

|  |                            |  |
|--|----------------------------|--|
| <b>BOAT</b><br>Name <b>KIXX ME</b><br>Sail Nr <b>ITA-777</b>   | <b>GPH</b><br><b>547.7</b> | <b>HULL</b><br>Length Overall <b>13.730m</b><br>Maximum Beam <b>4.148m</b><br>Displacement <b>9,188kg</b><br>Draft <b>2.744m</b><br>IMS Reg. Division <b>Cruiser/Racer</b><br>Dynamic Allowance <b>0.000%</b><br>Fwd Accommodation <b>Yes</b><br>Hull Construction <b>Cored</b><br>Carbon Rudder <b>No</b><br>Crew Arm Extension |
| <b>GENERAL</b><br>Class <b>IMX 45</b><br>Designer <b>JEPPESEN</b><br>Builder <b>X-YACHT</b><br>Series <b>03/2002</b><br>Age <b>04/2002</b><br>Age Allowance <b>0.487%</b><br>Offset File <b>I777-FIN.OFF - 20/08/2015 18:00:28</b><br>Measurement by - <b>21/05/2019</b> |                            | IMSL <b>12.194m</b> VCGD <b>0.013m</b> Sink <b>26.94kg/mm</b><br>RL <b>11.036m</b> VCGM <b>0.042m</b> WS <b>36.03m<sup>2</sup></b><br>LSM0 <b>12.216m</b> Displacement/Length ratio <b>5.0400</b>  |



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| SCORING OPTIONS  |                         |               |               |                    |               |               |
|------------------|-------------------------|---------------|---------------|--------------------|---------------|---------------|
|                  | COASTAL / LONG DISTANCE |               |               | WINDWARD / LEEWARD |               |               |
| Time on Distance | <b>534.2</b>            |               |               | <b>597.0</b>       |               |               |
| Time on Time     | <b>1.1231</b>           |               |               | <b>1.1307</b>      |               |               |
| Triple Number    | Low                     | Medium        | High          | Low                | Medium        | High          |
| Time on Distance | <b>617.4</b>            | <b>487.9</b>  | <b>439.6</b>  | <b>795.0</b>       | <b>599.6</b>  | <b>526.8</b>  |
| Time on Time     | <b>1.0933</b>           | <b>1.3834</b> | <b>1.5354</b> | <b>0.8491</b>      | <b>1.1258</b> | <b>1.2813</b> |

| TIME ALLOWANCES |              |              |              |              |              |              |              |
|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Wind Velocity   | 6 kt         | 8 kt         | 10 kt        | 12 kt        | 14 kt        | 16 kt        | 20 kt        |
| Beat VMG        | <b>877.8</b> | <b>729.3</b> | <b>661.4</b> | <b>635.6</b> | <b>623.6</b> | <b>619.9</b> | <b>606.2</b> |
| 52°             | <b>580.4</b> | <b>491.5</b> | <b>459.1</b> | <b>448.9</b> | <b>444.1</b> | <b>441.6</b> | <b>435.6</b> |
| 60°             | <b>550.7</b> | <b>473.9</b> | <b>447.2</b> | <b>437.3</b> | <b>432.4</b> | <b>429.8</b> | <b>424.8</b> |
| 75°             | <b>528.4</b> | <b>462.9</b> | <b>438.0</b> | <b>424.0</b> | <b>415.7</b> | <b>410.7</b> | <b>406.2</b> |
| 90°             | <b>533.0</b> | <b>464.1</b> | <b>436.9</b> | <b>419.7</b> | <b>405.2</b> | <b>393.3</b> | <b>380.8</b> |
| 110°            | <b>565.2</b> | <b>469.3</b> | <b>433.2</b> | <b>413.5</b> | <b>395.5</b> | <b>383.7</b> | <b>364.8</b> |
| 120°            | <b>579.3</b> | <b>477.3</b> | <b>436.7</b> | <b>412.7</b> | <b>390.9</b> | <b>373.3</b> | <b>346.6</b> |
| 135°            | <b>639.6</b> | <b>518.3</b> | <b>456.1</b> | <b>427.6</b> | <b>404.1</b> | <b>380.4</b> | <b>334.5</b> |
| 150°            | <b>756.3</b> | <b>605.7</b> | <b>512.5</b> | <b>458.6</b> | <b>430.4</b> | <b>408.5</b> | <b>364.5</b> |
| Run VMG         | <b>873.3</b> | <b>699.4</b> | <b>591.8</b> | <b>523.8</b> | <b>480.2</b> | <b>445.8</b> | <b>402.0</b> |

