



World Leader in Rating Technology

## 2018 ORC Club Certificate

### Rating Office

Hungarian Yachting Association  
Istvanmezei ut 1-3  
H-1146 Budapest  
HUNGARY



### Certificate

Number **002/18**  
Issued On **07/05/2018**  
ORC Ref **HUN10014098**  
VPP Ver. **2018 1.00**  
Valid until **31/12/2018**

### Crew Weight

Default 1,046kg  
Maximum **800kg**  
Minimum\* **600kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

### Special Scoring

|              | ToD          | ToT           |
|--------------|--------------|---------------|
| Non Spin GPH | <b>567.6</b> | <b>1.0571</b> |
| Non Spin OSN | <b>553.9</b> | <b>1.0833</b> |

### Sails Limitations

Headsails 7 Spinnakers **5**

**Spinnaker configuration**  
Symmetric: **No**  
Asymmetric: **Yes 179.91**  
Flying H/S: **No**  
Spin. Pole: **No**

### Class Division Length

**CDL = 12.153**

### Stability (Estimated)

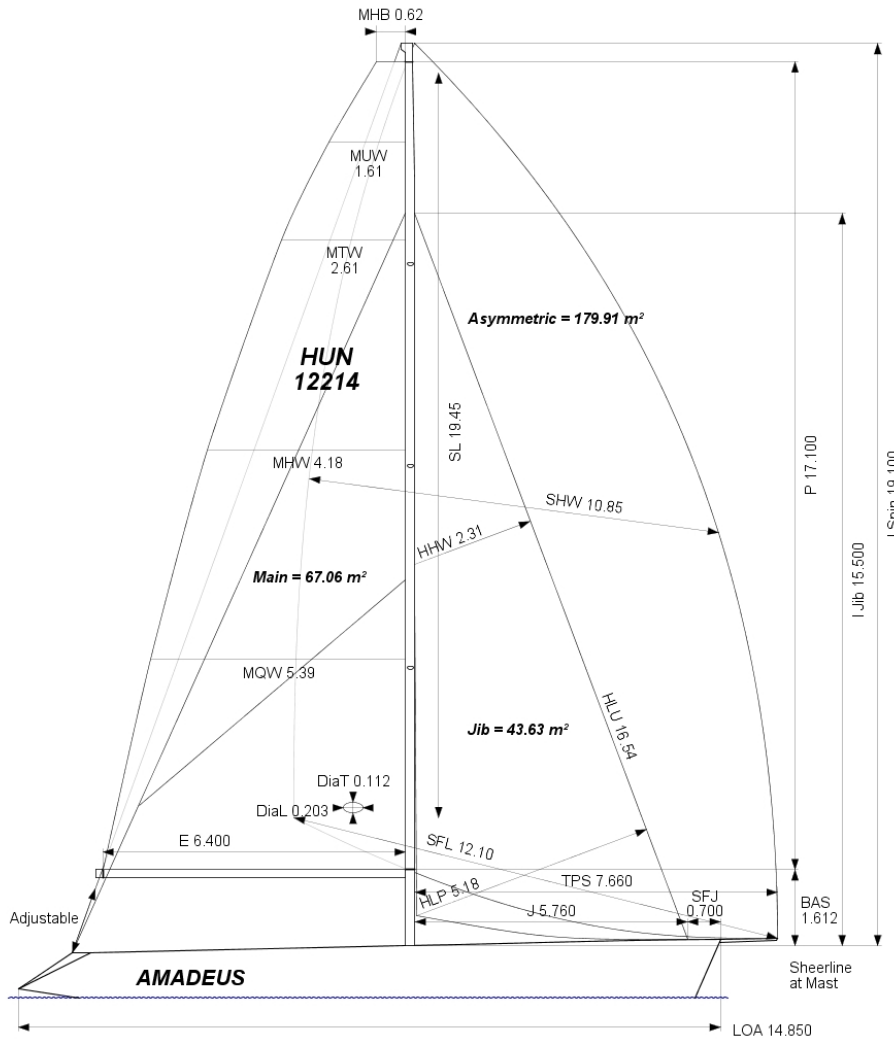
Limit Positive Stab.: **103.0°**  
Stability Index: **102.2**

