

<b>BOAT</b> Name <b>FEHURIHI</b> Sail Nr <b>ESP-5291</b>	<b>GPH</b> <b>719,9</b>	<b>HULL</b> Length Overall <b>8,990m</b> Maximum Beam <b>3,248m</b> Displacement <b>4.091kg</b> Draft <b>1,770m</b> IMS Reg. Division <b>Cruiser/Racer</b> Dynamic Allowance <b>0,465%</b> Fwd Accommodation <b>Yes</b> Hull Construction <b>Solid</b> Carbon Rudder <b>No</b> Crew Arm Extension
<b>GENERAL</b> Class <b>RO 300</b> Designer <b>J. VISIERS</b> Builder <b>RONAUTICA</b> Series <b>12/1989</b> Age <b>06/1999</b> Age Allowance <b>0,488%</b> Offset File <b>ro300B.off - 20/02/2014 12:13:18</b> Measurement by <b>CHGD/MGD/JJBELTRAN - 13/01/2012</b>		IMSL <b>7,995m</b> VCGD <b>0,096m</b> Sink <b>14,19kg/mm</b> RL <b>6,375m</b> VCGM <b>0,046m</b> WS <b>19,40m<sup>2</sup></b> LSM0 <b>7,929m</b> Displacement/Length ratio <b>8,2068</b>



**2016**  
ORC International  
Certificate

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



SCORING OPTIONS	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
	PLT	PLD		PLT	PLD	
Time On Distance	<b>698,1</b>			<b>775,6</b>		
Time On Time	<b>0,8594</b>			<b>0,8703</b>		
Performance Line	<b>0,820</b>	<b>143,4</b>		<b>0,677</b>	<b>155,7</b>	
Triple Number	Low <b>0,8078</b>	Medium <b>1,0618</b>	High <b>1,2090</b>	Low <b>0,6246</b>	Medium <b>0,8595</b>	High <b>1,0194</b>

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1243,9</b>	<b>1035,1</b>	<b>919,0</b>	<b>836,3</b>	<b>790,9</b>	<b>770,6</b>	<b>758,3</b>
52°	<b>808,7</b>	<b>683,6</b>	<b>608,4</b>	<b>571,9</b>	<b>554,3</b>	<b>546,0</b>	<b>540,3</b>
60°	<b>761,3</b>	<b>645,1</b>	<b>583,5</b>	<b>556,3</b>	<b>540,6</b>	<b>530,3</b>	<b>522,9</b>
75°	<b>723,5</b>	<b>614,6</b>	<b>566,5</b>	<b>544,0</b>	<b>527,4</b>	<b>513,1</b>	<b>493,4</b>
90°	<b>728,8</b>	<b>617,8</b>	<b>560,6</b>	<b>535,1</b>	<b>523,0</b>	<b>512,3</b>	<b>484,2</b>
110°	<b>736,7</b>	<b>610,4</b>	<b>557,4</b>	<b>531,1</b>	<b>507,4</b>	<b>485,2</b>	<b>465,1</b>
120°	<b>759,0</b>	<b>626,9</b>	<b>564,6</b>	<b>537,0</b>	<b>514,3</b>	<b>490,8</b>	<b>451,5</b>
135°	<b>842,0</b>	<b>690,8</b>	<b>594,4</b>	<b>554,2</b>	<b>530,3</b>	<b>508,0</b>	<b>465,1</b>
150°	<b>987,9</b>	<b>783,3</b>	<b>664,2</b>	<b>587,5</b>	<b>552,9</b>	<b>530,7</b>	<b>488,8</b>
Run VMG	<b>1140,7</b>	<b>902,9</b>	<b>764,3</b>	<b>666,1</b>	<b>598,1</b>	<b>559,9</b>	<b>516,6</b>