**Certificate**  
Number **7771**  
ORC Ref **ITA00052642**  
Issued On **21/05/2019**  
VPP Ver. **2019 1.01**  
Valid until **31/12/2019**

**Crew Weight**  
Default **916kg**  
Maximum **855kg**  
Minimum\* **641kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

|              |              |               |
|--------------|--------------|---------------|
|              | ToD          | ToT           |
| Double H.GPH | <b>556.2</b> | <b>1.0787</b> |
| Double H.OSN | <b>544.1</b> | <b>1.1026</b> |
| Non Spin GPH | <b>575.5</b> | <b>1.0426</b> |
| Non Spin OSN | <b>562.2</b> | <b>1.0672</b> |

| Selected Courses        |              |              |              |              |              |              |              |
|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Windward / Leeward      | <b>875.5</b> | <b>714.3</b> | <b>626.6</b> | <b>579.7</b> | <b>551.9</b> | <b>532.8</b> | <b>504.1</b> |
| Circular Random         | <b>745.2</b> | <b>605.4</b> | <b>531.9</b> | <b>490.1</b> | <b>464.5</b> | <b>447.2</b> | <b>423.3</b> |
| Coastal / Long Distance | <b>875.3</b> | <b>672.5</b> | <b>566.6</b> | <b>507.5</b> | <b>475.2</b> | <b>449.4</b> | <b>406.3</b> |
| Non Spinnaker           | <b>794.4</b> | <b>640.7</b> | <b>558.2</b> | <b>510.3</b> | <b>480.7</b> | <b>460.8</b> | <b>434.0</b> |

**Sails Limitations**

|           |            |
|-----------|------------|
| Headsails | Spinnakers |
| <b>6</b>  | <b>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>42.1°</b>  | <b>40.7°</b>  | <b>39.5°</b>  | <b>38.2°</b>  | <b>37.7°</b>  | <b>37.7°</b>  | <b>37.7°</b>  |
| Beat VMG  | <b>4.10</b>   | <b>4.94</b>   | <b>5.44</b>   | <b>5.66</b>   | <b>5.77</b>   | <b>5.81</b>   | <b>5.94</b>   |
| 52°   | <b>6.20</b>   | <b>7.32</b>   | <b>7.84</b>   | <b>8.02</b>   | <b>8.11</b>   | <b>8.15</b>   | <b>8.27</b>   |
| 60°   | <b>6.54</b>   | <b>7.60</b>   | <b>8.05</b>   | <b>8.23</b>   | <b>8.33</b>   | <b>8.38</b>   | <b>8.47</b>   |
| 75°   | <b>6.81</b>   | <b>7.78</b>   | <b>8.22</b>   | <b>8.49</b>   | <b>8.66</b>   | <b>8.77</b>   | <b>8.86</b>   |
| 90°   | <b>6.75</b>   | <b>7.76</b>   | <b>8.24</b>   | <b>8.58</b>   | <b>8.88</b>   | <b>9.15</b>   | <b>9.45</b>   |
| 110°  | <b>6.37</b>   | <b>7.67</b>   | <b>8.31</b>   | <b>8.71</b>   | <b>9.10</b>   | <b>9.38</b>   | <b>9.87</b>   |
| 120°  | <b>6.21</b>   | <b>7.54</b>   | <b>8.24</b>   | <b>8.72</b>   | <b>9.21</b>   | <b>9.64</b>   | <b>10.39</b>  |
| 135°  | <b>5.63</b>   | <b>6.95</b>   | <b>7.89</b>   | <b>8.42</b>   | <b>8.91</b>   | <b>9.46</b>   | <b>10.76</b>  |
| 150°  | <b>4.76</b>   | <b>5.94</b>   | <b>7.02</b>   | <b>7.85</b>   | <b>8.36</b>   | <b>8.81</b>   | <b>9.88</b>   |
| Run VMG   | <b>4.12</b>   | <b>5.15</b>   | <b>6.08</b>   | <b>6.87</b>   | <b>7.50</b>   | <b>8.08</b>   | <b>8.96</b>   |
| Gybe Angles                                       | <b>143.5°</b> | <b>146.6°</b> | <b>149.2°</b> | <b>155.0°</b> | <b>164.6°</b> | <b>180.0°</b> | <b>180.0°</b> |

