

|   |                            |  |
|---|----------------------------|--|
| <b>BOAT</b><br>Name <b>PETRUS-K</b><br>Sail Nr <b>ESP-25473</b>   | <b>GPH</b><br><b>679,7</b> | <b>HULL</b><br>Length Overall <b>7,512m</b><br>Maximum Beam <b>2,554m</b><br>Displacement <b>1.297kg</b><br>Draft <b>1,570m</b><br>IMS Reg. Division <b>Sportboat</b><br>Dynamic Allowance <b>0,000%</b><br>Fwd Accommodation <b>No</b><br>Hull Construction <b>Cored</b><br>Carbon Rudder <b>No</b><br>Crew Arm Extension |
| <b>GENERAL</b><br>Class <b>Platu 25</b><br>Designer <b>Bruce Farr</b><br>Builder <b>Beneteau</b><br>Series <b>01/1995</b><br>Age <b>04/2006</b><br>Age Allowance <b>0,487%</b><br>Offset File <b>IPLATU25.OFF - 22/10/1998 8:32:00</b><br>Measurement by <b>Tacha Montaner - 05/05/2014</b> |                            | IMSL <b>7,053m</b> VCGD <b>-0,013m</b> Sink <b>7,79kg/mm</b><br>RL <b>6,717m</b> VCGM <b>-0,036m</b> WS <b>10,58m<sup>2</sup></b><br>LSM0 <b>6,794m</b> Displacement/Length ratio <b>4,1358</b>  |



**2017**  
ORC International  
Certificate

**Rating Office**  
R.F.E.V.  
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| SCORING OPTIONS  | COASTAL / LONG DISTANCE |               |               | WINDWARD / LEEWARD |               |               |
|------------------|-------------------------|---------------|---------------|--------------------|---------------|---------------|
|                  | Time On Distance        | <b>662,7</b>  |               |                    | <b>741,3</b>  |               |
| Time On Time     | <b>0,9053</b>           |               |               | <b>0,9106</b>      |               |               |
| Triple Number    | Low                     | Medium        | High          | Low                | Medium        | High          |
| Time on Distance | <b>760,3</b>            | <b>609,0</b>  | <b>542,1</b>  | <b>976,7</b>       | <b>743,1</b>  | <b>660,7</b>  |
| Time on Time     | <b>0,8878</b>           | <b>1,1084</b> | <b>1,2451</b> | <b>0,6911</b>      | <b>0,9083</b> | <b>1,0216</b> |

| TIME ALLOWANCES |               |              |              |              |              |              |              |
|-----------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Wind Velocity   | 6 kt          | 8 kt         | 10 kt        | 12 kt        | 14 kt        | 16 kt        | 20 kt        |
| Beat VMG        | <b>1118,4</b> | <b>932,3</b> | <b>844,1</b> | <b>814,8</b> | <b>803,9</b> | <b>794,2</b> | <b>794,9</b> |
| 52°             | <b>734,4</b>  | <b>626,9</b> | <b>590,6</b> | <b>577,7</b> | <b>571,6</b> | <b>568,5</b> | <b>560,5</b> |
| 60°             | <b>692,0</b>  | <b>605,3</b> | <b>575,2</b> | <b>558,9</b> | <b>550,7</b> | <b>546,1</b> | <b>534,1</b> |
| 75°             | <b>658,8</b>  | <b>590,9</b> | <b>560,1</b> | <b>532,9</b> | <b>513,6</b> | <b>504,3</b> | <b>497,8</b> |
| 90°             | <b>660,4</b>  | <b>583,2</b> | <b>556,1</b> | <b>526,7</b> | <b>496,3</b> | <b>472,2</b> | <b>452,1</b> |
| 110°            | <b>661,7</b>  | <b>579,9</b> | <b>536,4</b> | <b>499,6</b> | <b>478,7</b> | <b>458,4</b> | <b>424,3</b> |
| 120°            | <b>680,9</b>  | <b>588,4</b> | <b>545,8</b> | <b>500,5</b> | <b>459,2</b> | <b>436,7</b> | <b>397,2</b> |
| 135°            | <b>752,2</b>  | <b>621,5</b> | <b>571,8</b> | <b>532,9</b> | <b>490,9</b> | <b>448,0</b> | <b>355,4</b> |
| 150°            | <b>894,5</b>  | <b>712,9</b> | <b>612,8</b> | <b>567,9</b> | <b>531,4</b> | <b>492,9</b> | <b>409,9</b> |
| Run VMG         | <b>1032,9</b> | <b>823,2</b> | <b>700,9</b> | <b>624,8</b> | <b>577,0</b> | <b>542,6</b> | <b>471,7</b> |

