



World Leader in Rating Technology

**2016  
ORC Club  
Certificate**

**Rating Office**  
PATRICIO D. GUTIERREZ  
C. GRIERSON Y  
COSTANERASUR  
Y.C.A



**Certificate**

Number **200202**  
Issued On **15/01/2016**  
ORC Ref **ARG00001508**  
VPP Ver. **2016 1.00**  
Valid until **31/12/2016**

**Crew Weight**

Declared **740kg**  
Default\* **765kg**  
Non Manual Pwr **No**

**Special Scoring**

ToD ToT  
Non Spin GPH **616,1 0,9739**  
Non Spin OSN **600,5 0,9992**  
N/S Perf. Line **111,6 0,892**

**Sails Limitations**

Headsails **7** Spinnakers **4**

**Spinnaker configuration**

Symmetric: **Yes 102,99**  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

**Class Division Length**

CDL = **10,135**

**Stability**

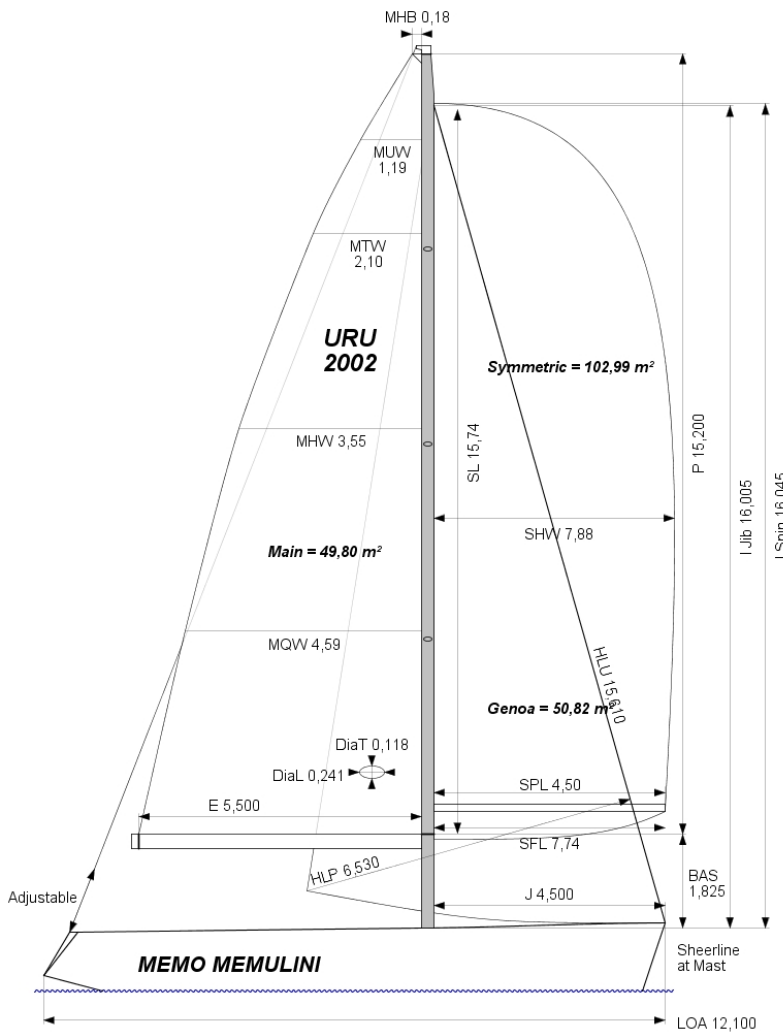
LPS (Estimated): **126,3°**  
Stability Index: **128,9**  
OSR Category: **N/A**

