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**2020**  
**Club**  
**Double Handed**

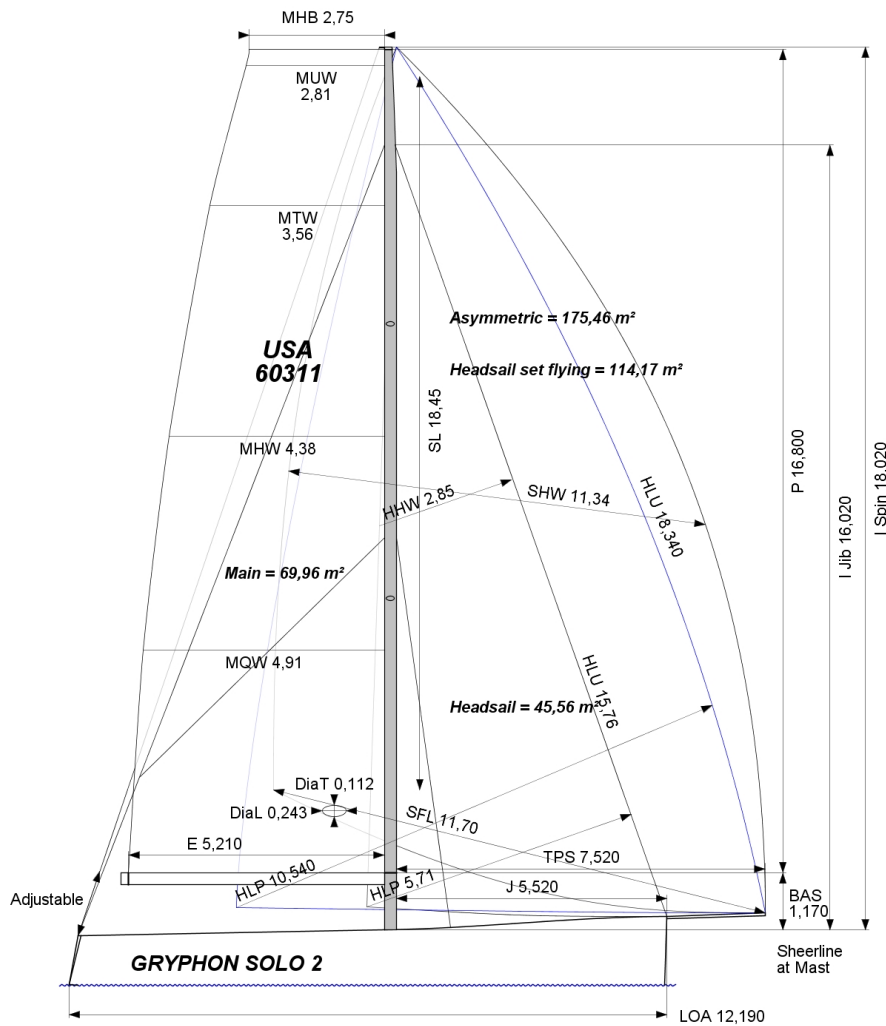
**Rating Office**

**Offshore**  
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**Congress**

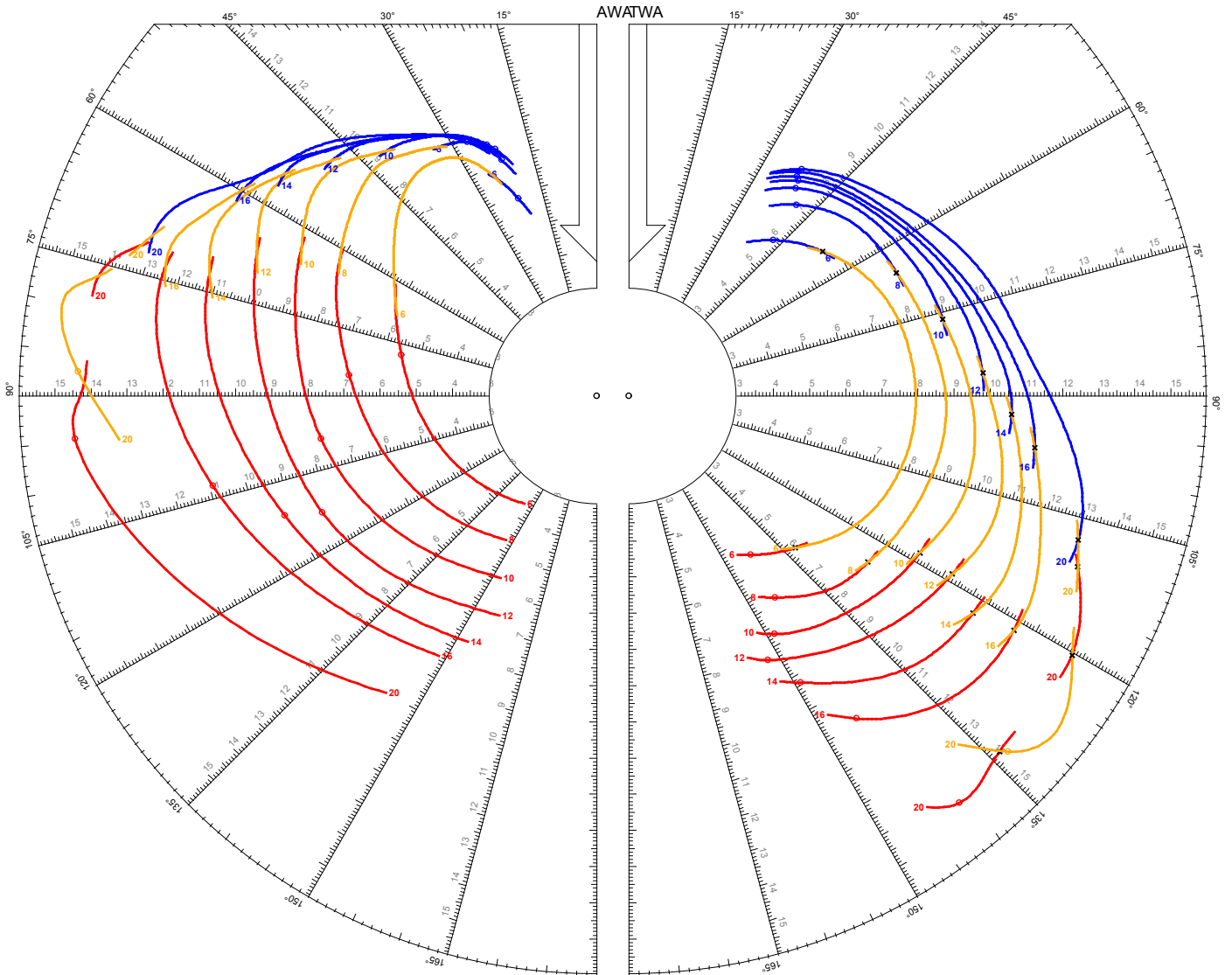


**Certificate**

Number **US6598**  
Issued On **28/08/2020**  
ORC Ref **03410000P94**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**



<b>BOAT</b> Name <b>GRYPHON SOLO 2</b> Sail Nr <b>USA-60311</b>		<b>GPH</b> <b>492.8</b>	<b>HULL</b> Data File <b>US6598</b> LOA <b>12.190m</b> Offset File <b>US42254-2R.OFF</b> MB <b>4.500m</b> Displacement <b>4,638kg</b> Draft <b>3.006m</b>		<b>Crew Weight</b> Default <b>170kg</b> Maximum <b>170kg</b> Non Manual Pwr <b>No</b>
<b>CLASS</b> Class <b>AKLARIA 2</b> Designer <b>LOMBARD</b> Builder Series <b>03/2011</b> Age Date <b>03/2011</b> Age Allowance <b>0.292%</b>			<b>Performance</b> IMS Division <b>Performance</b> Dynamic All. <b>0.000%</b> Fiber Rigging <b>No</b> Construction <b>Cored</b> Crew Arm Ex <b>0.00</b> Aramid Core <b>No</b> Carbon Rudder <b>Yes</b> Light Stanchions <b>No</b>		<b>Sails Limitations</b> Headsails <b>7</b> Spinnakers <b>5</b> <b>Asymmetric on centerline</b> <b>Spinnaker configuration</b> Symmetric: <b>No</b> Asymmetric: <b>Yes 175.46</b> Flying H/S: <b>Yes 114.17</b> Spin. Pole: <b>No</b>