| Selected Courses   |               |              |              |              |              |              |              |
|--------------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Windward / Leeward | <b>1075,6</b> | <b>877,8</b> | <b>772,5</b> | <b>719,8</b> | <b>690,4</b> | <b>668,4</b> | <b>633,3</b> |
| Circular Random    | <b>919,0</b>  | <b>750,1</b> | <b>661,0</b> | <b>609,3</b> | <b>576,1</b> | <b>552,4</b> | <b>517,0</b> |
| Ocean for PCS      | <b>1123,1</b> | <b>876,5</b> | <b>738,8</b> | <b>654,3</b> | <b>597,5</b> | <b>555,2</b> | <b>490,8</b> |
| Non Spinnaker      | <b>979,6</b>  | <b>792,8</b> | <b>693,3</b> | <b>635,6</b> | <b>599,3</b> | <b>574,1</b> | <b>538,1</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>42,5°</b>  | <b>41,5°</b>  | <b>39,6°</b>  | <b>38,5°</b>  | <b>38,4°</b>  | <b>37,9°</b>  | <b>38,8°</b>  |
| Beat VMG  | <b>3,22</b>   | <b>3,86</b>   | <b>4,26</b>   | <b>4,42</b>   | <b>4,48</b>   | <b>4,53</b>   | <b>4,53</b>   |
| 52°   | <b>4,90</b>   | <b>5,74</b>   | <b>6,10</b>   | <b>6,23</b>   | <b>6,30</b>   | <b>6,33</b>   | <b>6,42</b>   |
| 60°   | <b>5,20</b>   | <b>5,95</b>   | <b>6,26</b>   | <b>6,44</b>   | <b>6,54</b>   | <b>6,59</b>   | <b>6,74</b>   |
| 75°   | <b>5,46</b>   | <b>6,09</b>   | <b>6,43</b>   | <b>6,76</b>   | <b>7,01</b>   | <b>7,14</b>   | <b>7,23</b>   |
| 90°   | <b>5,45</b>   | <b>6,17</b>   | <b>6,47</b>   | <b>6,84</b>   | <b>7,25</b>   | <b>7,62</b>   | <b>7,96</b>   |
| 110°  | <b>5,44</b>   | <b>6,21</b>   | <b>6,71</b>   | <b>7,21</b>   | <b>7,52</b>   | <b>7,85</b>   | <b>8,48</b>   |
| 120°  | <b>5,29</b>   | <b>6,12</b>   | <b>6,60</b>   | <b>7,19</b>   | <b>7,84</b>   | <b>8,24</b>   | <b>9,06</b>   |
| 135°  | <b>4,79</b>   | <b>5,79</b>   | <b>6,30</b>   | <b>6,76</b>   | <b>7,33</b>   | <b>8,04</b>   | <b>10,13</b>  |
| 150°  | <b>4,02</b>   | <b>5,05</b>   | <b>5,87</b>   | <b>6,34</b>   | <b>6,77</b>   | <b>7,30</b>   | <b>8,78</b>   |
| Run VMG   | <b>3,49</b>   | <b>4,37</b>   | <b>5,14</b>   | <b>5,76</b>   | <b>6,24</b>   | <b>6,64</b>   | <b>7,63</b>   |
| Gybe Angles                                       | <b>146,0°</b> | <b>149,7°</b> | <b>155,5°</b> | <b>173,7°</b> | <b>180,0°</b> | <b>180,0°</b> | <b>180,0°</b> |

