

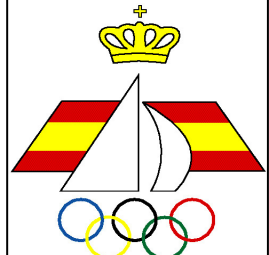


World Leader in Rating Technology

2019  
ORC Club  
Certificate

**Oficina de emisión**

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**Certificado**

Numero **622201**  
emitido **15/01/2019**  
ORC Ref **ESP00002228**  
VPP Ver. **2019 1.01**  
Valid hasta **31/12/2019**

**Peso de tripulación**

Default 652kg  
Maximum **150kg**  
Minimum\* **65kg**  
*\*when applied by the NoR and SI*  
Winches electrico **No**

**Special Scoring**

|              | ToD          | ToT           |
|--------------|--------------|---------------|
| Double H.GPH | <b>653,6</b> | <b>0,9181</b> |
| Double H.OSN | <b>637,5</b> | <b>0,9412</b> |
| Sin Spin GPH | <b>681,1</b> | <b>0,8809</b> |
| SIn Spin OSN | <b>664,5</b> | <b>0,9029</b> |

**Limites de velas**

Velas proa **1** Spinaker **3**  
**Dacron Sails**

**Configuración de Spinaker**

Simetrico **Si** **109,94**  
Asimetrico **No**  
Volante H/S: **No**  
Tangón **Si**