Selected Courses							
Windward / Leeward	<b>1192,3</b>	<b>969,0</b>	<b>841,6</b>	<b>751,2</b>	<b>694,5</b>	<b>665,3</b>	<b>637,5</b>
Circular Random	<b>999,7</b>	<b>804,5</b>	<b>698,3</b>	<b>635,3</b>	<b>596,1</b>	<b>570,5</b>	<b>539,3</b>
Ocean for PCS	<b>1003,2</b>	<b>797,3</b>	<b>682,9</b>	<b>614,0</b>	<b>570,5</b>	<b>541,1</b>	<b>500,7</b>
Non Spinnaker	<b>1050,5</b>	<b>840,7</b>	<b>725,5</b>	<b>656,7</b>	<b>613,5</b>	<b>585,3</b>	<b>551,2</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>43,7°</b>	<b>41,9°</b>	<b>42,0°</b>	<b>41,5°</b>	<b>40,1°</b>	<b>38,8°</b>	<b>38,7°</b>
Beat VMG	<b>2,89</b>	<b>3,48</b>	<b>3,92</b>	<b>4,30</b>	<b>4,55</b>	<b>4,67</b>	<b>4,75</b>
52°	<b>4,45</b>	<b>5,27</b>	<b>5,92</b>	<b>6,29</b>	<b>6,49</b>	<b>6,59</b>	<b>6,66</b>
60°	<b>4,73</b>	<b>5,58</b>	<b>6,17</b>	<b>6,47</b>	<b>6,66</b>	<b>6,79</b>	<b>6,89</b>
75°	<b>4,98</b>	<b>5,86</b>	<b>6,35</b>	<b>6,62</b>	<b>6,83</b>	<b>7,02</b>	<b>7,30</b>
90°	<b>4,94</b>	<b>5,83</b>	<b>6,42</b>	<b>6,73</b>	<b>6,88</b>	<b>7,03</b>	<b>7,43</b>
110°	<b>4,89</b>	<b>5,90</b>	<b>6,46</b>	<b>6,78</b>	<b>7,10</b>	<b>7,42</b>	<b>7,74</b>
120°	<b>4,74</b>	<b>5,74</b>	<b>6,38</b>	<b>6,70</b>	<b>7,00</b>	<b>7,33</b>	<b>7,97</b>
135°	<b>4,28</b>	<b>5,21</b>	<b>6,06</b>	<b>6,50</b>	<b>6,79</b>	<b>7,09</b>	<b>7,74</b>
150°	<b>3,64</b>	<b>4,60</b>	<b>5,42</b>	<b>6,13</b>	<b>6,51</b>	<b>6,78</b>	<b>7,37</b>
Run VMG	<b>3,16</b>	<b>3,99</b>	<b>4,71</b>	<b>5,40</b>	<b>6,02</b>	<b>6,43</b>	<b>6,97</b>
Gybe Angles	<b>147,9°</b>	<b>152,4°</b>	<b>153,6°</b>	<b>160,0°</b>	<b>180,0°</b>	<b>180,0°</b>	<b>180,0°</b>

**Certificate**  
Number **529101**  
ORC Ref **ESP00016187**  
Issued On **17/02/2016**  
VPP Ver. **2016 1.00**  
Valid until **31/12/2016**

**Crew Weight**  
Declared **400kg**  
Default\* **494kg**  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Double H.GPH	<b>721,8</b>	<b>0,8312</b>
Double H.OSN	<b>700,8</b>	<b>0,8561</b>
Non Spin GPH	<b>748,7</b>	<b>0,8014</b>
Non Spin OSN	<b>723,5</b>	<b>0,8293</b>
N/S Perf. Line	<b>79,7</b>	<b>0,681</b>

**Sails Limitations**

Headsails	Spinnakers
<b>5</b>	<b>3</b>

**Class Division Length**  
CDL = **7,186**

**Storm Sails Areas**

Heavy Weather Jib	<b>16,29</b>
Storm Jib (JL=7,14)	<b>6,03</b>
Storm Triesail	<b>6,69</b>

**Owner**

<b>BOAT</b>	
Name <b>FEHURIHI</b>	Sail Nr <b>ESP-5291</b>
File <b>E5291.dxt</b>	Data in <b>meters/kilograms</b>

