

<b>BOAT</b> Name <b>PETRUS-K</b> Sail Nr <b>ESP-25473</b>	<b>GPH</b> <b>678,2</b>	<b>HULL</b> Length Overall <b>7,512m</b> Maximum Beam <b>2,554m</b> Displacement <b>1.335kg</b> Draft <b>1,574m</b> IMS Reg. Division <b>Sportboat</b> Dynamic Allowance <b>0,012%</b> Fwd Accommodation <b>No</b> Hull Construction <b>Cored</b> Carbon Rudder <b>No</b> Crew Arm Extension
<b>GENERAL</b> Class <b>FARR PLATU 25</b> Designer <b>Bruce Farr</b> Builder <b>Beneteau</b> Series <b>01/1995</b> Age <b>04/2006</b> Age Allowance <b>0,487%</b> Offset File <b>IPLATU25.OFF - 22/10/1998 8:32:00</b> Measurement by <b>Tacha Montaner - 05/05/2014</b>		IMSL <b>7,083m</b> VCGD <b>-0,007m</b> Sink <b>7,89kg/mm</b> RL <b>6,834m</b> VCGM <b>-0,035m</b> WS <b>10,73m<sup>2</sup></b> LSM0 <b>6,834m</b> Displacement/Length ratio <b>4,1827</b>



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**2018**  
ORC International  
Certificate

**Rating Office**  
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<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>660,6</b>			<b>735,9</b>		
Time on Time	<b>0,9083</b>			<b>0,9173</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>754,3</b>	<b>608,4</b>	<b>546,6</b>	<b>961,9</b>	<b>737,1</b>	<b>661,1</b>
Time on Time	<b>0,8949</b>	<b>1,1094</b>	<b>1,2350</b>	<b>0,7017</b>	<b>0,9157</b>	<b>1,0210</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1095,7</b>	<b>910,5</b>	<b>828,2</b>	<b>807,8</b>	<b>802,7</b>	<b>793,4</b>	<b>799,8</b>
52°	<b>730,2</b>	<b>624,1</b>	<b>591,1</b>	<b>580,4</b>	<b>575,9</b>	<b>574,3</b>	<b>567,4</b>
60°	<b>695,4</b>	<b>607,6</b>	<b>578,0</b>	<b>564,1</b>	<b>557,8</b>	<b>554,8</b>	<b>544,8</b>
75°	<b>670,3</b>	<b>597,1</b>	<b>565,7</b>	<b>542,8</b>	<b>526,3</b>	<b>517,8</b>	<b>510,6</b>
90°	<b>665,5</b>	<b>585,7</b>	<b>560,2</b>	<b>535,7</b>	<b>507,8</b>	<b>487,4</b>	<b>466,8</b>
110°	<b>659,8</b>	<b>578,8</b>	<b>537,6</b>	<b>503,4</b>	<b>482,9</b>	<b>464,2</b>	<b>433,4</b>
120°	<b>677,8</b>	<b>586,7</b>	<b>544,2</b>	<b>500,2</b>	<b>463,9</b>	<b>439,8</b>	<b>402,5</b>
135°	<b>746,8</b>	<b>618,4</b>	<b>569,9</b>	<b>530,8</b>	<b>489,0</b>	<b>446,5</b>	<b>359,9</b>
150°	<b>887,0</b>	<b>708,1</b>	<b>610,1</b>	<b>566,3</b>	<b>529,8</b>	<b>491,7</b>	<b>411,4</b>
Run VMG	<b>1024,2</b>	<b>817,6</b>	<b>697,7</b>	<b>623,3</b>	<b>576,0</b>	<b>541,8</b>	<b>471,7</b>

**Certificate**  
Number **254731**  
ORC Ref **ESP00027568**  
Issued On **02/02/2018**  
VPP Ver. **2018 1.00**  
Valid until **31/12/2018**