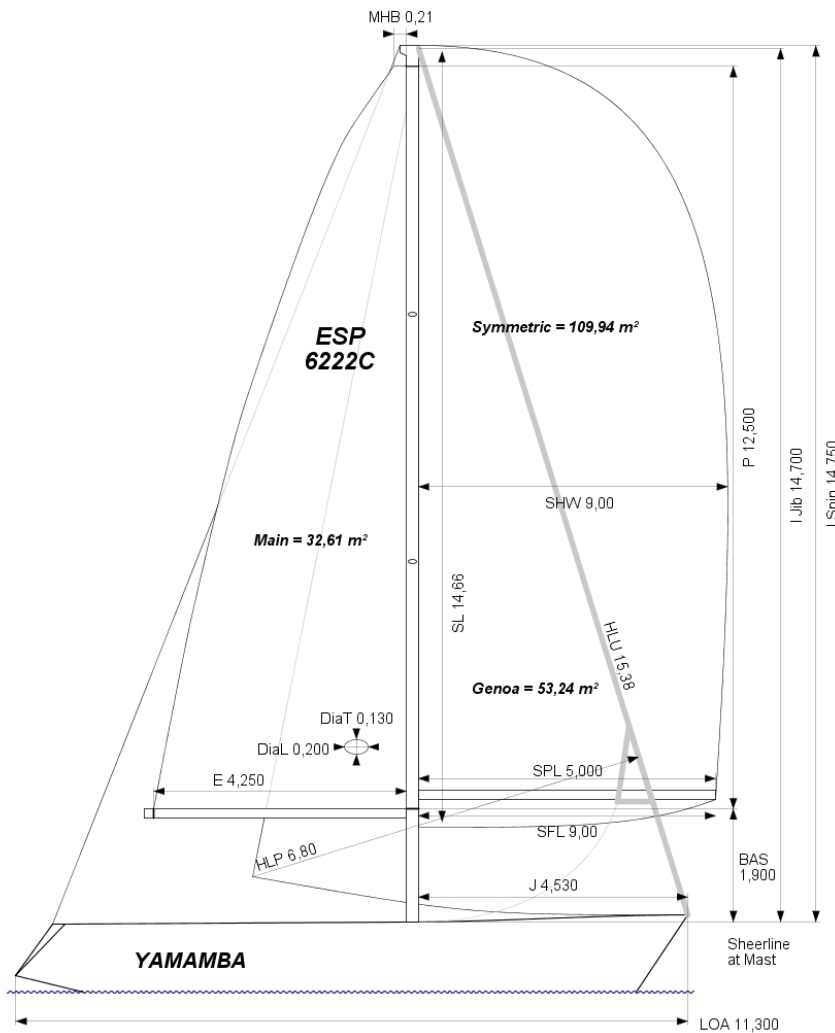
**Class division Length**

**CDL = 8,271**

**Stability (Estimated)**

Limit Positive Stab.: **126,7°**  
Indice de estabilidad **128,2**

**Armador**



|  |                            |   |
|--|----------------------------|---|
| <b>BARCO</b><br>Nombre <b>YAMAMBA</b><br>N. Vela <b>ESP-6222_C</b>   | <b>GPH</b><br><b>653,9</b> | <b>casco</b><br>Fichero dxt <b>E6222_C</b> LOA <b>11,300m</b><br>Fichero Casco <b>H190.BOF</b> MB <b>3,846m</b><br>Desplazamient <b>7.078kg</b> Calado <b>1,632m</b>  |
| <b>MODELO</b><br>Modelo <b>OCEANIS 390</b><br>Diseñador<br>Constructor <b>BENETEAU</b><br>Fecha de la Serie <b>05/1986</b><br>fecha de Botadura <b>01/1989</b><br>Bonificación <b>0,487%</b> |                            | IMS Division <b>Crucero/regat</b> Dynamyc All. <b>0,154%</b><br>Acom. Proa <b>Si</b> Construcción <b>solido</b><br>Aparejo Fibra <b>No</b> Nido de Abeja <b>No</b><br>Crew Arm Ex Timón Carbono <b>No</b><br>Pulpitos ligeros |
| <b>Comentario</b><br>MEDIDAS APAREJO ESTANDAR.   |                            | IMSL <b>9,674m</b> VCGD <b>-0,233m</b> Sink <b>20,16kg/mm</b><br>RL <b>6,867m</b> VCGM <b>-0,168m</b> WS <b>28,14m²</b><br>LSM0 <b>9,626m</b> Displacement/Length ratio <b>7,9355</b>   |
| <b>Helice</b><br>Instalación <b>Eje no expuesto</b> PRD <b>0,400</b><br>Tipo <b>Orientable 2 palas</b> PIPA <b>0,0007</b>  |                            | Tanque <b>0</b> Trim Tab <b>No</b><br>BLR Index <b>0,0000</b>   |
|  |                            | <b>CENTERBOARD</b><br><br><b>N/A</b>  |

| Opciones de clasificaciones | COSTERA/LARGA DISTANCIA |               |               | Barlovento/Sotavento |               |               |
|-----------------------------|-------------------------|---------------|---------------|----------------------|---------------|---------------|
|                             | Time on Distance        | <b>637,9</b>  |               |                      | <b>720,4</b>  |               |
| Time on Time                | <b>0,9406</b>           |               |               | <b>0,9370</b>        |               |               |
| Triple Number               | Bajo                    | Medio         | Alto          | Bajo                 | Medio         | Alto          |
| Time on Distance            | <b>745,7</b>            | <b>579,3</b>  | <b>525,1</b>  | <b>968,6</b>         | <b>724,5</b>  | <b>639,1</b>  |
| Time on Time                | <b>0,9052</b>           | <b>1,1651</b> | <b>1,2855</b> | <b>0,6969</b>        | <b>0,9317</b> | <b>1,0562</b> |



World Leader in Rating Technology

# 2019

## ORC Club Certificate Appendix

| <b>BARCO</b> |                   |                    |                   |
|--------------|-------------------|--------------------|-------------------|
| Nombre       | <b>YAMAMBA</b>    | Número certificado | <b>622201</b>     |
| N. Vela      | <b>ESP-6222_C</b> | emitido            | <b>15/01/2019</b> |