<b>INCLINING TEST AND FREEBOARDS</b>		
Inclining Test <b>Current Inclining</b>		
Flotation date <b>13/01/2012</b>		SG <b>1,0270</b>
FFM <b>1,075</b>	FF <b>1,076</b>	SFFP <b>0,766</b>
FAM <b>0,898</b>	FA <b>0,906</b>	SAFP <b>8,096</b>
W1 <b>52,000</b>	PD1 <b>580,6</b>	WD <b>10,410</b>
W2 <b>52,000</b>	PD2 <b>579,3</b>	GSA <b>1,0</b>
W3 <b>52,000</b>	PD3 <b>582,9</b>	RSA <b>1,0</b>
W4 <b>52,000</b>	PD4 <b>587,9</b>	PLM <b>9000,0</b>
LCF from stem on CL / on sheer		<b>5,055 / 5,305</b>
Maximum beam station from stem		<b>5,162</b>
RM Measured		<b>73,2kg·m</b>
RM Default		<b>68,1kg·m</b>
Limit of positive stability / Stab.Index		<b>113,0° / 112,1</b>
Freeboard at mast at 3,420		<b>0,965</b>



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## 2016 Measurements Datasheet

<b>RIG</b>				
Forestay Tension <b>Aft</b>	Spreaders <b>2</b>			
Inner Stay <b>None Fitted</b>	Runners <b>0</b>			
Carbon Mast <b>No</b>	Jumper Struts <b>None</b>			
Taper Hollows <b>No</b>	Jib Furler <b>No</b>			
Fiber Rigging <b>No</b>	Main Furler <b>No</b>			
Lenticular Rigging <b>No</b>	Without Backstay <b>No</b>			
Articulated Bowsprit <b>No</b>				
P <b>10,830</b>	E <b>3,530</b>	MDT1 <b>0,102</b>	MW <b>0,155</b>	
IG <b>10,920</b>	J <b>3,420</b>	MDL1 <b>0,155</b>	GO <b>0,175</b>	
ISP <b>10,920</b>	SFJ	MDT2 <b>0,102</b>	BD <b>0,120</b>	
BAS <b>1,490</b>	SPL <b>3,690</b>	MDL2 <b>0,155</b>	MWT	
FSP <b>0,072</b>	TPS	TL <b>0,700</b>	MCG	

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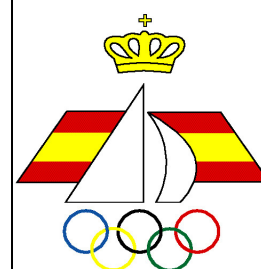
<b>MIZZEN RIG AND SAILS</b>	
N/A	

<b>PROPELLER</b>		
Installation <b>Strut</b>	PRD <b>0,430</b>	
Type <b>Folding 2 blades</b>	PBW <b>0,105</b>	
Twin Screw <b>No</b>	PIPA <b>0,0034</b>	
ST1 <b>0,048</b>	ST3 <b>0,170</b>	ST5 <b>0,360</b>
ST2 <b>0,170</b>	ST4 <b>0,098</b>	EDL <b>0,750</b>

<b>COMMENTS</b>	

<b>MOVEABLE BALLAST</b>	
N/A	

<b>CENTERBOARD</b>	
N/A	



<b>SAILS (Maximum Areas)</b>									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0,125	0,62	1,19	2,16	2,93	21,90	22,19	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL	59,24		SL · (SFL + 4·SHW) / 6	
	10,95	10,95	10,95	6,50	6,46				
Asymmetric Not Available									

<b>HEADSAILS</b>												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0,09	0,62	1,20	2,41	3,70	5,00	10,65	26,25			27/09/2011	Unknow	
0,08	0,60	1,13	2,26	3,45	4,68	10,13	23,38					