**Certificate**  
Number **254731**  
ORC Ref **ESP00021428**  
Issued On **10/02/2017**  
VPP Ver. **2017 1.00**  
Valid until **31/12/2017**

**Crew Weight**  
Declared **380kg**  
Default\* **397kg**  
Non Manual Pwr **No**

**Special Scoring**

|              | ToD          | ToT           |
|--------------|--------------|---------------|
| Double H.GPH | <b>694,3</b> | <b>0,8642</b> |
| Double H.OSN | <b>681,2</b> | <b>0,8808</b> |
| Non Spin GPH | <b>714,2</b> | <b>0,8401</b> |
| Non Spin OSN | <b>694,6</b> | <b>0,8638</b> |

**Sails Limitations**

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

**Class Division Length**  
CDL = **6,885**

**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>25/08/2015</b>         | SG <b>1,0250</b> |                       |
| FFM <b>0,905</b>                         | FF <b>0,905</b>  | SFFP <b>0,120</b>     |
| FAM <b>0,675</b>                         | FA <b>0,675</b>  | SAFP <b>7,313</b>     |
| W1 <b>14,1</b>                           | PD1 <b>510,0</b> | WD <b>8,290</b>       |
| W2 <b>14,1</b>                           | PD2 <b>506,4</b> | GSA <b>1,0</b>        |
| W3 <b>14,1</b>                           | PD3 <b>510,2</b> | RSA <b>1,0</b>        |
| W4 <b>14,1</b>                           | PD4 <b>508,4</b> | PLM <b>9000,0</b>     |
| LCF from stem on CL / on sheer           |                  | <b>4,225 / 4,399</b>  |
| Maximum beam station from stem           |                  | <b>4,700</b>          |
| RM Measured                              |                  | <b>18,1kg·m</b>       |
| RM Default                               |                  | <b>23,2kg·m</b>       |
| Limit of positive stability / Stab.Index |                  | <b>116,8° / 109,0</b> |
| Freeboard at mast at 2,605               |                  | <b>0,822</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> |

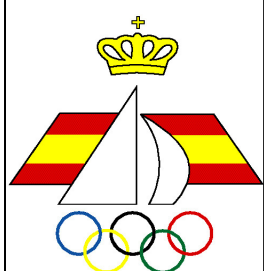


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## 2017

### IMS Measurement Certificate

**Certificate**  
 Number **254731**  
 ORC Ref **ESP00021428**  
 Issued On **10/02/2017**  
 VPP Ver. **2017 1.00**  
 Valid until **31/12/2017**



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

|                          |  |
|--------------------------|--|
| <b>PROPELLER</b>         |  |
| Type <b>No Propeller</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  |
|                              | 0,145         | 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  | Area Formula   |
|                              | 9,50          | 9,50 | 9,50 | 5,60 | 5,30 | 43,86 SL · (SFL + 4·SHW) / 6                                   |
| 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       | Unknow          | 13011601       |

