

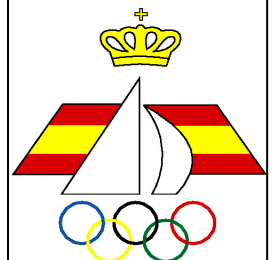


World Leader in Rating Technology

2016  
ORC Club  
Certificate

Oficina de Rating

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



Certificado

Número 969201  
Emitido el 11/02/2016  
ORC Ref ESP00016061  
VPP ver. 2016 1.00  
Válido 31/12/2016

Peso de tripulación

Declarado 476kg  
Defecto\* 476kg  
Non Manual Pwr No

Special Scoring

	ToD	ToT
Double H.GPH	742,5	0,8081
Double H.OSN	716,7	0,8371
Non Spin GPH	772,4	0,7768
Non Spin OSN	744,9	0,8055
N/S Perf. Line	35,0	0,610

Limitaciones en velas

Headsails 1 Spinnakers 3  
V.de Dacron

Configuración de spinnaker

Symmetric: Sí 59,52  
Asimétrico No  
Flying H/S: No  
Spin. Pole: Sí

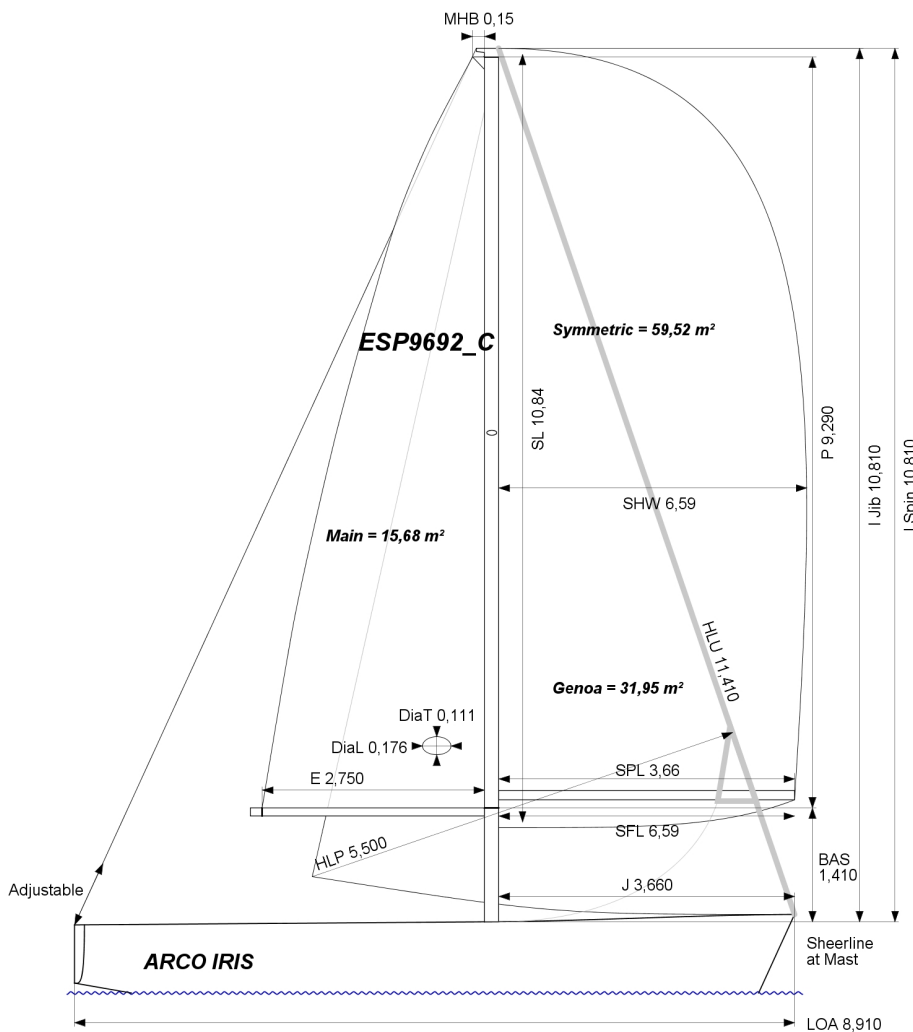
Class Division Length

CDL = 6,842

Stability

LPS (Estimated): 125,1°  
Stability Index: 121,6  
OSR Category: N/A

Armador



BARCO	GPH	CASCO
Nombre <b>ARCO IRIS</b> Nº de <b>ESP9692_C</b>	<b>743,4</b>	Data File <b>E9692_C.dxt</b> LOA <b>8,910m</b> Fichero de <b>HC23501.off</b> MangaM <b>3,028m</b> Desplazam. <b>2.920kg</b> Calado <b>1,711m</b>
<b>CLASE</b> Clase <b>NAJA 30</b> Diseñador <b>S LANGEVIN</b> Astillero <b>WHISSTOCKS BOATYAR</b> Serie <b>01/1978</b> Fecha de botadura <b>01/1981</b> Compensación edad <b>0,488%</b>		IMS Division <b>Crucero/Regat</b> Dynamic All. <b>0,350%</b> Fwd Accom. <b>Sí</b> Construction <b>Solido</b> Jarcia PBO <b>No</b> Aramid Core <b>No</b> Crew Arm Ex Timón carbono <b>No</b> Light Stanchions
<b>COMMENTS</b> MEDIDAS ESTIMADAS.		IMSL <b>7,824m</b> VCGD <b>-0,354m</b> Sink <b>12,76kg/mm</b> RL <b>5,859m</b> VCGM <b>-0,255m</b> WS <b>18,31m<sup>2</sup></b> LSM0 <b>7,724m</b> Displacement/Length ratio <b>6,3366</b>