<b>COMMENTS</b>			<b>IMS Data</b> IMSL <b>12.119m</b> VCGD <b>-0.887m</b> Sink <b>26.78kg/mm</b> RL <b>13.341m</b> VCGM <b>-0.856m</b> WS <b>32.64m²</b> LSM0 <b>11.974m</b> Displacement/Length ratio <b>2.7015</b> Water Ballast <b>431</b> Trim Tab <b>No</b> BLR Index <b>1.1669</b>		<b>Stability (Measured)</b> Limit Positive Stab.: <b>122.4°</b> Stability Index: <b>119.2</b>
<b>PROPELLER</b> Installation <b>Strut</b> PRD <b>0.380</b> Type <b>Folding 2 blades</b> PBW <b>0.102</b> PIPA <b>0.0038</b>		<b>CENTERBOARD</b> <b>N/A</b>		<b>Owner</b>	
<b>SCORING OPTIONS</b>					
	Time on Distance	Time on Time			
Coastal or Long Distance	<b>481.1</b>	<b>1.2473</b>			
Circular Random	<b>492.8</b>	<b>1.2175</b>			
Predominantly Upwind	<b>478.8</b>	<b>1.2531</b>			
Predominantly Downwind	<b>449.4</b>	<b>1.3350</b>			



Polar Plot for Boat	
Name	<b>GRYPHON SOLO 2</b>
Sail Number	<b>USA-60311</b>
Class	<b>AKLARIA 2</b>
Designer	<b>LOMBARD</b>
Builder	
Issued On	<b>28/08/2020 - VPP 2020 1.02</b>

# 2020

## Double Handed Certificate Appendix

<b>BOAT</b>			
Name	<b>GRYPHON SOLO 2</b>	Certificate Number	<b>US6598</b>
Sail Nr	<b>USA-60311</b>	Issued On	<b>28/08/2020</b>