**Crew Weight**  
Default **400kg**  
Maximum **380kg**  
Minimum\* **285kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Double H.GPH	<b>693,8</b>	<b>0,8648</b>
Double H.OSN	<b>680,8</b>	<b>0,8813</b>
Non Spin GPH	<b>714,9</b>	<b>0,8393</b>
Non Spin OSN	<b>694,0</b>	<b>0,8645</b>

<b>Selected Courses</b>							
Windward / Leeward	<b>1059,9</b>	<b>864,0</b>	<b>762,9</b>	<b>715,5</b>	<b>689,3</b>	<b>667,6</b>	<b>635,7</b>
Circular Random	<b>913,4</b>	<b>746,6</b>	<b>659,5</b>	<b>609,8</b>	<b>578,4</b>	<b>556,2</b>	<b>523,2</b>
Coastal / Long Distance	<b>1056,4</b>	<b>815,6</b>	<b>697,0</b>	<b>634,0</b>	<b>594,4</b>	<b>558,6</b>	<b>498,5</b>
Non Spinnaker	<b>978,9</b>	<b>792,5</b>	<b>693,9</b>	<b>637,4</b>	<b>602,4</b>	<b>578,6</b>	<b>544,8</b>

**Sails Limitations**

Headsails	5	Spinnakers	3
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<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>41,5°</b>	<b>40,7°</b>	<b>38,1°</b>	<b>37,5°</b>	<b>37,5°</b>	<b>37,2°</b>	<b>38,6°</b>
Beat VMG	<b>3,29</b>	<b>3,95</b>	<b>4,35</b>	<b>4,46</b>	<b>4,49</b>	<b>4,54</b>	<b>4,50</b>
52°	<b>4,93</b>	<b>5,77</b>	<b>6,09</b>	<b>6,20</b>	<b>6,25</b>	<b>6,27</b>	<b>6,34</b>
60°	<b>5,18</b>	<b>5,92</b>	<b>6,23</b>	<b>6,38</b>	<b>6,45</b>	<b>6,49</b>	<b>6,61</b>
75°	<b>5,37</b>	<b>6,03</b>	<b>6,36</b>	<b>6,63</b>	<b>6,84</b>	<b>6,95</b>	<b>7,05</b>
90°	<b>5,41</b>	<b>6,15</b>	<b>6,43</b>	<b>6,72</b>	<b>7,09</b>	<b>7,39</b>	<b>7,71</b>
110°	<b>5,46</b>	<b>6,22</b>	<b>6,70</b>	<b>7,15</b>	<b>7,46</b>	<b>7,76</b>	<b>8,31</b>
120°	<b>5,31</b>	<b>6,14</b>	<b>6,62</b>	<b>7,20</b>	<b>7,76</b>	<b>8,19</b>	<b>8,95</b>
135°	<b>4,82</b>	<b>5,82</b>	<b>6,32</b>	<b>6,78</b>	<b>7,36</b>	<b>8,06</b>	<b>10,00</b>
150°	<b>4,06</b>	<b>5,08</b>	<b>5,90</b>	<b>6,36</b>	<b>6,79</b>	<b>7,32</b>	<b>8,75</b>
Run VMG	<b>3,51</b>	<b>4,40</b>	<b>5,16</b>	<b>5,78</b>	<b>6,25</b>	<b>6,64</b>	<b>7,63</b>
Gybe Angles	<b>145,9°</b>	<b>149,6°</b>	<b>155,6°</b>	<b>173,5°</b>	<b>180,0°</b>	<b>180,0°</b>	<b>180,0°</b>

**Class Division Length**  
CDL = **6,959**

**Storm Sails Areas**


Heavy Weather Jib	<b>11,26</b>
Storm Jib (JL=5,94)	<b>4,17</b>
Storm Trysail	<b>5,97</b>

**Owner**

<b>BOAT</b>	
Name <b>PETRUS-K</b>	Sail Nr <b>ESP-25473</b>
File <b>E25473</b>	Data in <b>meters/kilograms</b>