<b>PROPULSOR</b> Instalación <b>Shaft exposed</b> PRD <b>0,360</b> Tipo <b>Fija 3 palas</b> Área <b>0,0162</b>		Water Ballast <b>0</b> Trim Tab <b>No</b>
		<b>CENTERBOARD</b> N/A

OPCIONES DE CLASIFICACIÓN	OFFSHORE COSTERA / LARGA DISTANCIA			INSHORE Barlovento / Sotavento		
	Tiempo sobre Distan.	<b>717,9</b>			<b>804,4</b>	
Tiempo sobre Tiempo	<b>0,8357</b>			<b>0,8391</b>		
Performance Line	PLT <b>0,721</b>	PLD <b>82,7</b>		PLT <b>0,566</b>	PLD <b>84,7</b>	
Triple número	Flojo <b>0,7559</b>	Medio <b>1,0387</b>	Fuerte <b>1,2238</b>	Flojo <b>0,5773</b>	Medio <b>0,8272</b>	Fuerte <b>1,0120</b>



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# 2016

## ORC Club Certificate Appendix

### BARCO

Nombre **ARCO IRIS**  
 N° de vela **ESP9692\_C**

N° de certificado **969201**  
 Emitido el **11/02/2016**

### TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1378,6</b>	<b>1117,0</b>	<b>971,6</b>	<b>872,3</b>	<b>805,1</b>	<b>776,8</b>	<b>761,7</b>
52°	<b>875,1</b>	<b>717,9</b>	<b>627,4</b>	<b>576,7</b>	<b>550,0</b>	<b>538,5</b>	<b>531,5</b>
60°	<b>809,7</b>	<b>669,5</b>	<b>591,9</b>	<b>555,6</b>	<b>533,3</b>	<b>518,8</b>	<b>509,0</b>
75°	<b>756,0</b>	<b>628,3</b>	<b>567,2</b>	<b>538,9</b>	<b>516,8</b>	<b>496,5</b>	<b>473,4</b>
90°	<b>758,4</b>	<b>630,6</b>	<b>569,1</b>	<b>534,4</b>	<b>511,0</b>	<b>496,4</b>	<b>461,7</b>
110°	<b>787,4</b>	<b>635,6</b>	<b>562,1</b>	<b>528,0</b>	<b>498,2</b>	<b>470,2</b>	<b>437,8</b>
120°	<b>814,3</b>	<b>652,5</b>	<b>570,4</b>	<b>533,8</b>	<b>504,4</b>	<b>476,2</b>	<b>424,0</b>
135°	<b>913,8</b>	<b>718,8</b>	<b>605,1</b>	<b>553,8</b>	<b>524,0</b>	<b>496,0</b>	<b>445,2</b>
150°	<b>1063,6</b>	<b>825,4</b>	<b>683,8</b>	<b>596,2</b>	<b>552,7</b>	<b>525,4</b>	<b>475,3</b>
Run VMG	<b>1228,2</b>	<b>953,0</b>	<b>789,2</b>	<b>683,1</b>	<b>611,7</b>	<b>563,9</b>	<b>510,6</b>