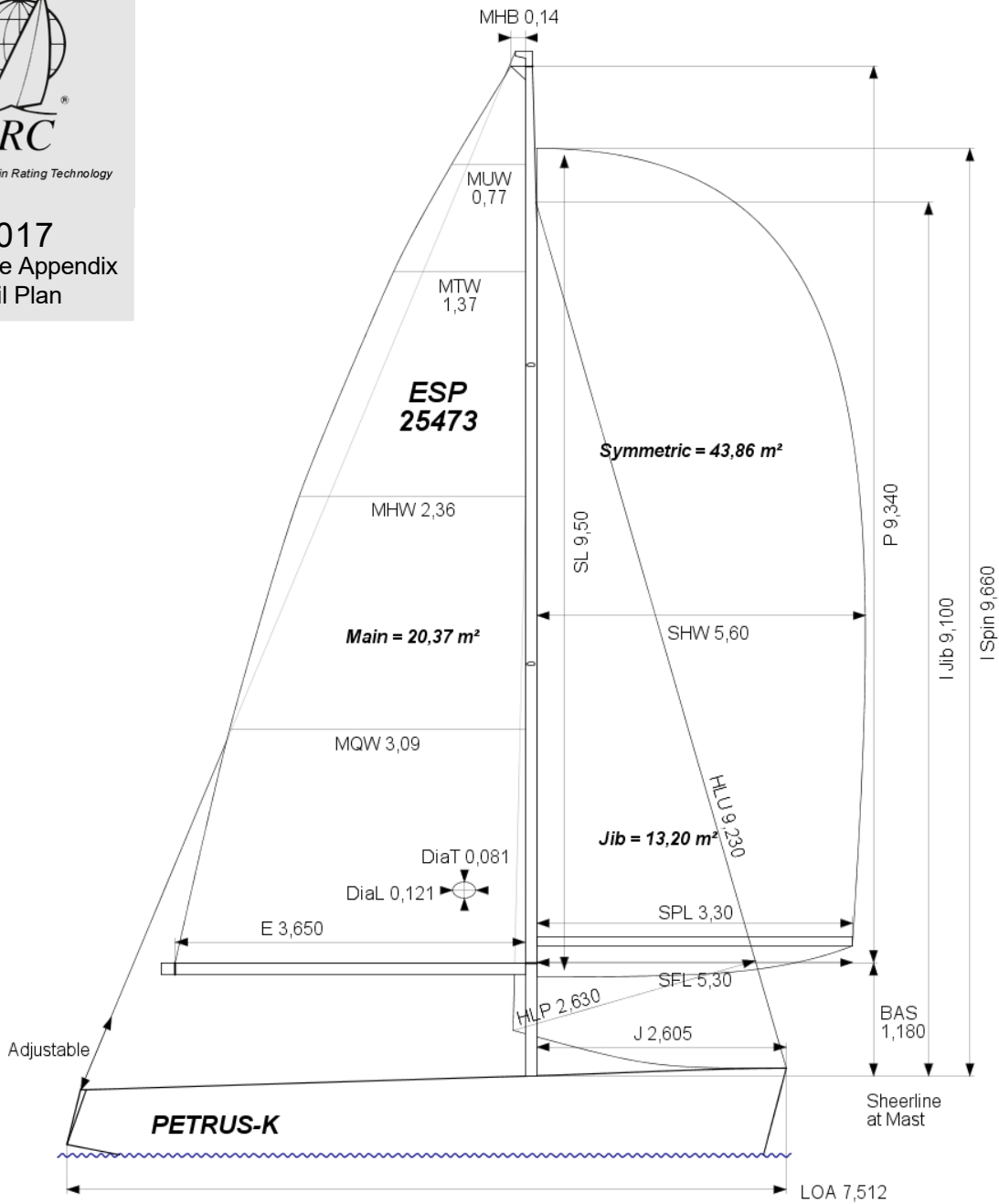
|  |             |                 |                    |                        |
|--|-------------|-----------------|--------------------|------------------------|
| <b>MEASUREMENT INVENTORY</b>           |             |                 |                    |                        |
| Measurer <b>Tacha Montaner ESP-222</b> |             |                 |                    |                        |
| Date <b>25/08/2015</b>                 |             |                 |                    |                        |
| Comment <b>Engine under stairs</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      | mERCURY 2,5 H.P | A 4,23 from        |                        |
| <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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2017  
Certificate Appendix  
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    | Unknow   | 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 |
|----|-----|-----|----|-----|-----|------|------|----------|-----------|-------------|----------|---------|
|----|-----|-----|----|-----|-----|------|------|----------|-----------|-------------|----------|---------|