



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

**2020**  
Club  
Double Handed

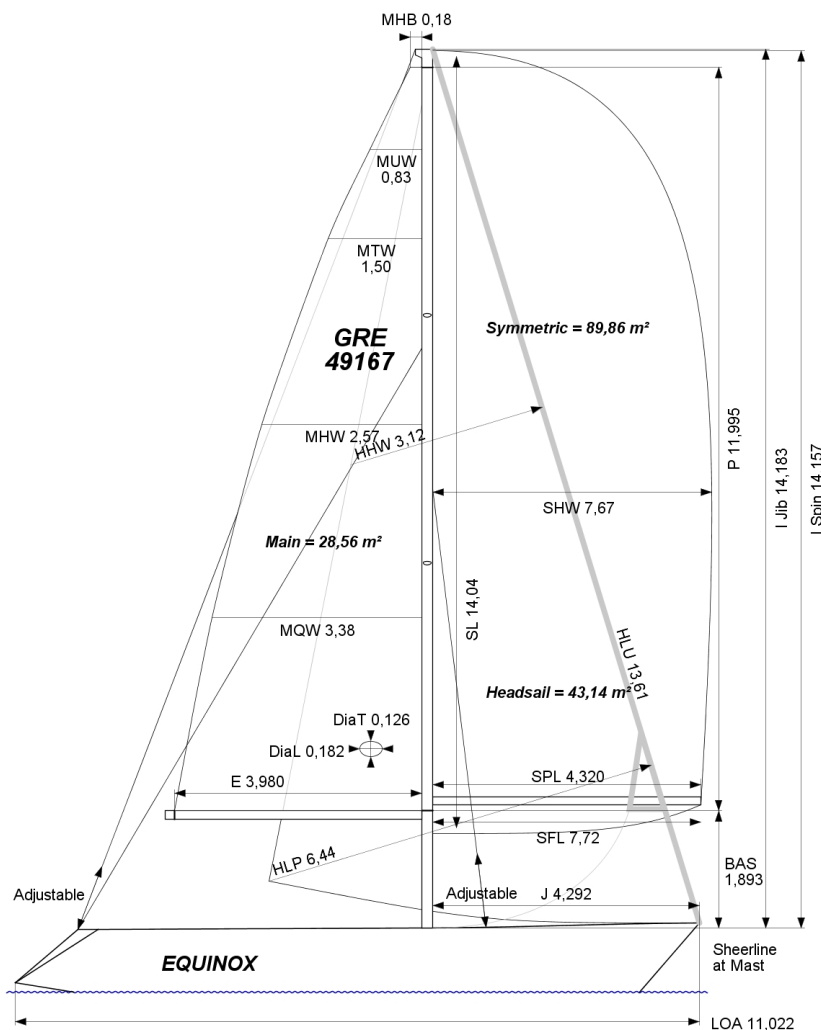
**Rating Office**

Hellenic Sailing Federation  
Offshore Committee  
Επιτροπή  
Ανοικτής Θαλάσσης  
Ελληνικής  
Ιστιοπλοϊκής Ομοσπονδίας

