

|   |
|---|
| <b>BOAT</b>   |
| Name <b>PERFECT EXCUSE TOO</b><br>Sail Nr <b>4766</b> |

|              |
|--------------|
| <b>GPH</b>   |
| <b>619.7</b> |

|                    |   |
|--------------------|---|
| <b>HULL</b>        |   |
| Length Overall     | <b>10.720m</b>  |
| Maximum Beam       | <b>3.472m</b>   |
| Displacement       | <b>5,134kg</b>  |
| Draft              | <b>2.226m</b>   |
| IMS Reg. Division  | <b>Cruiser/Racer</b>  |
| Dynamic Allowance  | <b>0.000%</b>   |
| Fwd Accommodation  | <b>Yes</b>  |
| Hull Construction  | <b>Cored</b>  |
| Carbon Rudder      | <b>No</b>   |
| Crew Arm Extension |   |
| IMSL               | <b>9.654m</b> VCGD <b>-0.049m</b> Sink <b>18.69kg/mm</b>      |
| RL                 | <b>8.916m</b> VCGM <b>0.001m</b> WS <b>24.98m<sup>2</sup></b> |
| LSM0               | <b>9.631m</b> Displacement/Length ratio <b>5.7470</b>         |



World Leader in Rating Technology

**2017**  
ORC International  
Certificate

|   |
|---|
| <b>GENERAL</b>  |
| Class <b>X-362 SPORT</b>                              |
| Designer <b>JEPPESEN</b>                              |
| Builder <b>X-YACHTS</b>                               |
| Series <b>01/1993</b>                                 |
| Age <b>01/1998</b>                                    |
| Age Allowance <b>0.487%</b>                           |
| Offset File <b>IX362SHK.OFF - 21/04/2000 03:46:36</b> |
| Measurement by <b>KALL - 24/04/1998</b>               |

**Rating Office**

Offshore  
Racing  
Congress



World Leader In Rating Technology

|                        |                                |               |               |                           |               |               |
|------------------------|--------------------------------|---------------|---------------|---------------------------|---------------|---------------|
| <b>SCORING OPTIONS</b> | <b>COASTAL / LONG DISTANCE</b> |               |               | <b>WINDWARD / LEEWARD</b> |               |               |
| Time On Distance       | <b>603.2</b>                   |               |               | <b>671.7</b>              |               |               |
| Time On Time           | <b>0.9947</b>                  |               |               | <b>1.0049</b>             |               |               |
| Triple Number          | Low                            | Medium        | High          | Low                       | Medium        | High          |
| Time on Distance       | <b>708.9</b>                   | <b>549.7</b>  | <b>488.9</b>  | <b>918.0</b>              | <b>675.6</b>  | <b>584.1</b>  |
| Time on Time           | <b>0.9522</b>                  | <b>1.2279</b> | <b>1.3806</b> | <b>0.7353</b>             | <b>0.9991</b> | <b>1.1557</b> |

|                        |               |              |              |              |              |              |              |
|------------------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| <b>TIME ALLOWANCES</b> |               |              |              |              |              |              |              |
| Wind Velocity          | 6 kt          | 8 kt         | 10 kt        | 12 kt        | 14 kt        | 16 kt        | 20 kt        |
| Beat VMG               | <b>1018.9</b> | <b>850.4</b> | <b>751.3</b> | <b>707.2</b> | <b>687.6</b> | <b>676.8</b> | <b>669.6</b> |
| 52°                    | <b>668.2</b>  | <b>563.7</b> | <b>516.2</b> | <b>498.8</b> | <b>491.7</b> | <b>487.7</b> | <b>485.0</b> |
| 60°                    | <b>630.1</b>  | <b>538.5</b> | <b>502.6</b> | <b>485.9</b> | <b>477.9</b> | <b>473.3</b> | <b>469.0</b> |
| 75°                    | <b>598.9</b>  | <b>521.6</b> | <b>492.3</b> | <b>472.6</b> | <b>457.1</b> | <b>448.3</b> | <b>440.6</b> |
| 90°                    | <b>600.3</b>  | <b>521.1</b> | <b>491.1</b> | <b>471.0</b> | <b>451.5</b> | <b>433.7</b> | <b>413.6</b> |
| 110°                   | <b>642.8</b>  | <b>533.0</b> | <b>491.5</b> | <b>464.9</b> | <b>439.4</b> | <b>425.0</b> | <b>403.6</b> |
| 120°                   | <b>664.2</b>  | <b>547.0</b> | <b>498.3</b> | <b>471.6</b> | <b>445.7</b> | <b>420.0</b> | <b>386.6</b> |
| 135°                   | <b>737.1</b>  | <b>599.2</b> | <b>523.5</b> | <b>490.0</b> | <b>465.6</b> | <b>440.6</b> | <b>392.6</b> |
| 150°                   | <b>870.9</b>  | <b>690.2</b> | <b>584.4</b> | <b>521.1</b> | <b>490.3</b> | <b>467.4</b> | <b>421.5</b> |
| Run VMG                | <b>1005.7</b> | <b>797.0</b> | <b>673.7</b> | <b>592.6</b> | <b>535.5</b> | <b>499.4</b> | <b>454.0</b> |