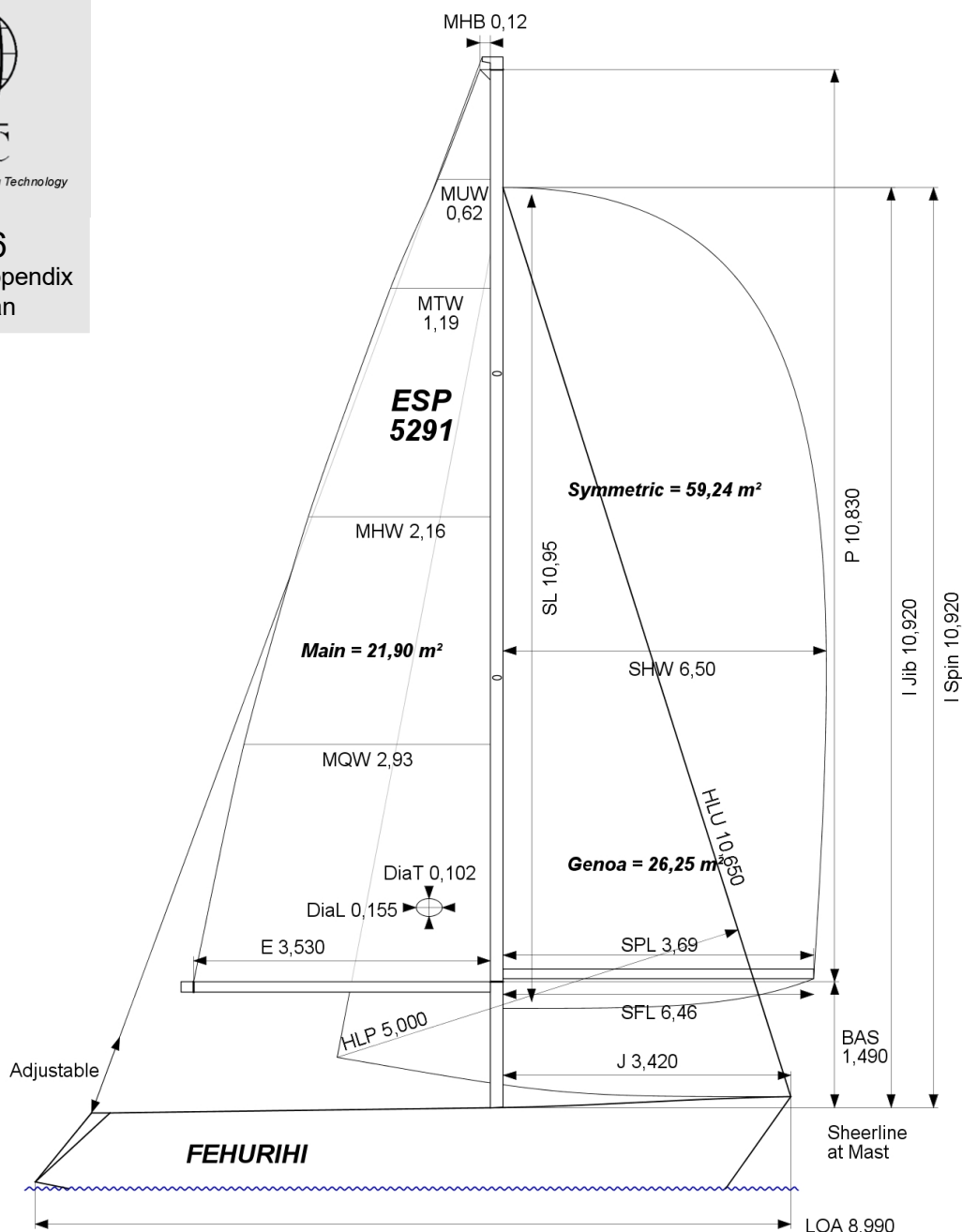
<b>MEASUREMENT INVENTORY</b>				
Measurer <b>CGD/ MGD/ JJBELTRAN ESP2</b>				
Date <b>13/01/2012</b>				
Comment				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
OR	Anchor	10,0	3,60	ANCLA
OR	Chain	16,0	3,60	CADENA
+	Tools	9,0	5,70	
<i>Id</i>	<i>Item</i>	<i>Weight Description</i>		

<b>MEASUREMENT INVENTORY</b>							
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn Description</i>
1	Tank	FUEL	INOX	50,0	6,80	50,0	LLENO
2	Tank	AGUA	PLASTICO	75,0	3,80	0,0	VACIO
3	Tank	AGUA	PLASTICO	75,0	3,80	0,0	VACIO
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>			
2	Battery	25,0	5,20				
1	Battery	25,0	6,20				



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Sail Plan



**SAILS INVENTORY**

**MAINSAIL**

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	0,125	0,62	1,19	2,16	2,93	21,90	CHGD	27/09/2011		Dacron	

**HEADSAILS**

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
003	0,09	0,62	1,20	2,41	3,70	5,00	10,65	146%	26,25							Unknown
1	0,08	0,60	1,13	2,26	3,45	4,68	10,13	137%	23,38			CHGD	27/09/2011			

**SYMMETRIC SPINNAKERS**

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	10,95	10,95	10,95	6,50	6,46	59,24	CHGD	27/09/2011			

**ASYMMETRIC SPINNAKERS**

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
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