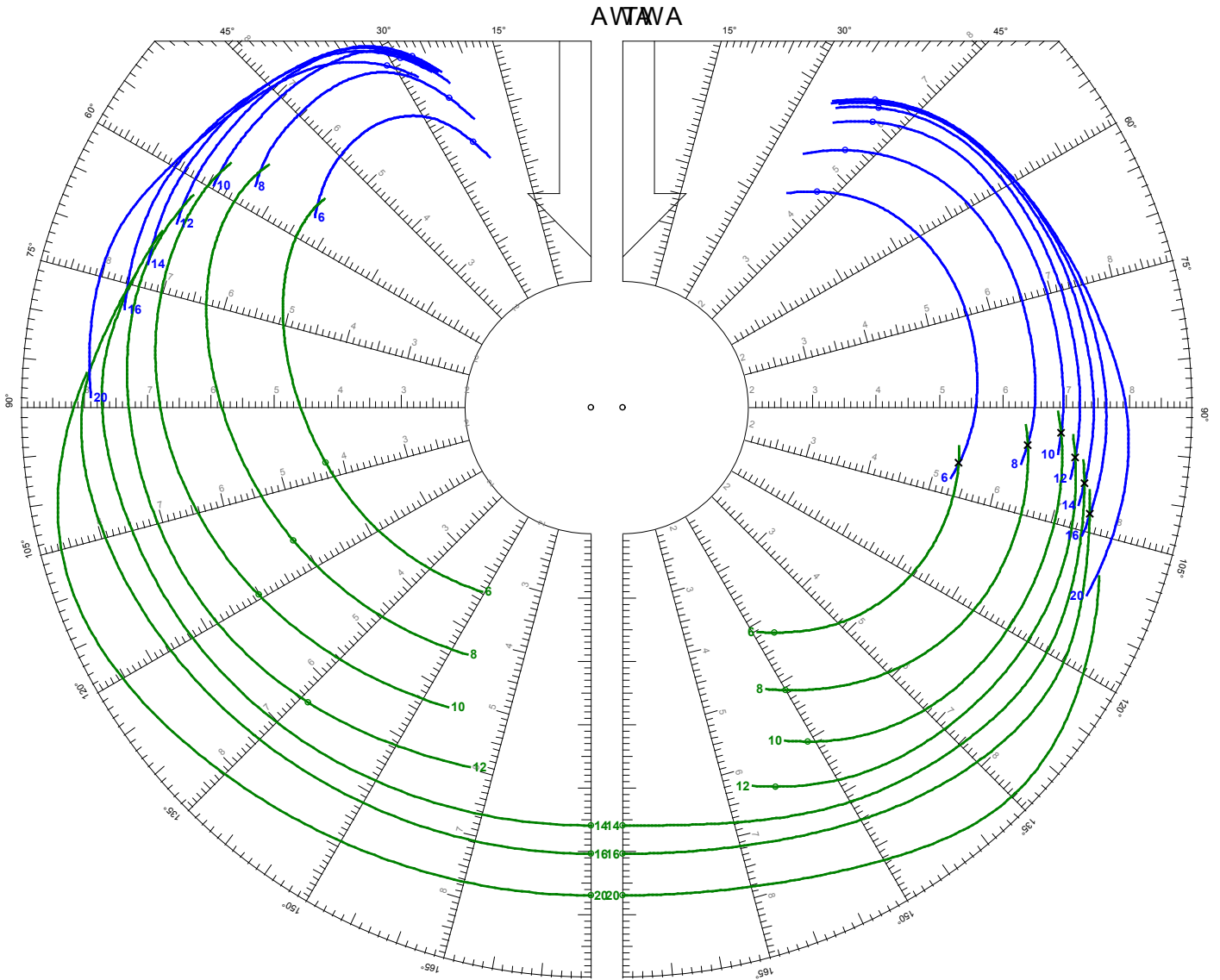


**Certificate**

Number **00883**  
Issued On **17/06/2020**  
ORC Ref **03420000KTK**  
VPP Ver. **2020 1.02**  
Valid until **28/02/2021**



<b>BOAT</b> Name <b>EQUINOX</b> Sail Nr <b>GRE-49167</b>		<b>GPH</b> <b>652.1</b>	<b>HULL</b> Data File <b>GR49167</b> LOA <b>11.022m</b> Offset File <b>X372.OFF</b> MB <b>3.622m</b> Displacement <b>5,239kg</b> Draft <b>2.007m</b>		<b>Crew Weight</b> Default <b>170kg</b> Maximum <b>170kg</b> Non Manual Pwr <b>No</b>
<b>CLASS</b> Class <b>X-372</b> Designer <b>N. JEPPESEN</b> Builder <b>X-YACHTS</b> Series <b>01/1987</b> Age Date <b>01/1987</b> Age Allowance <b>0.487%</b>			<b>IMS Division</b> <b>Cruiser/Racer</b> Dynamic All. <b>0.044%</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>1</b> Spinnakers <b>4</b>
<b>COMMENTS</b>			<b>IMSL</b> <b>8.942m</b> VCGD <b>-0.119m</b> Sink <b>16.75kg/mm</b> RL <b>7.608m</b> VCGM <b>0.013m</b> WS <b>23.19m²</b> <b>LSM0</b> <b>8.888m</b> Displacement/Length ratio <b>7.4617</b>		<b>Spinnaker configuration</b> Symmetric: <b>Yes</b> <b>89.86</b> Asymmetric: <b>No</b> Flying H/S: <b>No</b> Spin. Pole: <b>Yes</b>
<b>PROPELLER</b> Installation <b>Shaft exposed</b> PRD <b>0.412</b> Type <b>Feathering 2 blades</b> PBW <b>0.150</b> PIPA <b>0.0064</b>			<b>CENTERBOARD</b> <b>N/A</b>		<b>Stability (Measured)</b> Limit Positive Stab.: <b>115.9°</b> Stability Index: <b>115.3</b>
<b>SCORING OPTIONS</b>					
	Time on Distance	Time on Time			
Coastal or Long Distance	<b>634.9</b>	<b>0.9450</b>			
Circular Random	<b>652.1</b>	<b>0.9201</b>			
Predominantly Upwind	<b>632.0</b>	<b>0.9494</b>			
Predominantly Downwind	<b>588.8</b>	<b>1.0190</b>			
<b>Owner</b>					



Polar Plot for Boat	
Name	<b>EQUINOX</b>
Sail Number	<b>GRE-49167</b>
Class	<b>X-372</b>
Designer	<b>N. JEPPESEN</b>
Builder	<b>X-YACHTS</b>
Issued On	<b>17/06/2020 - VPP 2020 1.02</b>