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Current Inclining</b>		Flotation date <b>30/01/2018</b> SG <b>1,0270</b>	
FFM <b>0,906</b>	FF <b>0,906</b>	SFFP <b>0,120</b>	
FAM <b>0,666</b>	FA <b>0,666</b>	SAFP <b>7,313</b>	
W1 <b>15,0</b>	PD1 <b>534,4</b>	WD <b>8,360</b>	
W2 <b>15,0</b>	PD2 <b>532,6</b>	GSA <b>1,0</b>	
W3 <b>15,0</b>	PD3 <b>532,6</b>	RSA <b>1,0</b>	
W4 <b>15,0</b>	PD4 <b>532,6</b>	PLM <b>9000,0</b>	
LCF from stem on CL / on sheer		<b>4,255 / 4,425</b>	
Maximum beam station from stem		<b>4,700</b>	
RM Measured		<b>18,5kg·m</b>	
RM Default		<b>23,5kg·m</b>	
Limit of positive stability / Stab.Index		<b>116,4° / 108,7</b>	
Freeboard at mast at 2,605		<b>0,819</b>	

<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>9,340</b>	E <b>3,650</b>	MDT1 <b>0,081</b>	MW <b>0,121</b>
IG <b>9,100</b>	J <b>2,605</b>	MDL1 <b>0,121</b>	GO <b>0,130</b>
ISP <b>9,660</b>	SFJ <b>0,000</b>	MDT2 <b>0,048</b>	BD <b>0,120</b>
BAS <b>1,180</b>	SPL <b>3,300</b>	MDL2 <b>0,071</b>	MWT <b>42,00</b>
FSP <b>0,000</b>	TPS	TL <b>1,695</b>	MCG <b>3,250</b>



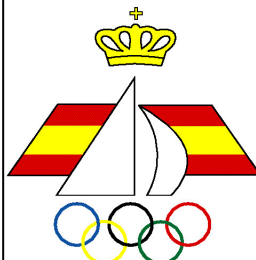
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**IMS Measurement Certificate**

**Certificate**

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

<b>PROPELLER</b>	
Type <b>No Propeller</b>	

<b>COMMENTS</b>	
MOTOR FUERABORDA INCLUIDO MEDICION.	

<b>MOVABLE BALLAST</b>	
N/A	

<b>CENTERBOARD</b>	
N/A	

<b>SAILS (Maximum Areas)</b>									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0,145	0,77	1,37	2,36	3,09	20,37	20,89	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL	43,86		SL · (SFL + 4·SHW) / 6	
	9,50	9,50	9,50	5,60	5,30				
Asymmetric Not Available									

<b>HEADSAILS</b>												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
<b>HHB</b>	<b>HUW</b>	<b>HTW</b>	<b>HHW</b>	<b>HQW</b>	<b>HLP</b>	<b>HLU</b>	<b>Area</b>	<b>Btn</b>	<b>Fly</b>	<b>Meas.Date</b>	<b>Material</b>	<b>Comment</b>
0,07	0,46	0,89	1,47	2,07	2,63	9,23	13,20	Y		13/01/2016	Unknown	13011601

