



**ORC**  
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**2020**  
International  
Double Handed

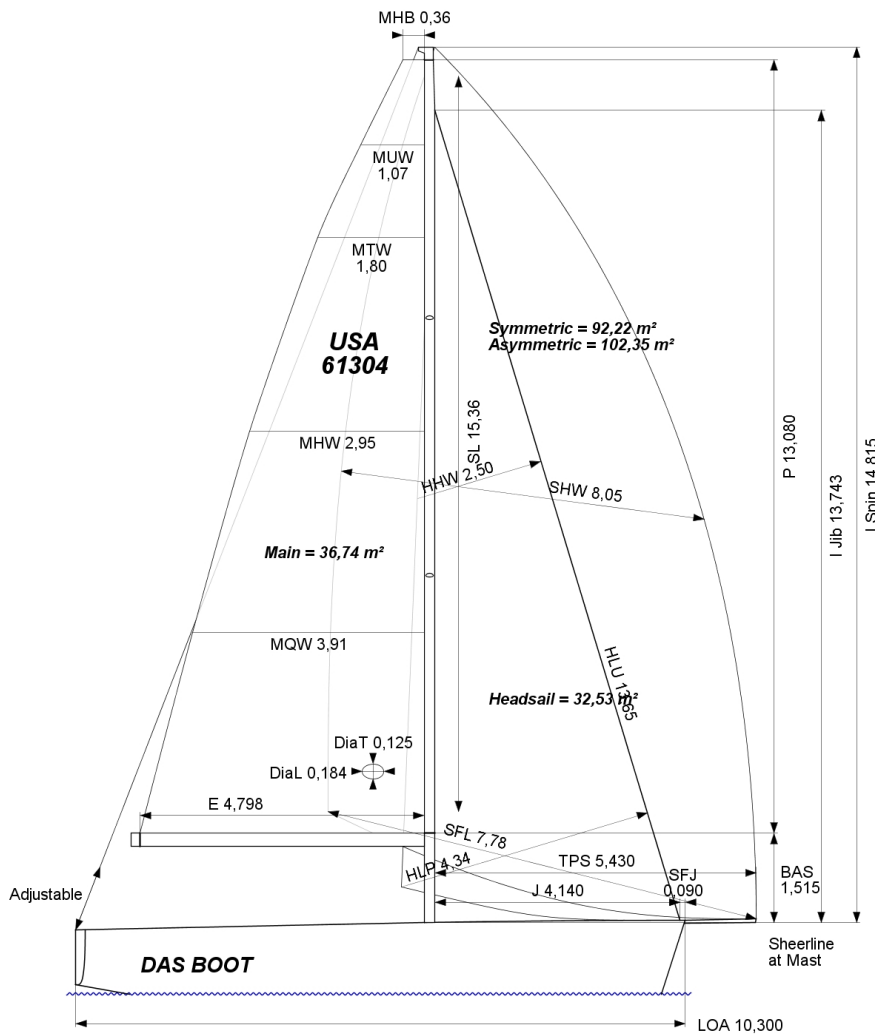
**Rating Office**

**Offshore  
Racing  
Congress**

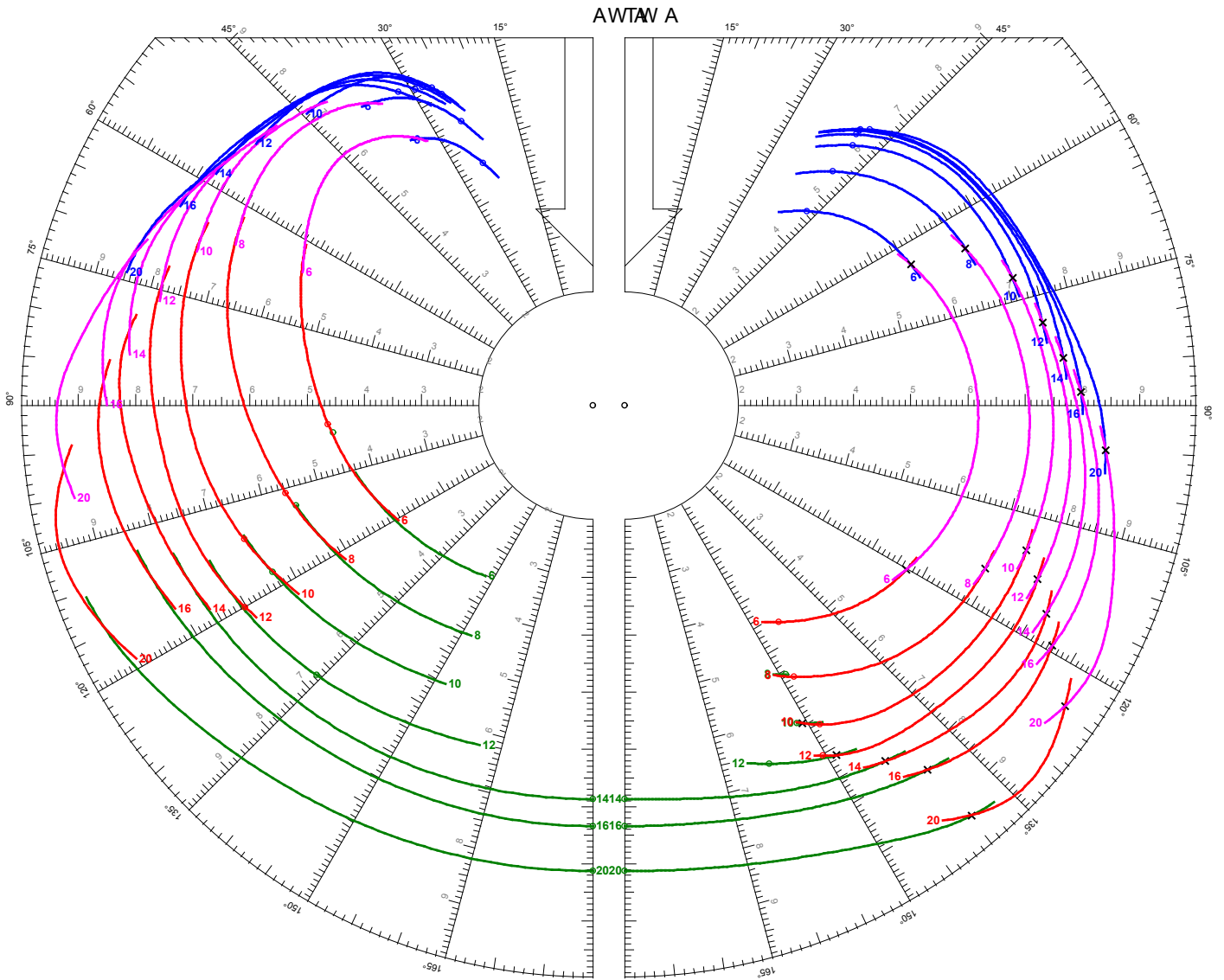


**Certificate**

Number **US6711**  
Issued On **02/09/2020**  
ORC Ref **03410000PL7**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**



<b>BOAT</b> Name <b>DAS BOOT</b> Sail Nr <b>USA 61304</b>		<b>GPH</b> <b>626.3</b>	<b>HULL</b> Data File <b>US6711DH</b> LOA <b>10.300m</b> Offset File <b>IY998MP.off</b> MB <b>3.536m</b> Displacement <b>4,893kg</b> Draft <b>1.918m</b>		<b>Crew Weight</b> Default <b>170kg</b> Maximum <b>170kg</b> Non Manual Pwr <b>No</b>	
<b>CLASS</b> Class <b>ITALIA 998</b> Designer <b>POLLI</b> Builder <b>ITALIA YACHTS</b> Series <b>09/2014</b> Age Date <b>08/2020</b> Age Allowance <b>0.195%</b>			<b>IMS Division</b> <b>Cruiser/Racer</b> Dynamic All. <b>0.108%</b> Fiber Rigging <b>No</b> Construction <b>Cored</b> Crew Arm Ex Aramid Core <b>No</b> Carbon Rudder <b>No</b> Light Stanchions <b>No</b>		<b>Sails Limitations</b> Headsails <b>5</b> Spinnakers <b>4</b> <b>Asymmetric on centerline</b> <b>Spinnaker configuration</b> Symmetric: <b>Yes 92.22</b> Asymmetric: <b>Yes 102.35</b> Flying H/S: <b>No</b> Spin. Pole: <b>Yes</b>	