# 2020

## Double Handed Certificate Appendix

<b>BOAT</b>	
Name	<b>EQUINOX</b>
Sail Nr	<b>GRE-49167</b>
Certificate Number	<b>00883</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>1061.5</b>	<b>891.1</b>	<b>803.2</b>	<b>765.5</b>	<b>751.2</b>	<b>746.0</b>	<b>754.8</b>
52°	<b>702.8</b>	<b>596.5</b>	<b>547.5</b>	<b>530.3</b>	<b>523.9</b>	<b>521.3</b>	<b>522.9</b>
60°	<b>668.4</b>	<b>570.4</b>	<b>532.5</b>	<b>516.6</b>	<b>509.7</b>	<b>506.4</b>	<b>505.8</b>
75°	<b>642.7</b>	<b>554.2</b>	<b>521.4</b>	<b>504.6</b>	<b>493.1</b>	<b>485.6</b>	<b>480.4</b>
90°	<b>649.2</b>	<b>556.3</b>	<b>520.3</b>	<b>501.1</b>	<b>486.5</b>	<b>473.9</b>	<b>455.2</b>
110°	<b>671.7</b>	<b>556.2</b>	<b>512.7</b>	<b>489.9</b>	<b>476.3</b>	<b>465.7</b>	<b>449.6</b>
120°	<b>687.5</b>	<b>566.0</b>	<b>516.2</b>	<b>490.4</b>	<b>468.2</b>	<b>450.3</b>	<b>431.1</b>
135°	<b>752.4</b>	<b>612.2</b>	<b>536.8</b>	<b>504.3</b>	<b>480.7</b>	<b>457.7</b>	<b>416.9</b>
150°	<b>883.5</b>	<b>703.3</b>	<b>595.7</b>	<b>533.5</b>	<b>504.1</b>	<b>481.9</b>	<b>439.2</b>
Run VMG	<b>1020.2</b>	<b>812.1</b>	<b>687.1</b>	<b>605.4</b>	<b>549.3</b>	<b>514.3</b>	<b>470.6</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1040.8</b>	<b>851.6</b>	<b>745.2</b>	<b>685.5</b>	<b>650.2</b>	<b>630.2</b>	<b>612.7</b>
Circular Random	<b>888.7</b>	<b>721.1</b>	<b>632.9</b>	<b>583.1</b>	<b>553.9</b>	<b>536.0</b>	<b>515.7</b>
Coastal / Long Distance	<b>1038.8</b>	<b>801.1</b>	<b>673.6</b>	<b>601.7</b>	<b>564.0</b>	<b>535.3</b>	<b>491.7</b>
Non Spinnaker	<b>940.8</b>	<b>757.9</b>	<b>660.0</b>	<b>603.8</b>	<b>570.0</b>	<b>549.0</b>	<b>525.0</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>42.0°</b>	<b>40.9°</b>	<b>41.3°</b>	<b>40.5°</b>	<b>39.8°</b>	<b>39.4°</b>	<b>40.1°</b>
Beat VMG	<b>3.39</b>	<b>4.04</b>	<b>4.48</b>	<b>4.70</b>	<b>4.79</b>	<b>4.83</b>	<b>4.77</b>
52°	<b>5.12</b>	<b>6.04</b>	<b>6.58</b>	<b>6.79</b>	<b>6.87</b>	<b>6.91</b>	<b>6.89</b>
60°	<b>5.39</b>	<b>6.31</b>	<b>6.76</b>	<b>6.97</b>	<b>7.06</b>	<b>7.11</b>	<b>7.12</b>
75°	<b>5.60</b>	<b>6.50</b>	<b>6.90</b>	<b>7.13</b>	<b>7.30</b>	<b>7.41</b>	<b>7.49</b>
90°	<b>5.55</b>	<b>6.47</b>	<b>6.92</b>	<b>7.18</b>	<b>7.40</b>	<b>7.60</b>	<b>7.91</b>
110°	<b>5.36</b>	<b>6.47</b>	<b>7.02</b>	<b>7.35</b>	<b>7.56</b>	<b>7.73</b>	<b>8.01</b>
120°	<b>5.24</b>	<b>6.36</b>	<b>6.97</b>	<b>7.34</b>	<b>7.69</b>	<b>7.99</b>	<b>8.35</b>
135°	<b>4.78</b>	<b>5.88</b>	<b>6.71</b>	<b>7.14</b>	<b>7.49</b>	<b>7.87</b>	<b>8.63</b>
150°	<b>4.07</b>	<b>5.12</b>	<b>6.04</b>	<b>6.75</b>	<b>7.14</b>	<b>7.47</b>	<b>8.20</b>
Run VMG	<b>3.53</b>	<b>4.43</b>	<b>5.24</b>	<b>5.95</b>	<b>6.55</b>	<b>7.00</b>	<b>7.65</b>
Gybe Angles	<b>146.0°</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>