

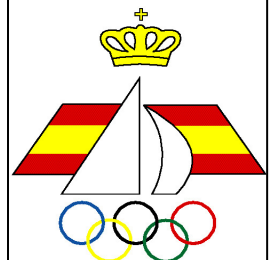


World Leader in Rating Technology

2016  
ORC Club  
Certificate

Oficina de Rating

R.F.E.V.  
Luis de salazar,9  
28002 Madrid



Certificado

Número **998301**  
Emitido el **04/02/2016**  
ORC Ref **ESP00015914**  
VPP ver. **2016 1.00**  
Válido **31/12/2016**

Peso de tripulación

Declarado **300kg**  
Defecto\* **497kg**  
Non Manual Pwr **No**

Special Scoring

|                | ToD          | ToT           |
|----------------|--------------|---------------|
| Double H.GPH   | <b>765,4</b> | <b>0,7839</b> |
| Double H.OSN   | <b>738,6</b> | <b>0,8124</b> |
| Non Spin GPH   | <b>765,1</b> | <b>0,7842</b> |
| Non Spin OSN   | <b>737,9</b> | <b>0,8132</b> |
| N/S Perf. Line | <b>54,6</b>  | <b>0,637</b>  |

Limitaciones en velas

Headsails **1** Spinnakers **0**  
V.de Dacron

Configuración de spinnaker

Symmetric: **No**  
Asimétrico: **No**  
Flying H/S: **No**  
Spin. Pole: **Sí**

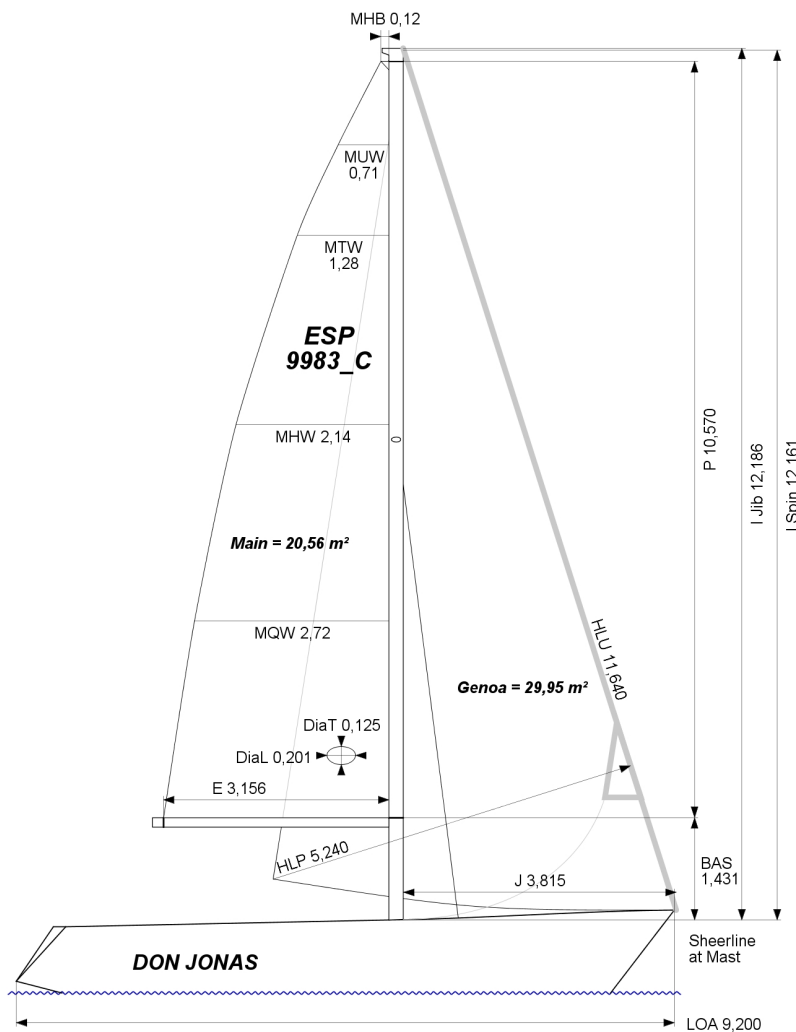
Class Division Length

CDL = **6,963**

Stability

LPS (Estimated): **125,0°**  
Stability Index: **124,1**  
OSR Category: **N/A**

Armador



| BARCO                     |                                       | GPH           |               | CASCO                             |                      |               |
|---------------------------|---------------------------------------|---------------|---------------|-----------------------------------|----------------------|---------------|
| Nombre                    | <b>DON JONAS</b>                      |               | <b>765,1</b>  | Data File                         | <b>E9983_C.dxt</b>   |               |
| Nº de                     | <b>ESP-9983_C</b>                     |               |               | LOA                               | <b>9,200m</b>        |               |
| CLASE                     |                                       |               |               | Fichero de                        | <b>GR0007.OFF</b>    |               |
| Clase                     | <b>JEANNEAU SYMPHONY</b>              |               |               | Desplazam.                        | <b>3.782kg</b>       |               |
| Diseñador                 | <b>JOUBERT/NIVELT</b>                 |               |               | IMS Division                      | <b>Crucero/Regat</b> |               |
| Astillero                 | <b>JEANNEAU</b>                       |               |               | Fwd Accom.                        | <b>Sí</b>            |               |
| Serie                     | <b>01/1979</b>                        |               |               | Jarcia PBO                        | <b>No</b>            |               |
| Fecha de botadura         | <b>01/1980</b>                        |               |               | Crew Arm Ex                       | <b>No</b>            |               |
| Compensación edad         | <b>0,488%</b>                         |               |               | Light Stanchions                  | <b>No</b>            |               |
| COMMENTS                  |                                       |               |               | IMSL                              | <b>7,874m</b>        |               |
|                           |                                       |               |               | VCGD                              | <b>-0,297m</b>       |               |
|                           |                                       |               |               | Sink                              | <b>14,10kg/mm</b>    |               |
|                           |                                       |               |               | RL                                | <b>6,051m</b>        |               |
|                           |                                       |               |               | VCGM                              | <b>-0,161m</b>       |               |
|                           |                                       |               |               | WS                                | <b>20,04m²</b>       |               |
|                           |                                       |               |               | LSM0                              | <b>7,960m</b>        |               |