<b>COMMENTS</b>			<b>IMSL</b> <b>9.498m</b> VCGD <b>0.084m</b> Sink <b>18.17kg/mm</b> RL <b>7.660m</b> VCGM <b>0.063m</b> WS <b>24.08m²</b> LSM0 <b>9.232m</b> Displacement/Length ratio <b>6.2185</b> Water Ballast <b>0</b> Trim Tab <b>No</b> BLR Index <b>0.0000</b>		<b>Stability (Measured)</b> Limit Positive Stab.: <b>118.2°</b> Stability Index: <b>116.3</b>	
<b>PROPELLER</b> Installation <b>Strut</b> PRD <b>0.408</b> Type <b>Folding 2 blades</b> PBW <b>0.114</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>613.4</b>	<b>0.9781</b>				
Circular Random	<b>626.3</b>	<b>0.9580</b>				
Predominantly Upwind	<b>615.4</b>	<b>0.9750</b>				
Predominantly Downwind	<b>559.5</b>	<b>1.0724</b>				



Polar Plot for Boat	
Name	DAS BOOT
Sail Number	USA 61304
Class	ITALIA 998
Designer	POLLI
Builder	ITALIA YACHTS
Issued On	02/09/2020 - VPP 2020 1.02

# 2020

## Double Handed Certificate Appendix

<b>BOAT</b>			
Name	<b>DAS BOOT</b>	Certificate Number	<b>US6711</b>
Sail Nr	<b>USA 61304</b>	Issued On	<b>02/09/2020</b>