### Owner

Dr. Tamás Bölcsvölgyi  
Barlang u. 12/b  
1025 Budapest  
HUNGARY

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

Signature



| BOAT                   |                                | GPH           |               | HULL                       |  |               |
|------------------------|--------------------------------|---------------|---------------|----------------------------|--|---------------|
| Name                   | <b>Amadeus</b>                 |               | <b>523.3</b>  | Data File                  | <b>HUN12224</b> LOA <b>14.850m</b>                             |               |
| Sail Nr                | <b>HUN-12214</b>               |               |               | Offset File                | <b>AMADEUS2.OFF</b> MB <b>3.986m</b>                           |               |
|                        |                                |               |               | Displacement               | <b>6,025kg</b> Draft <b>2.666m</b>                             |               |
| <b>CLASS</b>           |                                |               |               | IMS Division               | <b>Performance</b> Dynamic All. <b>0.056%</b>                  |               |
| Class                  | <b>Cori 45 mod.</b>            |               |               | Fwd Accom.                 | <b>No</b> Construction <b>Cored</b>                            |               |
| Designer               | <b>Paolo Cori</b>              |               |               | Fiber Rigging              | <b>No</b> Aramid Core <b>No</b>                                |               |
| Builder                | <b>Cobramarine</b>             |               |               | Crew Arm Ex                | <b>No</b> Carbon Rudder <b>No</b>                              |               |
| Series                 | <b>01/1991</b>                 |               |               | Light Stanchions <b>No</b> |  |               |
| Age Date               | <b>01/1991</b>                 |               |               | IMSL                       | <b>13.532m</b> VCGD <b>0.193m</b> Sink <b>26.65kg/mm</b>       |               |
| Age Allowance          | <b>0.487%</b>                  |               |               | RL                         | <b>10.771m</b> VCGM <b>0.189m</b> WS <b>34.47m<sup>2</sup></b> |               |
| <b>COMMENTS</b>        |                                |               |               | LSM0                       | <b>13.411m</b> Displacement/Length ratio <b>2.4979</b>         |               |
|                        |                                |               |               | Water Ballast              | <b>0</b> Trim Tab <b>No</b>                                    |               |
|                        |                                |               |               | BLR Index                  | <b>0.0000</b>  |               |
| <b>PROPELLER</b>       |                                |               |               | <b>CENTERBOARD</b>         |  |               |
| Installation           | <b>Strut</b>                   | PRD           | <b>0.432</b>  | <b>NA</b>                  |  |               |
| Type                   | <b>Solid 2 blades</b>          | PBW           | <b>0.113</b>  |                            |  |               |
|                        |                                | PIPA          | <b>0.0194</b> |                            |  |               |
| <b>SCORING OPTIONS</b> |                                |               |               |                            |  |               |
|                        | <b>COASTAL / LONG DISTANCE</b> |               |               | <b>WINDWARD / LEEWARD</b>  |  |               |
| Time on Distance       | <b>508.6</b>                   |               |               | <b>576.7</b>               |  |               |
| Time on Time           | <b>1.1797</b>                  |               |               | <b>1.1704</b>              |  |               |
| Triple Number          | Low                            | Medium        | High          | Low                        | Medium   | High          |
| Time on Distance       | <b>601.6</b>                   | <b>462.9</b>  | <b>407.3</b>  | <b>785.4</b>               | <b>582.0</b>   | <b>501.7</b>  |
| Time on Time           | <b>1.1220</b>                  | <b>1.4583</b> | <b>1.6573</b> | <b>0.8594</b>              | <b>1.1597</b>  | <b>1.3453</b> |



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# 2018

## ORC Club Certificate Appendix

| <b>BOAT</b>              |                                  |
|--------------------------|----------------------------------|
| Name <b>Amadeus</b>      | Certificate Number <b>002/18</b> |
| Sail Nr <b>HUN-12214</b> | Issued On <b>07/05/2018</b>      |