**Owner**

RICARDO FABINI  
RAMBLA ARMENDIA 3885  
MONTEVIDEO

I certify that I understand my responsibilities under ORC Rules and Regulations

Signature



|  |  |   |  |                      |                         |
|--|--|---|--|----------------------|-------------------------|
| <b>BOAT</b><br>Name <b>MEMO MEMULINI</b><br>Sail Nr <b>URU-2002</b>  |  | <b>GPH</b><br><b>595,4</b>  | <b>HULL</b><br>Data File <b>URU2002.dxt</b> LOA <b>12,100m</b><br>Offset File <b>MEMOnk2.OFF</b> MB <b>3,780m</b><br>Displacement <b>7.076kg</b> Draft <b>2,140m</b> |                      |                         |
| <b>CLASS</b><br>Class <b>IMX 40</b><br>Designer <b>N. JEPPESEN</b><br>Builder <b>X-YACHTS</b><br>Series <b>01/2000</b><br>Age Date <b>01/2002</b><br>Age Allowance <b>0,487%</b> |  | IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0,003%</b><br>Fwd Accom. <b>Yes</b> Construction <b>Cored</b><br>Fiber Rigging <b>No</b> Aramid Core <b>No</b><br>Crew Arm Ex Carbon Rudder <b>No</b><br>Light Stanchions |  |                      |                         |
| <b>COMMENTS</b>  |  | IMSL <b>10,774m</b> VCGD <b>-0,129m</b> Sink <b>22,08kg/mm</b><br>RL <b>9,495m</b> VCGM <b>-0,141m</b> WS <b>30,70m²</b><br>LSM0 <b>10,770m</b> Displacement/Length ratio <b>5,6642</b>                                     |  |                      |                         |
| <b>PROPELLER</b><br>Installation <b>Strut</b> PRD <b>0,430</b><br>Type <b>Folding 2 blades</b> PBW <b>0,108</b><br>PIPA <b>0,0031</b>  |  | <b>CENTERBOARD</b><br><b>N/A</b>  |  |                      |                         |
| <b>SCORING OPTIONS</b>   |  |   |  |                      |                         |
|  | <b>OFFSHORE</b><br>COASTAL / LONG DISTANCE |   | <b>INSHORE</b><br>WINDWARD / LEEWARD   |                      |                         |
| Time On Distance   | <b>579,7</b>                               |   | <b>648,4</b>   |                      |                         |
| Time On Time   | <b>1,0351</b>                              |   | <b>1,0410</b>  |                      |                         |
| Performance Line   | PLT<br><b>1,032</b>                        | PLD<br><b>163,3</b>   | PLT<br><b>0,857</b>  | PLD<br><b>187,2</b>  |                         |
| Triple Number  | Low<br><b>0,9826</b>                       | Medium<br><b>1,2815</b>   | High<br><b>1,4513</b>  | Low<br><b>0,7533</b> | Medium<br><b>1,0325</b> |
|  |  | High<br><b>1,4513</b>   | High<br><b>1,2085</b>  |                      |                         |



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# 2016

## ORC Club Certificate Appendix

| <b>BOAT</b> |                      |                    |                   |
|-------------|----------------------|--------------------|-------------------|
| Name        | <b>MEMO MEMULINI</b> | Certificate Number | <b>200202</b>     |
| Sail Nr     | <b>URU-2002</b>      | Issued On          | <b>15/01/2016</b> |

| <b>TIME ALLOWANCES</b> |               |              |              |              |              |              |              |
|------------------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Wind Velocity          | 6 kt          | 8 kt         | 10 kt        | 12 kt        | 14 kt        | 16 kt        | 20 kt        |
| Beat VMG               | <b>1004,3</b> | <b>834,0</b> | <b>732,7</b> | <b>685,3</b> | <b>661,5</b> | <b>647,2</b> | <b>636,7</b> |
| 52°                    | <b>650,1</b>  | <b>543,9</b> | <b>491,0</b> | <b>472,8</b> | <b>464,6</b> | <b>460,1</b> | <b>455,8</b> |
| 60°                    | <b>609,3</b>  | <b>514,1</b> | <b>475,2</b> | <b>458,9</b> | <b>451,1</b> | <b>446,2</b> | <b>441,4</b> |
| 75°                    | <b>574,1</b>  | <b>493,9</b> | <b>463,6</b> | <b>445,2</b> | <b>431,1</b> | <b>422,7</b> | <b>414,6</b> |
| 90°                    | <b>574,9</b>  | <b>494,5</b> | <b>464,3</b> | <b>445,0</b> | <b>426,9</b> | <b>410,3</b> | <b>390,4</b> |
| 110°                   | <b>620,7</b>  | <b>509,6</b> | <b>465,9</b> | <b>440,8</b> | <b>417,8</b> | <b>404,7</b> | <b>383,8</b> |
| 120°                   | <b>640,2</b>  | <b>523,4</b> | <b>472,6</b> | <b>446,7</b> | <b>422,7</b> | <b>398,8</b> | <b>368,6</b> |
| 135°                   | <b>710,4</b>  | <b>575,9</b> | <b>499,6</b> | <b>465,1</b> | <b>442,1</b> | <b>418,9</b> | <b>373,8</b> |
| 150°                   | <b>844,1</b>  | <b>667,8</b> | <b>563,6</b> | <b>498,3</b> | <b>466,0</b> | <b>444,1</b> | <b>401,3</b> |
| Run VMG                | <b>974,7</b>  | <b>771,1</b> | <b>650,4</b> | <b>570,0</b> | <b>515,7</b> | <b>477,1</b> | <b>433,1</b> |