**Class Division Length**  
CDL = **11.616**

**Storm Sails Areas**  
Heavy Weather Jib **48.11**  
Storm Jib (JL=12.27) **17.82**  
Storm Trysail **18.85**

**Owner**

|                     |                                 |
|---------------------|---------------------------------|
| <b>BOAT</b>         |                                 |
| Name <b>KIXX ME</b> | Sail Nr <b>ITA-777</b>          |
| File <b>I777</b>    | Data in <b>meters/kilograms</b> |

|  |                  |                    |  |                       |  |
|--|------------------|--------------------|--|-----------------------|--|
| <b>INCLINING TEST AND FREEBOARDS</b>     |                  |                    |  |                       |  |
| Inclining Test <b>Current Inclining</b>  |                  |                    |  |                       |  |
| Flotation date <b>10/04/2019</b>         |                  |                    |  | SG <b>1.0250</b>      |  |
| FFM <b>1.572</b>                         | FF <b>1.571</b>  | SFFP <b>0.352</b>  |  |                       |  |
| FAM <b>1.284</b>                         | FA <b>1.287</b>  | SAFP <b>12.917</b> |  |                       |  |
| W1 <b>106.1</b>                          | PD1 <b>479.1</b> | WD <b>13.730</b>   |  |                       |  |
| W2 <b>106.1</b>                          | PD2 <b>478.2</b> | GSA <b>1.0</b>     |  |                       |  |
| W3 <b>106.1</b>                          | PD3 <b>479.0</b> | RSA <b>1.0</b>     |  |                       |  |
| W4 <b>106.1</b>                          | PD4 <b>481.0</b> | PLM <b>9000.0</b>  |  |                       |  |
| LCF from stem on CL / on sheer           |                  |                    |  | <b>7.603 / 7.850</b>  |  |
| Maximum beam station from stem           |                  |                    |  | <b>8.972</b>          |  |
| RM Measured                              |                  |                    |  | <b>239.3kg-m</b>      |  |
| RM Default                               |                  |                    |  | <b>272.2kg-m</b>      |  |
| Limit of positive stability / Stab.Index |                  |                    |  | <b>119.8° / 123.6</b> |  |
| Freeboard at mast at 5.370               |                  |                    |  | <b>1.362</b>          |  |



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**IMS Measurement**  
**Certificate**

|                                |                            |                   |                   |  |  |
|--------------------------------|----------------------------|-------------------|-------------------|--|--|
| <b>RIG</b>                     |                            |                   |                   |  |  |
| Forestay Tension <b>Aft</b>    | Spreaders <b>3</b>         |                   |                   |  |  |
| Inner Stay <b>None Fitted</b>  | Runners <b>0</b>           |                   |                   |  |  |
| Carbon Mast <b>Yes</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>17.740</b>                | E <b>6.070</b>             | MDT1 <b>0.147</b> | MW <b>0.281</b>   |  |  |
| IG <b>18.800</b>               | J <b>4.970</b>             | MDL1 <b>0.281</b> | GO <b>0.301</b>   |  |  |
| ISP <b>19.300</b>              | SFJ <b>0.400</b>           | MDT2 <b>0.127</b> | BD <b>0.302</b>   |  |  |
| BAS <b>1.800</b>               | SPL <b>5.180</b>           | MDL2 <b>0.203</b> | MWT <b>280.00</b> |  |  |
| FSP <b>0.072</b>               | TPS <b>5.270</b>           | TL <b>1.100</b>   | MCG <b>6.409</b>  |  |  |