| <b>VPP S/M</b>          |               |              |              |              |              |              |              |
|-------------------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Velocidad del viento    | 6 kt          | 8 kt         | 10 kt        | 12 kt        | 14 kt        | 16 kt        | 20 kt        |
| Beat VMG                | <b>1130,4</b> | <b>944,2</b> | <b>852,4</b> | <b>805,8</b> | <b>785,3</b> | <b>779,1</b> | <b>792,5</b> |
| 52°                     | <b>723,7</b>  | <b>613,7</b> | <b>552,1</b> | <b>527,5</b> | <b>518,2</b> | <b>514,8</b> | <b>516,7</b> |
| 60°                     | <b>677,5</b>  | <b>576,6</b> | <b>526,1</b> | <b>506,6</b> | <b>498,8</b> | <b>495,1</b> | <b>494,2</b> |
| 75°                     | <b>640,5</b>  | <b>547,6</b> | <b>508,7</b> | <b>490,8</b> | <b>479,9</b> | <b>473,2</b> | <b>467,7</b> |
| 90°                     | <b>640,0</b>  | <b>544,8</b> | <b>504,2</b> | <b>484,7</b> | <b>471,0</b> | <b>459,5</b> | <b>441,9</b> |
| 110°                    | <b>662,8</b>  | <b>545,2</b> | <b>496,4</b> | <b>473,4</b> | <b>456,7</b> | <b>446,6</b> | <b>429,7</b> |
| 120°                    | <b>675,4</b>  | <b>553,4</b> | <b>499,1</b> | <b>473,7</b> | <b>453,2</b> | <b>434,2</b> | <b>412,9</b> |
| 135°                    | <b>737,5</b>  | <b>598,3</b> | <b>519,5</b> | <b>486,3</b> | <b>464,3</b> | <b>443,6</b> | <b>405,6</b> |
| 150°                    | <b>867,8</b>  | <b>690,6</b> | <b>582,5</b> | <b>516,4</b> | <b>486,5</b> | <b>465,8</b> | <b>427,2</b> |
| Run VMG                 | <b>1002,1</b> | <b>797,7</b> | <b>672,7</b> | <b>589,3</b> | <b>536,2</b> | <b>498,8</b> | <b>457,1</b> |
| <b>Recorridos</b>       |               |              |              |              |              |              |              |
| Barlovento/Sotavento    | <b>1066,2</b> | <b>871,0</b> | <b>762,6</b> | <b>697,5</b> | <b>660,8</b> | <b>638,9</b> | <b>624,8</b> |
| Circular random         | <b>896,4</b>  | <b>725,2</b> | <b>634,3</b> | <b>582,7</b> | <b>552,3</b> | <b>534,0</b> | <b>514,9</b> |
| Coastal / Long Distance | <b>1059,8</b> | <b>815,0</b> | <b>681,9</b> | <b>603,1</b> | <b>561,8</b> | <b>530,4</b> | <b>482,8</b> |
| Sin Spinaker            | <b>944,4</b>  | <b>759,6</b> | <b>660,2</b> | <b>602,6</b> | <b>568,1</b> | <b>546,8</b> | <b>523,7</b> |

| <b>Predicción de Velocidad en Nudos para Viento Real</b> |               |               |               |               |               |               |               |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Velocidad del viento                                     | 6 kt          | 8 kt          | 10 kt         | 12 kt         | 14 kt         | 16 kt         | 20 kt         |
| Beat Angles  | <b>45,6°</b>  | <b>43,9°</b>  | <b>44,3°</b>  | <b>44,5°</b>  | <b>44,0°</b>  | <b>43,8°</b>  | <b>44,7°</b>  |
| Beat VMG   | <b>3,18</b>   | <b>3,81</b>   | <b>4,22</b>   | <b>4,47</b>   | <b>4,58</b>   | <b>4,62</b>   | <b>4,54</b>   |
| 52°  | <b>4,97</b>   | <b>5,87</b>   | <b>6,52</b>   | <b>6,82</b>   | <b>6,95</b>   | <b>6,99</b>   | <b>6,97</b>   |
| 60°  | <b>5,31</b>   | <b>6,24</b>   | <b>6,84</b>   | <b>7,11</b>   | <b>7,22</b>   | <b>7,27</b>   | <b>7,28</b>   |
| 75°  | <b>5,62</b>   | <b>6,57</b>   | <b>7,08</b>   | <b>7,33</b>   | <b>7,50</b>   | <b>7,61</b>   | <b>7,70</b>   |
| 90°  | <b>5,62</b>   | <b>6,61</b>   | <b>7,14</b>   | <b>7,43</b>   | <b>7,64</b>   | <b>7,83</b>   | <b>8,15</b>   |
| 110°   | <b>5,43</b>   | <b>6,60</b>   | <b>7,25</b>   | <b>7,61</b>   | <b>7,88</b>   | <b>8,06</b>   | <b>8,38</b>   |
| 120°   | <b>5,33</b>   | <b>6,51</b>   | <b>7,21</b>   | <b>7,60</b>   | <b>7,94</b>   | <b>8,29</b>   | <b>8,72</b>   |
| 135°   | <b>4,88</b>   | <b>6,02</b>   | <b>6,93</b>   | <b>7,40</b>   | <b>7,75</b>   | <b>8,12</b>   | <b>8,88</b>   |
| 150°   | <b>4,15</b>   | <b>5,21</b>   | <b>6,18</b>   | <b>6,97</b>   | <b>7,40</b>   | <b>7,73</b>   | <b>8,43</b>   |
| Run VMG  | <b>3,59</b>   | <b>4,51</b>   | <b>5,35</b>   | <b>6,11</b>   | <b>6,71</b>   | <b>7,22</b>   | <b>7,87</b>   |
| Gybe Angle   | <b>146,1°</b> | <b>150,2°</b> | <b>149,4°</b> | <b>155,9°</b> | <b>172,7°</b> | <b>180,0°</b> | <b>180,0°</b> |