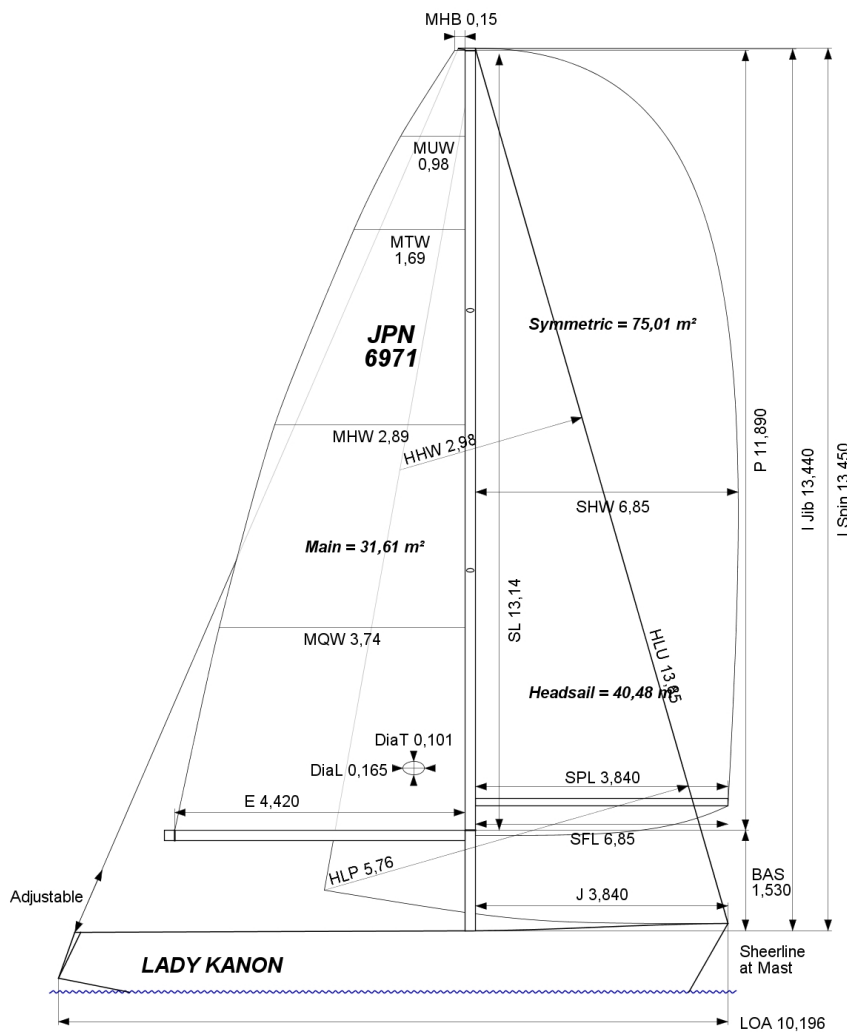
**Class Division Length**

**CDL = 8.813**

**Stability (Estimated)**

Limit Positive Stab.: **115.9°**  
Stability Index: **112.1**

**Owner**



BOAT	GPH	HULL
Name <b>LADY KANON</b> Sail Nr <b>JPN 6971</b>	<b>617.1</b>	Data File <b>JC200300</b> LOA <b>10.196m</b> Offset File <b>US19426.BOF</b> MB <b>3.328m</b> Displacement <b>3,588kg</b> Draft <b>1.909m</b>
<b>CLASS</b> Class <b>J-33</b> Designer <b>R.JOHNSTONE</b> Builder <b>TILLOTSON-Pearson</b> Series <b>01/1988</b> Age Date <b>09/1988</b> Age Allowance <b>0.487%</b>	IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0.000%</b> Plan Review Construction <b>Cored</b> Fiber Rigging <b>No</b> Aramid Core <b>No</b> Crew Arm Ex Carbon Rudder <b>No</b> Light Stanchions <b>No</b>	IMS L <b>8.886m</b> VCGD <b>-0.032m</b> Sink <b>14.82kg/mm</b> RL <b>8.739m</b> VCGM <b>-0.040m</b> WS <b>19.96m<sup>2</sup></b> LSM0 <b>8.717m</b> Displacement/Length ratio <b>5.4169</b>
<b>COMMENTS</b>	Water Ballast <b>0</b> Trim Tab <b>No</b> BLR Index <b>0.0000</b>	<b>CENTERBOARD</b> <b>N/A</b>
<b>PROPELLER</b> Installation <b>Shaft exposed</b> PRD <b>0.360</b> Type <b>Folding 2 blades</b> PIPA <b>0.0012</b>		
<b>SCORING OPTIONS</b>		
	<b>COASTAL / LONG DISTANCE</b>	<b>WINDWARD / LEEWARD</b>
Time on Distance	<b>601.4</b>	<b>670.5</b>
Time on Time	<b>0.9977</b>	<b>1.0067</b>
Triple Number	Low Medium High	Low Medium High
Time on Distance	<b>693.5 550.6 494.9</b>	<b>892.0 672.6 592.6</b>
Time on Time	<b>0.9733 1.2260 1.3638</b>	<b>0.7567 1.0036 1.1390</b>

# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name	<b>LADY KANON</b>
Sail Nr	<b>JPN 6971</b>
Certificate Number	<b>200300</b>
Issued On	<b>12/08/2020</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>980.1</b>	<b>812.6</b>	<b>741.3</b>	<b>714.3</b>	<b>701.5</b>	<b>698.2</b>	<b>686.1</b>
52°	<b>645.5</b>	<b>550.5</b>	<b>520.8</b>	<b>510.8</b>	<b>505.8</b>	<b>502.7</b>	<b>496.9</b>
60°	<b>610.9</b>	<b>534.5</b>	<b>508.8</b>	<b>497.8</b>	<b>491.6</b>	<b>488.0</b>	<b>482.3</b>
75°	<b>584.7</b>	<b>523.9</b>	<b>498.2</b>	<b>480.4</b>	<b>469.2</b>	<b>462.1</b>	<b>455.7</b>
90°	<b>590.0</b>	<b>523.8</b>	<b>496.0</b>	<b>473.8</b>	<b>454.4</b>	<b>439.9</b>	<b>425.6</b>
110°	<b>638.9</b>	<b>534.1</b>	<b>494.9</b>	<b>466.1</b>	<b>443.2</b>	<b>429.3</b>	<b>406.5</b>
120°	<b>657.3</b>	<b>543.8</b>	<b>500.1</b>	<b>468.9</b>	<b>439.7</b>	<b>414.8</b>	<b>383.4</b>
135°	<b>726.3</b>	<b>588.0</b>	<b>522.1</b>	<b>489.6</b>	<b>459.4</b>	<b>430.8</b>	<b>373.0</b>
150°	<b>856.8</b>	<b>680.8</b>	<b>576.0</b>	<b>520.4</b>	<b>490.5</b>	<b>462.7</b>	<b>410.4</b>
Run VMG	<b>989.4</b>	<b>786.1</b>	<b>663.9</b>	<b>588.6</b>	<b>535.4</b>	<b>502.1</b>	<b>449.7</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>984.7</b>	<b>799.4</b>	<b>702.6</b>	<b>651.5</b>	<b>618.5</b>	<b>600.1</b>	<b>567.9</b>
Circular Random	<b>838.1</b>	<b>681.7</b>	<b>599.5</b>	<b>552.5</b>	<b>523.5</b>	<b>503.8</b>	<b>475.8</b>
Coastal / Long Distance	<b>985.2</b>	<b>753.7</b>	<b>637.7</b>	<b>573.0</b>	<b>535.7</b>	<b>505.8</b>	<b>456.2</b>
Non Spinnaker	<b>875.4</b>	<b>708.5</b>	<b>619.7</b>	<b>568.5</b>	<b>536.7</b>	<b>515.2</b>	<b>485.0</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>39.4°</b>	<b>38.3°</b>	<b>37.5°</b>	<b>37.5°</b>	<b>37.1°</b>
Beat VMG	<b>3.67</b>	<b>4.43</b>	<b>4.86</b>	<b>5.04</b>	<b>5.13</b>	<b>5.16</b>	<b>5.25</b>
52°	<b>5.58</b>	<b>6.54</b>	<b>6.91</b>	<b>7.05</b>	<b>7.12</b>	<b>7.16</b>	<b>7.25</b>
60°	<b>5.89</b>	<b>6.74</b>	<b>7.07</b>	<b>7.23</b>	<b>7.32</b>	<b>7.38</b>	<b>7.46</b>
75°	<b>6.16</b>	<b>6.87</b>	<b>7.23</b>	<b>7.49</b>	<b>7.67</b>	<b>7.79</b>	<b>7.90</b>
90°	<b>6.10</b>	<b>6.87</b>	<b>7.26</b>	<b>7.60</b>	<b>7.92</b>	<b>8.18</b>	<b>8.46</b>
110°	<b>5.64</b>	<b>6.74</b>	<b>7.27</b>	<b>7.72</b>	<b>8.12</b>	<b>8.39</b>	<b>8.86</b>
120°	<b>5.48</b>	<b>6.62</b>	<b>7.20</b>	<b>7.68</b>	<b>8.19</b>	<b>8.68</b>	<b>9.39</b>
135°	<b>4.96</b>	<b>6.12</b>	<b>6.89</b>	<b>7.35</b>	<b>7.84</b>	<b>8.36</b>	<b>9.65</b>
150°	<b>4.20</b>	<b>5.29</b>	<b>6.25</b>	<b>6.92</b>	<b>7.34</b>	<b>7.78</b>	<b>8.77</b>
Run VMG	<b>3.64</b>	<b>4.58</b>	<b>5.42</b>	<b>6.12</b>	<b>6.72</b>	<b>7.17</b>	<b>8.01</b>
Gybe Angles	<b>145.0°</b>	<b>149.0°</b>	<b>151.5°</b>	<b>159.0°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>