|                               |  |
|-------------------------------|--|
| <b>Certificate</b>            |  |
| Number <b>7771</b>            |  |
| ORC Ref <b>ITA00052642</b>    |  |
| Issued On <b>21/05/2019</b>   |  |
| VPP Ver. <b>2019 1.01</b>     |  |
| Valid until <b>31/12/2019</b> |  |

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

|                              |                    |                  |  |
|------------------------------|--------------------|------------------|--|
| <b>PROPELLER</b>             |                    |                  |  |
| Installation <b>Strut</b>    | PRD <b>0.435</b>   |                  |  |
| Type <b>Folding 2 blades</b> | PBW <b>0.110</b>   |                  |  |
| Twin Screw <b>No</b>         | PIPA <b>0.0031</b> |                  |  |
| ST1 <b>0.048</b>             | ST3 <b>0.170</b>   | ST5 <b>0.255</b> |  |
| ST2 <b>0.170</b>             | ST4 <b>0.098</b>   | EDL <b>2.470</b> |  |

|                 |  |
|-----------------|--|
| <b>COMMENTS</b> |  |
|                 |  |

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

|                    |  |
|--------------------|--|
| <b>CENTERBOARD</b> |  |
| <b>N/A</b>         |  |



|                              |            |            |            |            |            |             |                 |  |  |
|------------------------------|------------|------------|------------|------------|------------|-------------|-----------------|--|--|
| <b>SAILS (Maximum Areas)</b> |            |            |            |            |            |             |                 |  |  |
| <b>Mainsail</b>              | <b>MHB</b> | <b>MUW</b> | <b>MTW</b> | <b>MHW</b> | <b>MQW</b> | <b>Area</b> | <b>Area (r)</b> | <b>Formula</b>                                     |  |
|                              | 0.280      | 1.33       | 2.29       | 3.75       | 4.99       | 63.10       | 64.22           | P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB) |  |
| <b>Symmetric</b>             | <b>SLU</b> | <b>SLE</b> | <b>SL</b>  | <b>SHW</b> | <b>SFL</b> |             |                 |  |  |
|                              | 19.13      | 19.13      | 19.13      | 10.12      | 9.27       | 158.62      |                 | SL · (SFL + 4·SHW) / 6                             |  |
| <b>Asymmetric</b>            | <b>SLU</b> | <b>SLE</b> | <b>SL</b>  | <b>SHW</b> | <b>SFL</b> |             |                 |  |  |
|                              | 19.23      | 17.85      | 18.54      | 5.81       | 7.69       | 95.57       |                 | AS · (SFL + 4·SHW) / 6                             |  |

|   |            |            |            |            |            |            |             |            |            |                  |                 |                |
|---|------------|------------|------------|------------|------------|------------|-------------|------------|------------|------------------|-----------------|----------------|
| <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> |
| 0.08  | 0.86       | 1.65       | 3.32       | 4.99       | 6.71       | 18.71      | 62.49       | Y          |            | 21/05/2019       | Carbon          | JL             |
| 0.08  | 0.82       | 1.57       | 3.19       | 4.91       | 6.70       | 18.80      | 61.54       | Y          | N          | 03/05/2019       | Carbon          | JM             |

|   |             |                           |                 |                        |
|---|-------------|---------------------------|-----------------|------------------------|
| <b>MEASUREMENT INVENTORY</b>              |             |                           |                 |                        |
| Measurer <b>162</b>                       |             |                           |                 |                        |
| Date <b>10/04/2019</b>                    |             |                           |                 |                        |
| Comment <b>Perfect weather conditions</b> |             |                           |                 |                        |
| <b>Id</b>                                 | <b>Item</b> | <b>Weight</b>             | <b>Distance</b> | <b>VCG Description</b> |
| <b>Id</b>                                 | <b>Item</b> | <b>Maker</b>              | <b>Model</b>    |                        |
| A   | Engine      | VOLVO PENTA               | 50 HP           |                        |
| <b>Id</b>                                 | <b>Item</b> | <b>Weight Description</b> |                 |                        |