| <b>Selected Courses</b> |              |              |              |              |              |              |              |
|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Windward / Leeward      | <b>989,5</b> | <b>802,6</b> | <b>691,6</b> | <b>627,6</b> | <b>588,6</b> | <b>562,1</b> | <b>534,9</b> |
| Circular Random         | <b>823,7</b> | <b>663,8</b> | <b>577,6</b> | <b>527,1</b> | <b>495,6</b> | <b>474,7</b> | <b>448,3</b> |
| Ocean for PCS           | <b>818,6</b> | <b>652,6</b> | <b>561,6</b> | <b>507,6</b> | <b>473,1</b> | <b>449,0</b> | <b>414,8</b> |
| Non Spinnaker           | <b>859,9</b> | <b>689,8</b> | <b>597,2</b> | <b>542,4</b> | <b>507,9</b> | <b>484,9</b> | <b>455,3</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>44,1°</b>  | <b>43,8°</b>  | <b>42,6°</b>  | <b>40,5°</b>  | <b>39,6°</b>  | <b>38,7°</b>  | <b>38,3°</b>  |
| Beat VMG   | <b>3,58</b>   | <b>4,32</b>   | <b>4,91</b>   | <b>5,25</b>   | <b>5,44</b>   | <b>5,56</b>   | <b>5,65</b>   |
| 52°  | <b>5,54</b>   | <b>6,62</b>   | <b>7,33</b>   | <b>7,62</b>   | <b>7,75</b>   | <b>7,82</b>   | <b>7,90</b>   |
| 60°  | <b>5,91</b>   | <b>7,00</b>   | <b>7,58</b>   | <b>7,85</b>   | <b>7,98</b>   | <b>8,07</b>   | <b>8,15</b>   |
| 75°  | <b>6,27</b>   | <b>7,29</b>   | <b>7,76</b>   | <b>8,09</b>   | <b>8,35</b>   | <b>8,52</b>   | <b>8,68</b>   |
| 90°  | <b>6,26</b>   | <b>7,28</b>   | <b>7,75</b>   | <b>8,09</b>   | <b>8,43</b>   | <b>8,77</b>   | <b>9,22</b>   |
| 110°   | <b>5,80</b>   | <b>7,06</b>   | <b>7,73</b>   | <b>8,17</b>   | <b>8,62</b>   | <b>8,90</b>   | <b>9,38</b>   |
| 120°   | <b>5,62</b>   | <b>6,88</b>   | <b>7,62</b>   | <b>8,06</b>   | <b>8,52</b>   | <b>9,03</b>   | <b>9,77</b>   |
| 135°   | <b>5,07</b>   | <b>6,25</b>   | <b>7,21</b>   | <b>7,74</b>   | <b>8,14</b>   | <b>8,59</b>   | <b>9,63</b>   |
| 150°   | <b>4,26</b>   | <b>5,39</b>   | <b>6,39</b>   | <b>7,23</b>   | <b>7,72</b>   | <b>8,11</b>   | <b>8,97</b>   |
| Run VMG  | <b>3,69</b>   | <b>4,67</b>   | <b>5,53</b>   | <b>6,32</b>   | <b>6,98</b>   | <b>7,54</b>   | <b>8,31</b>   |
| Gybe Angles  | <b>144,5°</b> | <b>149,2°</b> | <b>151,1°</b> | <b>155,6°</b> | <b>170,9°</b> | <b>180,0°</b> | <b>180,0°</b> |