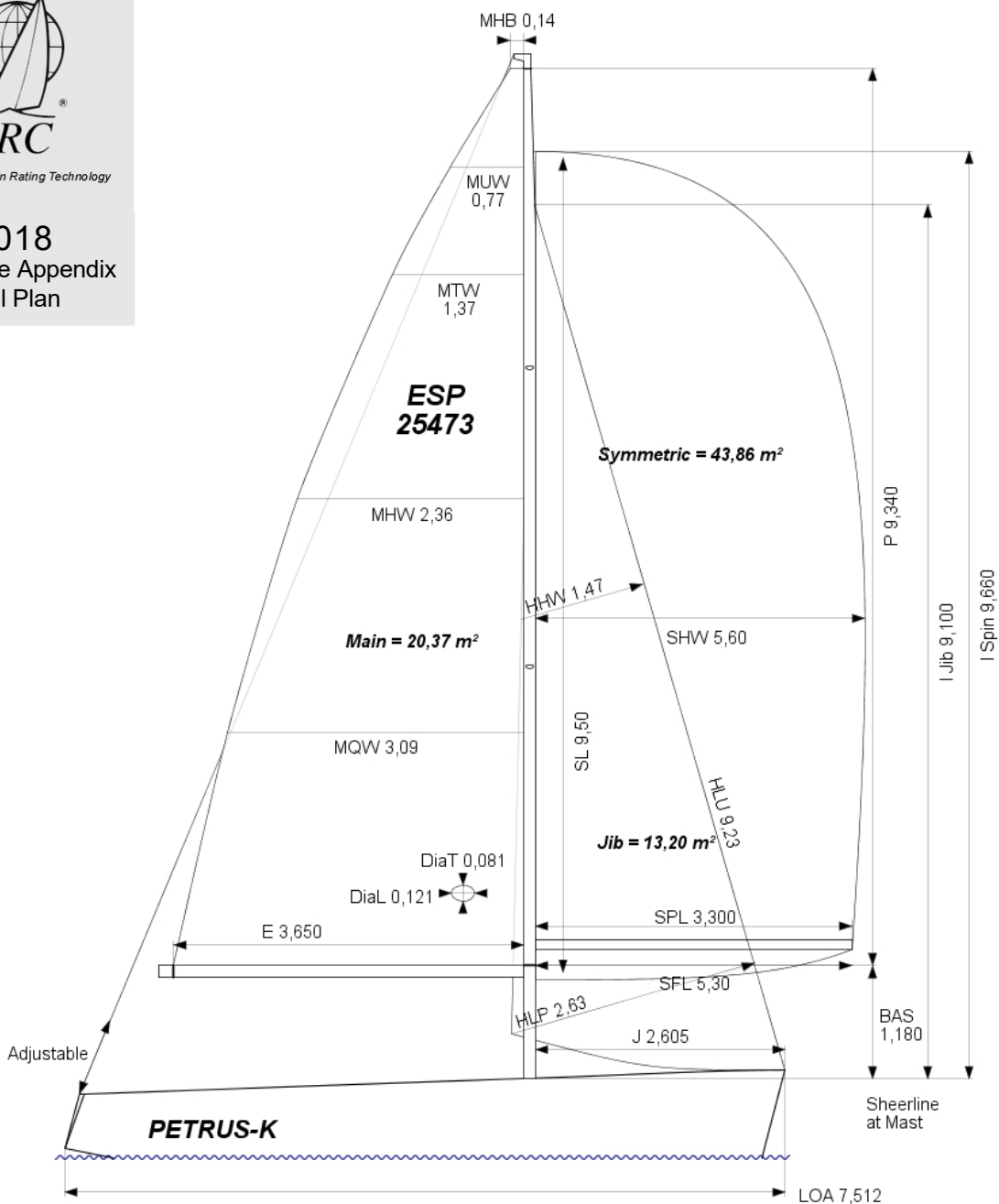
<b>MEASUREMENT INVENTORY</b>				
Measurer <b>J.BELTRAN</b>				
Date <b>30/01/2018</b>				
Comment <b>INCLUIDO MOTOR FUERABORDA</b>				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
<i>Id</i>	<i>Item</i>	<i>Maker</i>	<i>Model</i>	
1	Engine	YAMAHA 4 CV	DETRAS DE	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Description</i>	

<b>MEASUREMENT INVENTORY</b>				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
1	Ballast	60,0	4,20	0,00 4 Piezas plomo



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Sail Plan



**SAILS INVENTORY**

**MAINSAIL (1)**

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	0,145	0,77	1,37	2,36	3,09	20,37				Unknown	

**HEADSAILS (1)**

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1	0,07	0,46	0,89	1,47	2,07	2,63	9,23	101%	13,20	Y		E222	13/01/2016	GP SAILS	Unknown	13011601

**SYMMETRIC SPINNAKERS (1)**

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	9,50	9,50	9,50	5,60	5,30	43,86				Unknown	

**ASYMMETRIC SPINNAKERS (0)**

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