|                           |                                       |               |               | Displacement/Length ratio         | <b>7,4986</b>        |               |
|                           |                                       |               |               | Water Ballast                     | <b>0</b>             |               |
|                           |                                       |               |               | Trim Tab                          | <b>No</b>            |               |
| PROPULSOR                 |                                       |               |               | CENTERBOARD                       |                      |               |
| Instalación               | <b>Shaft exposed</b>                  | PRD           | <b>0,357</b>  |                                   |                      |               |
| Tipo                      | <b>Fija 3 palas</b>                   | PBW           | <b>0,119</b>  | <b>N/A</b>                        |                      |               |
|                           |                                       | Área          | <b>0,0171</b> |                                   |                      |               |
| OPCIONES DE CLASIFICACIÓN |                                       |               |               |                                   |                      |               |
|                           | OFFSHORE<br>COSTERA / LARGA DISTANCIA |               |               | INSHORE<br>Barlovento / Sotavento |                      |               |
| Tiempo sobre Distan.      | <b>737,9</b>                          |               |               | <b>823,1</b>                      |                      |               |
| Tiempo sobre Tiempo       | <b>0,8132</b>                         |               |               | <b>0,8201</b>                     |                      |               |
| Performance Line          | PLT                                   | PLD           |               | PLT                               | PLD                  |               |
|                           | <b>0,637</b>                          | <b>54,6</b>   |               | <b>0,568</b>                      | <b>98,5</b>          |               |
| Triple número             | Flojo                                 | Medio         | Fuerte        | Flojo                             | Medio                | Fuerte        |
|                           | <b>0,7377</b>                         | <b>1,0100</b> | <b>1,1705</b> | <b>0,5644</b>                     | <b>0,8101</b>        | <b>0,9771</b> |



World Leader in Rating Technology

# 2016

## ORC Club Certificate Appendix

### BARCO

Nombre **DON JONAS**  
Nº de vela **ESP-9983\_C**

Nº de certificado **998301**  
Emitido el **04/02/2016**

### TIME ALLOWANCES

| Wind Velocity | 6 kt          | 8 kt          | 10 kt        | 12 kt        | 14 kt        | 16 kt        | 20 kt        |
|---------------|---------------|---------------|--------------|--------------|--------------|--------------|--------------|
| Beat VMG      | <b>1325,9</b> | <b>1083,9</b> | <b>950,3</b> | <b>858,4</b> | <b>814,7</b> | <b>796,8</b> | <b>792,9</b> |
| 52°           | <b>848,5</b>  | <b>704,2</b>  | <b>618,2</b> | <b>574,6</b> | <b>555,9</b> | <b>548,7</b> | <b>545,2</b> |
| 60°           | <b>790,5</b>  | <b>659,9</b>  | <b>587,4</b> | <b>555,9</b> | <b>539,5</b> | <b>530,8</b> | <b>526,0</b> |
| 75°           | <b>744,6</b>  | <b>623,3</b>  | <b>566,9</b> | <b>541,5</b> | <b>523,7</b> | <b>509,1</b> | <b>492,7</b> |
| 90°           | <b>749,3</b>  | <b>627,7</b>  | <b>569,4</b> | <b>543,5</b> | <b>524,8</b> | <b>504,4</b> | <b>478,1</b> |
| 110°          | <b>828,2</b>  | <b>678,4</b>  | <b>592,6</b> | <b>554,2</b> | <b>531,5</b> | <b>511,4</b> | <b>471,8</b> |
| 120°          | <b>887,7</b>  | <b>720,0</b>  | <b>619,2</b> | <b>566,7</b> | <b>540,2</b> | <b>519,6</b> | <b>479,5</b> |
| 135°          | <b>1014,7</b> | <b>798,7</b>  | <b>678,9</b> | <b>600,1</b> | <b>559,5</b> | <b>536,1</b> | <b>496,4</b> |
| 150°          | <b>1173,2</b> | <b>900,7</b>  | <b>751,7</b> | <b>655,1</b> | <b>590,2</b> | <b>555,3</b> | <b>514,0</b> |
| Run VMG       | <b>1348,5</b> | <b>1025,5</b> | <b>842,1</b> | <b>726,7</b> | <b>644,4</b> | <b>588,0</b> | <b>534,1</b> |