<b>TIME ALLOWANCES</b>								
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	
Beat VMG	<b>836.8</b>	<b>682.1</b>	<b>609.3</b>	<b>578.1</b>	<b>564.5</b>	<b>557.0</b>	<b>544.5</b>	
52°	<b>546.6</b>	<b>461.8</b>	<b>433.2</b>	<b>412.7</b>	<b>401.0</b>	<b>393.3</b>	<b>377.7</b>	
60°	<b>503.8</b>	<b>445.4</b>	<b>421.5</b>	<b>393.4</b>	<b>378.8</b>	<b>369.6</b>	<b>355.1</b>	
75°	<b>464.9</b>	<b>423.1</b>	<b>391.8</b>	<b>370.5</b>	<b>347.3</b>	<b>334.4</b>	<b>319.2</b>	
90°	<b>454.8</b>	<b>411.9</b>	<b>370.5</b>	<b>343.7</b>	<b>325.8</b>	<b>310.0</b>	<b>283.5</b>	
110°	<b>472.7</b>	<b>423.4</b>	<b>377.9</b>	<b>338.7</b>	<b>302.5</b>	<b>280.1</b>	<b>249.0</b>	
120°	<b>502.9</b>	<b>438.3</b>	<b>396.9</b>	<b>355.4</b>	<b>316.5</b>	<b>286.0</b>	<b>233.3</b>	
135°	<b>596.7</b>	<b>473.2</b>	<b>425.7</b>	<b>384.4</b>	<b>337.0</b>	<b>299.1</b>	<b>235.9</b>	
150°	<b>712.4</b>	<b>562.1</b>	<b>475.3</b>	<b>427.1</b>	<b>394.8</b>	<b>350.9</b>	<b>278.2</b>	
Run VMG	<b>822.6</b>	<b>649.1</b>	<b>548.9</b>	<b>494.6</b>	<b>455.9</b>	<b>405.2</b>	<b>321.2</b>	
<b>Selected Courses</b>								
Windward / Leeward	<b>829.7</b>	<b>665.6</b>	<b>579.1</b>	<b>536.4</b>	<b>510.2</b>	<b>481.1</b>	<b>432.9</b>	
Circular Random	<b>682.3</b>	<b>551.1</b>	<b>479.1</b>	<b>434.5</b>	<b>403.6</b>	<b>379.7</b>	<b>342.5</b>	
Coastal / Long Distance	<b>829.0</b>	<b>625.4</b>	<b>521.3</b>	<b>458.4</b>	<b>419.7</b>	<b>382.1</b>	<b>318.2</b>	
Non Spinnaker	<b>755.8</b>	<b>604.2</b>	<b>520.1</b>	<b>468.1</b>	<b>432.7</b>	<b>406.7</b>	<b>368.8</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>38.6°</b>	<b>36.4°</b>	<b>35.6°</b>	<b>35.3°</b>	<b>34.7°</b>	
Beat VMG	<b>4.30</b>	<b>5.28</b>	<b>5.91</b>	<b>6.23</b>	<b>6.38</b>	<b>6.46</b>	<b>6.61</b>	
52°	<b>6.59</b>	<b>7.80</b>	<b>8.31</b>	<b>8.72</b>	<b>8.98</b>	<b>9.15</b>	<b>9.53</b>	
60°	<b>7.15</b>	<b>8.08</b>	<b>8.54</b>	<b>9.15</b>	<b>9.50</b>	<b>9.74</b>	<b>10.14</b>	
75°	<b>7.74</b>	<b>8.51</b>	<b>9.19</b>	<b>9.72</b>	<b>10.37</b>	<b>10.77</b>	<b>11.28</b>	
90°	<b>7.92</b>	<b>8.74</b>	<b>9.72</b>	<b>10.47</b>	<b>11.05</b>	<b>11.61</b>	<b>12.70</b>	
110°	<b>7.62</b>	<b>8.50</b>	<b>9.53</b>	<b>10.63</b>	<b>11.90</b>	<b>12.85</b>	<b>14.46</b>	
120°	<b>7.16</b>	<b>8.21</b>	<b>9.07</b>	<b>10.13</b>	<b>11.37</b>	<b>12.59</b>	<b>15.43</b>	
135°	<b>6.03</b>	<b>7.61</b>	<b>8.46</b>	<b>9.36</b>	<b>10.68</b>	<b>12.03</b>	<b>15.26</b>	
150°	<b>5.05</b>	<b>6.40</b>	<b>7.57</b>	<b>8.43</b>	<b>9.12</b>	<b>10.26</b>	<b>12.94</b>	
Run VMG	<b>4.38</b>	<b>5.55</b>	<b>6.56</b>	<b>7.28</b>	<b>7.90</b>	<b>8.89</b>	<b>11.21</b>	
Gybe Angles	<b>142.5°</b>	<b>144.0°</b>	<b>148.5°</b>	<b>152.3°</b>	<b>149.0°</b>	<b>144.8°</b>	<b>140.9°</b>	