| <b>TIME ALLOWANCES</b> |              |              |              |              |              |              |              |
|------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Wind Velocity          | 6 kt         | 8 kt         | 10 kt        | 12 kt        | 14 kt        | 16 kt        | 20 kt        |
| Beat VMG               | <b>907.3</b> | <b>730.4</b> | <b>668.7</b> | <b>643.4</b> | <b>626.3</b> | <b>607.2</b> | <b>603.6</b> |
| 52°                    | <b>586.3</b> | <b>479.9</b> | <b>446.4</b> | <b>434.3</b> | <b>428.3</b> | <b>417.8</b> | <b>413.6</b> |
| 60°                    | <b>549.2</b> | <b>454.1</b> | <b>427.1</b> | <b>417.3</b> | <b>411.8</b> | <b>403.6</b> | <b>395.5</b> |
| 75°                    | <b>522.5</b> | <b>435.8</b> | <b>408.8</b> | <b>395.2</b> | <b>386.2</b> | <b>380.3</b> | <b>363.4</b> |
| 90°                    | <b>531.2</b> | <b>437.8</b> | <b>404.0</b> | <b>380.5</b> | <b>363.4</b> | <b>353.6</b> | <b>343.1</b> |
| 110°                   | <b>524.3</b> | <b>430.2</b> | <b>402.1</b> | <b>381.6</b> | <b>363.4</b> | <b>347.0</b> | <b>311.0</b> |
| 120°                   | <b>541.9</b> | <b>434.4</b> | <b>395.4</b> | <b>370.3</b> | <b>351.2</b> | <b>334.1</b> | <b>303.6</b> |
| 135°                   | <b>611.0</b> | <b>474.6</b> | <b>413.7</b> | <b>377.3</b> | <b>343.2</b> | <b>313.5</b> | <b>277.5</b> |
| 150°                   | <b>733.2</b> | <b>569.4</b> | <b>472.2</b> | <b>416.7</b> | <b>387.2</b> | <b>354.9</b> | <b>294.2</b> |
| Run VMG                | <b>846.6</b> | <b>657.5</b> | <b>545.3</b> | <b>482.9</b> | <b>447.1</b> | <b>409.9</b> | <b>339.7</b> |

| <b>Selected Courses</b> |              |              |              |              |              |              |              |
|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Windward / Leeward      | <b>876.9</b> | <b>694.0</b> | <b>607.0</b> | <b>563.1</b> | <b>536.7</b> | <b>508.5</b> | <b>471.6</b> |
| Circular Random         | <b>727.0</b> | <b>583.5</b> | <b>507.3</b> | <b>463.2</b> | <b>435.3</b> | <b>415.5</b> | <b>387.3</b> |
| Coastal / Long Distance | <b>873.9</b> | <b>650.0</b> | <b>543.8</b> | <b>484.1</b> | <b>449.5</b> | <b>416.2</b> | <b>367.1</b> |
| Non Spinnaker           | <b>807.5</b> | <b>640.6</b> | <b>549.3</b> | <b>494.6</b> | <b>459.4</b> | <b>435.3</b> | <b>404.9</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>42.6°</b>  | <b>41.2°</b>  | <b>40.9°</b>  | <b>40.5°</b>  | <b>39.9°</b>  | <b>41.0°</b>  |
| Beat VMG   | <b>3.97</b>   | <b>4.93</b>   | <b>5.38</b>   | <b>5.60</b>   | <b>5.75</b>   | <b>5.93</b>   | <b>5.96</b>   |
| 52°  | <b>6.14</b>   | <b>7.50</b>   | <b>8.06</b>   | <b>8.29</b>   | <b>8.41</b>   | <b>8.62</b>   | <b>8.70</b>   |
| 60°  | <b>6.56</b>   | <b>7.93</b>   | <b>8.43</b>   | <b>8.63</b>   | <b>8.74</b>   | <b>8.92</b>   | <b>9.10</b>   |
| 75°  | <b>6.89</b>   | <b>8.26</b>   | <b>8.81</b>   | <b>9.11</b>   | <b>9.32</b>   | <b>9.46</b>   | <b>9.91</b>   |
| 90°  | <b>6.78</b>   | <b>8.22</b>   | <b>8.91</b>   | <b>9.46</b>   | <b>9.91</b>   | <b>10.18</b>  | <b>10.49</b>  |
| 110°   | <b>6.87</b>   | <b>8.37</b>   | <b>8.95</b>   | <b>9.43</b>   | <b>9.91</b>   | <b>10.37</b>  | <b>11.57</b>  |
| 120°   | <b>6.64</b>   | <b>8.29</b>   | <b>9.11</b>   | <b>9.72</b>   | <b>10.25</b>  | <b>10.78</b>  | <b>11.86</b>  |
| 135°   | <b>5.89</b>   | <b>7.59</b>   | <b>8.70</b>   | <b>9.54</b>   | <b>10.49</b>  | <b>11.48</b>  | <b>12.97</b>  |
| 150°   | <b>4.91</b>   | <b>6.32</b>   | <b>7.62</b>   | <b>8.64</b>   | <b>9.30</b>   | <b>10.14</b>  | <b>12.24</b>  |
| Run VMG  | <b>4.25</b>   | <b>5.48</b>   | <b>6.60</b>   | <b>7.46</b>   | <b>8.05</b>   | <b>8.78</b>   | <b>10.60</b>  |
| Gybe Angles  | <b>141.6°</b> | <b>142.9°</b> | <b>145.5°</b> | <b>151.5°</b> | <b>149.7°</b> | <b>147.4°</b> | <b>146.4°</b> |