<b>TIME ALLOWANCES</b>								
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	
Beat VMG	<b>1065.2</b>	<b>884.5</b>	<b>795.6</b>	<b>762.9</b>	<b>752.1</b>	<b>749.2</b>	<b>747.7</b>	
52°	<b>697.1</b>	<b>588.3</b>	<b>536.6</b>	<b>518.5</b>	<b>512.2</b>	<b>510.1</b>	<b>503.7</b>	
60°	<b>659.1</b>	<b>560.7</b>	<b>517.7</b>	<b>500.7</b>	<b>494.9</b>	<b>492.5</b>	<b>487.3</b>	
75°	<b>607.7</b>	<b>526.5</b>	<b>500.2</b>	<b>485.9</b>	<b>474.3</b>	<b>468.7</b>	<b>465.3</b>	
90°	<b>584.1</b>	<b>510.2</b>	<b>482.6</b>	<b>466.7</b>	<b>456.3</b>	<b>448.4</b>	<b>434.3</b>	
110°	<b>601.2</b>	<b>516.5</b>	<b>483.5</b>	<b>458.8</b>	<b>436.3</b>	<b>418.1</b>	<b>397.3</b>	
120°	<b>632.9</b>	<b>528.0</b>	<b>487.3</b>	<b>460.1</b>	<b>435.3</b>	<b>420.3</b>	<b>384.2</b>	
135°	<b>701.2</b>	<b>569.1</b>	<b>506.3</b>	<b>476.5</b>	<b>449.8</b>	<b>423.8</b>	<b>374.5</b>	
150°	<b>826.6</b>	<b>659.8</b>	<b>561.1</b>	<b>508.5</b>	<b>480.1</b>	<b>455.5</b>	<b>408.3</b>	
Run VMG	<b>954.4</b>	<b>761.9</b>	<b>647.9</b>	<b>576.9</b>	<b>525.1</b>	<b>491.4</b>	<b>444.0</b>	
<b>Selected Courses</b>								
Windward / Leeward	<b>1009.8</b>	<b>823.2</b>	<b>721.7</b>	<b>669.9</b>	<b>638.6</b>	<b>620.3</b>	<b>595.9</b>	
Circular Random	<b>850.8</b>	<b>691.6</b>	<b>608.1</b>	<b>561.1</b>	<b>532.9</b>	<b>514.6</b>	<b>490.4</b>	
Coastal / Long Distance	<b>1004.3</b>	<b>771.5</b>	<b>649.4</b>	<b>582.5</b>	<b>545.5</b>	<b>517.1</b>	<b>464.7</b>	
Non Spinnaker	<b>925.0</b>	<b>743.2</b>	<b>645.7</b>	<b>589.6</b>	<b>555.9</b>	<b>534.4</b>	<b>508.1</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>43.1°</b>	<b>41.6°</b>	<b>41.3°</b>	<b>40.5°</b>	<b>40.5°</b>	<b>40.5°</b>	<b>41.6°</b>	
Beat VMG	<b>3.38</b>	<b>4.07</b>	<b>4.52</b>	<b>4.72</b>	<b>4.79</b>	<b>4.81</b>	<b>4.81</b>	
52°	<b>5.16</b>	<b>6.12</b>	<b>6.71</b>	<b>6.94</b>	<b>7.03</b>	<b>7.06</b>	<b>7.15</b>	
60°	<b>5.46</b>	<b>6.42</b>	<b>6.95</b>	<b>7.19</b>	<b>7.27</b>	<b>7.31</b>	<b>7.39</b>	
75°	<b>5.92</b>	<b>6.84</b>	<b>7.20</b>	<b>7.41</b>	<b>7.59</b>	<b>7.68</b>	<b>7.74</b>	
90°	<b>6.16</b>	<b>7.06</b>	<b>7.46</b>	<b>7.71</b>	<b>7.89</b>	<b>8.03</b>	<b>8.29</b>	
110°	<b>5.99</b>	<b>6.97</b>	<b>7.45</b>	<b>7.85</b>	<b>8.25</b>	<b>8.61</b>	<b>9.06</b>	
120°	<b>5.69</b>	<b>6.82</b>	<b>7.39</b>	<b>7.82</b>	<b>8.27</b>	<b>8.57</b>	<b>9.37</b>	
135°	<b>5.13</b>	<b>6.33</b>	<b>7.11</b>	<b>7.56</b>	<b>8.00</b>	<b>8.49</b>	<b>9.61</b>	
150°	<b>4.36</b>	<b>5.46</b>	<b>6.42</b>	<b>7.08</b>	<b>7.50</b>	<b>7.90</b>	<b>8.82</b>	
Run VMG	<b>3.77</b>	<b>4.72</b>	<b>5.56</b>	<b>6.24</b>	<b>6.86</b>	<b>7.33</b>	<b>8.11</b>	
Gybe Angles	<b>144.5°</b>	<b>148.0°</b>	<b>148.5°</b>	<b>158.0°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>	