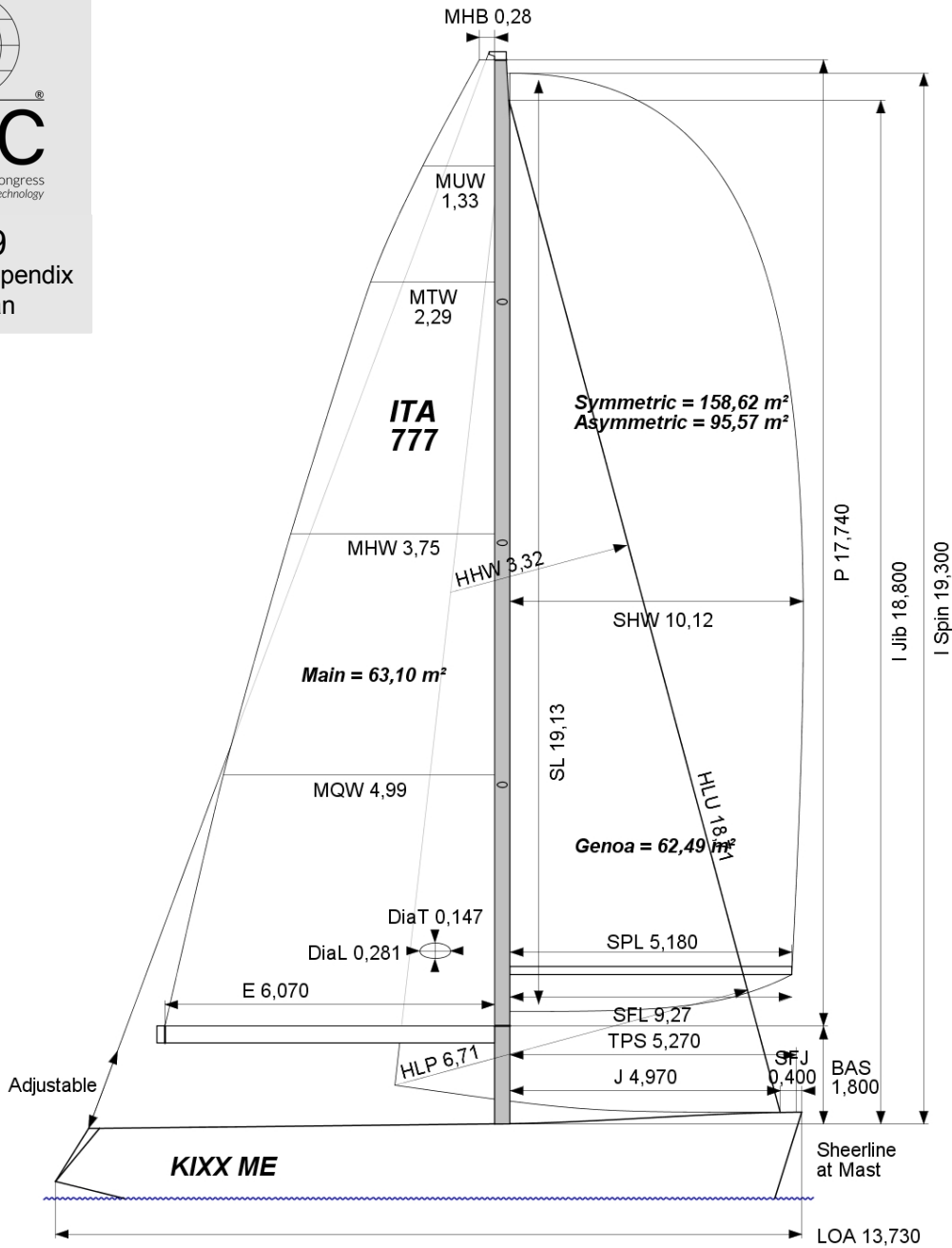
|                              |             |                 |                  |                        |              |            |                           |
|------------------------------|-------------|-----------------|------------------|------------------------|--------------|------------|---------------------------|
| <b>MEASUREMENT INVENTORY</b> |             |                 |                  |                        |              |            |                           |
| <b>Id</b>                    | <b>Item</b> | <b>Tank Use</b> | <b>Tank Type</b> | <b>Capcty</b>          | <b>Dist.</b> | <b>VCG</b> | <b>Condtn Description</b> |
| A                            | Tank        | GASOLIO         | INOX             | 90.0                   | 10.40        | 0.00       | 25-0 L                    |
| B                            | Tank        | ACQUA           | INOX             | 210.0                  | 6.60         | 0.00       | 0-0 VUOTO                 |
| <b>Id</b>                    | <b>Item</b> | <b>Weight</b>   | <b>Distance</b>  | <b>VCG Description</b> |              |            |                           |
| A                            | Battery     | 18.0            | 10.20            | 0.00 60 Ah             |              |            |                           |
| B                            | Battery     | 20.0            | 7.30             | 0.00 80 Ah             |              |            |                           |