### Selected Courses

Windward / Leeward	<b>1303,4</b>	<b>1035,0</b>	<b>880,4</b>	<b>777,7</b>	<b>708,4</b>	<b>670,3</b>	<b>636,1</b>
Circular Random	<b>1060,9</b>	<b>841,4</b>	<b>719,4</b>	<b>645,3</b>	<b>597,9</b>	<b>566,2</b>	<b>527,6</b>
Ocean for PCS	<b>1051,1</b>	<b>822,1</b>	<b>693,6</b>	<b>615,5</b>	<b>565,4</b>	<b>530,8</b>	<b>483,1</b>
Non Spinnaker	<b>1110,5</b>	<b>877,3</b>	<b>746,9</b>	<b>667,4</b>	<b>616,5</b>	<b>582,8</b>	<b>542,4</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>46,0°</b>	<b>44,6°</b>	<b>44,2°</b>	<b>43,6°</b>	<b>42,0°</b>	<b>40,8°</b>	<b>40,1°</b>
Beat VMG	<b>2,61</b>	<b>3,22</b>	<b>3,71</b>	<b>4,13</b>	<b>4,47</b>	<b>4,63</b>	<b>4,73</b>
52°	<b>4,11</b>	<b>5,01</b>	<b>5,74</b>	<b>6,24</b>	<b>6,55</b>	<b>6,69</b>	<b>6,77</b>
60°	<b>4,45</b>	<b>5,38</b>	<b>6,08</b>	<b>6,48</b>	<b>6,75</b>	<b>6,94</b>	<b>7,07</b>
75°	<b>4,76</b>	<b>5,73</b>	<b>6,35</b>	<b>6,68</b>	<b>6,97</b>	<b>7,25</b>	<b>7,60</b>
90°	<b>4,75</b>	<b>5,71</b>	<b>6,33</b>	<b>6,74</b>	<b>7,05</b>	<b>7,25</b>	<b>7,80</b>
110°	<b>4,57</b>	<b>5,66</b>	<b>6,40</b>	<b>6,82</b>	<b>7,23</b>	<b>7,66</b>	<b>8,22</b>
120°	<b>4,42</b>	<b>5,52</b>	<b>6,31</b>	<b>6,74</b>	<b>7,14</b>	<b>7,56</b>	<b>8,49</b>
135°	<b>3,94</b>	<b>5,01</b>	<b>5,95</b>	<b>6,50</b>	<b>6,87</b>	<b>7,26</b>	<b>8,09</b>
150°	<b>3,38</b>	<b>4,36</b>	<b>5,26</b>	<b>6,04</b>	<b>6,51</b>	<b>6,85</b>	<b>7,57</b>
Run VMG	<b>2,93</b>	<b>3,78</b>	<b>4,56</b>	<b>5,27</b>	<b>5,88</b>	<b>6,38</b>	<b>7,05</b>
Gybe Angles	<b>147,6°</b>	<b>150,4°</b>	<b>150,8°</b>	<b>155,7°</b>	<b>173,4°</b>	<b>180,0°</b>	<b>180,0°</b>