### Selected Courses

|                    |               |               |              |              |              |              |              |
|--------------------|---------------|---------------|--------------|--------------|--------------|--------------|--------------|
| Windward / Leeward | <b>1337,2</b> | <b>1054,7</b> | <b>896,2</b> | <b>792,6</b> | <b>729,6</b> | <b>692,4</b> | <b>663,5</b> |
| Circular Random    | <b>1087,9</b> | <b>863,9</b>  | <b>740,2</b> | <b>666,3</b> | <b>620,2</b> | <b>590,7</b> | <b>556,6</b> |
| Ocean for PCS      | <b>1147,6</b> | <b>886,9</b>  | <b>739,3</b> | <b>649,8</b> | <b>593,6</b> | <b>557,0</b> | <b>512,7</b> |
| Non Spinnaker      | <b>1087,9</b> | <b>863,9</b>  | <b>740,2</b> | <b>666,3</b> | <b>620,2</b> | <b>590,7</b> | <b>556,6</b> |

### Velocity Prediction in Knots for True Wind Speeds

| Wind Velocity | 6 kt          | 8 kt          | 10 kt         | 12 kt         | 14 kt         | 16 kt         | 20 kt         |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Beat Angles   | <b>45,1°</b>  | <b>43,6°</b>  | <b>43,5°</b>  | <b>42,8°</b>  | <b>41,4°</b>  | <b>41,4°</b>  | <b>41,8°</b>  |
| Beat VMG      | <b>2,72</b>   | <b>3,32</b>   | <b>3,79</b>   | <b>4,19</b>   | <b>4,42</b>   | <b>4,52</b>   | <b>4,54</b>   |
| 52°           | <b>4,24</b>   | <b>5,11</b>   | <b>5,82</b>   | <b>6,27</b>   | <b>6,48</b>   | <b>6,56</b>   | <b>6,60</b>   |
| 60°           | <b>4,55</b>   | <b>5,46</b>   | <b>6,13</b>   | <b>6,48</b>   | <b>6,67</b>   | <b>6,78</b>   | <b>6,84</b>   |
| 75°           | <b>4,84</b>   | <b>5,78</b>   | <b>6,35</b>   | <b>6,65</b>   | <b>6,87</b>   | <b>7,07</b>   | <b>7,31</b>   |
| 90°           | <b>4,80</b>   | <b>5,74</b>   | <b>6,32</b>   | <b>6,62</b>   | <b>6,86</b>   | <b>7,14</b>   | <b>7,53</b>   |
| 110°          | <b>4,35</b>   | <b>5,31</b>   | <b>6,07</b>   | <b>6,50</b>   | <b>6,77</b>   | <b>7,04</b>   | <b>7,63</b>   |
| 120°          | <b>4,06</b>   | <b>5,00</b>   | <b>5,81</b>   | <b>6,35</b>   | <b>6,66</b>   | <b>6,93</b>   | <b>7,51</b>   |
| 135°          | <b>3,55</b>   | <b>4,51</b>   | <b>5,30</b>   | <b>6,00</b>   | <b>6,43</b>   | <b>6,72</b>   | <b>7,25</b>   |
| 150°          | <b>3,07</b>   | <b>4,00</b>   | <b>4,79</b>   | <b>5,50</b>   | <b>6,10</b>   | <b>6,48</b>   | <b>7,00</b>   |
| Run VMG       | <b>2,67</b>   | <b>3,51</b>   | <b>4,28</b>   | <b>4,95</b>   | <b>5,59</b>   | <b>6,12</b>   | <b>6,74</b>   |
| Gybe Angles   | <b>158,3°</b> | <b>165,6°</b> | <b>170,5°</b> | <b>172,9°</b> | <b>173,8°</b> | <b>177,3°</b> | <b>179,2°</b> |