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Sail Plan



**SAILS INVENTORY**

| MAINSAIL (1)              |       |       |       |       |      |        |          |            |             |             |          |          |            |             |          |         |
|---------------------------|-------|-------|-------|-------|------|--------|----------|------------|-------------|-------------|----------|----------|------------|-------------|----------|---------|
| Id                        | MHB   | MUW   | MTW   | MHW   | MQW  | Area   | Measurer | Meas.Date  | Manufacture | Material    | Comment  |          |            |             |          |         |
| D                         | 0.28  | 1.33  | 2.29  | 3.75  | 4.99 | 63.10  |          | 03/05/2019 | BANK        | Carbon      |          |          |            |             |          |         |
| HEADSAILS (2)             |       |       |       |       |      |        |          |            |             |             |          |          |            |             |          |         |
| Id                        | HHB   | HUW   | HTW   | HHW   | HQW  | HLP    | HLU      | Ovrlp      | Area        | Btn         | Fly      | Measurer | Meas.Date  | Manufacture | Material | Comment |
| H                         | 0.08  | 0.86  | 1.65  | 3.32  | 4.99 | 6.71   | 18.71    | 135%       | 62.49       | Y           |          |          | 21/05/2019 | BANKS       | Carbon   | JL      |
| G                         | 0.08  | 0.82  | 1.57  | 3.19  | 4.91 | 6.70   | 18.80    | 135%       | 61.54       | Y           | N        |          | 03/05/2019 | BANKS       | Carbon   | JM      |
| SYMMETRIC SPINNAKERS (1)  |       |       |       |       |      |        |          |            |             |             |          |          |            |             |          |         |
| Id                        | SLU   | SLE   | SL    | SHW   | SFL  | Area   | Measurer | Meas.Date  | Manufacture | Material    | Comment  |          |            |             |          |         |
| G                         | 19.13 | 19.13 | 19.13 | 10.12 | 9.27 | 158.62 |          | 03/05/2019 | BANKS       | Nylon       | S1       |          |            |             |          |         |
| ASYMMETRIC SPINNAKERS (1) |       |       |       |       |      |        |          |            |             |             |          |          |            |             |          |         |
| Id                        | SLU   | SLE   | SL    | SHW   | SFL  | Area   | Kind     | Measurer   | Meas.Date   | Manufacture | Material | Comment  |            |             |          |         |
| D                         | 19.23 | 17.85 | 18.54 | 5.81  | 7.69 | 95.58  | asym     |            | 03/05/2019  | NORTH       | Carbon   | A0       |            |             |          |         |