|                               |
|-------------------------------|
| <b>Certificate</b>            |
| Number <b>5645</b>            |
| ORC Ref <b>SSF00001745</b>    |
| Issued On <b>23/05/2017</b>   |
| VPP Ver. <b>2017 1.00</b>     |
| Valid until <b>31/12/2017</b> |

|                         |               |              |              |              |              |              |              |
|-------------------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| <b>Selected Courses</b> |               |              |              |              |              |              |              |
| Windward / Leeward      | <b>1012.3</b> | <b>823.7</b> | <b>712.5</b> | <b>649.9</b> | <b>611.5</b> | <b>588.1</b> | <b>561.8</b> |
| Circular Random         | <b>851.6</b>  | <b>688.7</b> | <b>601.5</b> | <b>550.7</b> | <b>519.3</b> | <b>498.6</b> | <b>472.1</b> |
| Ocean for PCS           | <b>1045.9</b> | <b>808.7</b> | <b>675.1</b> | <b>593.6</b> | <b>540.7</b> | <b>503.6</b> | <b>451.8</b> |
| Non Spinnaker           | <b>890.9</b>  | <b>716.7</b> | <b>622.6</b> | <b>567.3</b> | <b>532.9</b> | <b>510.1</b> | <b>480.6</b> |

|                    |              |
|--------------------|--------------|
| <b>Crew Weight</b> |              |
| Declared           | <b>690kg</b> |
| Default*           | <b>652kg</b> |
| Non Manual Pwr     | <b>No</b>    |

|                           |               |
|---------------------------|---------------|
| <b>Special Scoring</b>    |               |
| ToD                       | ToT           |
| Non Spin GPH <b>642.0</b> | <b>0.9346</b> |
| Non Spin OSN <b>624.7</b> | <b>0.9605</b> |

|  |               |               |               |               |               |               |               |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <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>42.9°</b>  | <b>41.8°</b>  | <b>41.0°</b>  | <b>39.0°</b>  | <b>38.3°</b>  | <b>37.6°</b>  | <b>37.4°</b>  |
| Beat VMG   | <b>3.53</b>   | <b>4.23</b>   | <b>4.79</b>   | <b>5.09</b>   | <b>5.24</b>   | <b>5.32</b>   | <b>5.38</b>   |
| 52°  | <b>5.39</b>   | <b>6.39</b>   | <b>6.97</b>   | <b>7.22</b>   | <b>7.32</b>   | <b>7.38</b>   | <b>7.42</b>   |
| 60°  | <b>5.71</b>   | <b>6.69</b>   | <b>7.16</b>   | <b>7.41</b>   | <b>7.53</b>   | <b>7.61</b>   | <b>7.68</b>   |
| 75°  | <b>6.01</b>   | <b>6.90</b>   | <b>7.31</b>   | <b>7.62</b>   | <b>7.88</b>   | <b>8.03</b>   | <b>8.17</b>   |
| 90°  | <b>6.00</b>   | <b>6.91</b>   | <b>7.33</b>   | <b>7.64</b>   | <b>7.97</b>   | <b>8.30</b>   | <b>8.70</b>   |
| 110°   | <b>5.60</b>   | <b>6.75</b>   | <b>7.33</b>   | <b>7.74</b>   | <b>8.19</b>   | <b>8.47</b>   | <b>8.92</b>   |
| 120°   | <b>5.42</b>   | <b>6.58</b>   | <b>7.22</b>   | <b>7.63</b>   | <b>8.08</b>   | <b>8.57</b>   | <b>9.31</b>   |
| 135°   | <b>4.88</b>   | <b>6.01</b>   | <b>6.88</b>   | <b>7.35</b>   | <b>7.73</b>   | <b>8.17</b>   | <b>9.17</b>   |
| 150°   | <b>4.13</b>   | <b>5.22</b>   | <b>6.16</b>   | <b>6.91</b>   | <b>7.34</b>   | <b>7.70</b>   | <b>8.54</b>   |
| Run VMG  | <b>3.58</b>   | <b>4.52</b>   | <b>5.34</b>   | <b>6.08</b>   | <b>6.72</b>   | <b>7.21</b>   | <b>7.93</b>   |
| Gybe Angles  | <b>145.1°</b> | <b>149.8°</b> | <b>151.8°</b> | <b>157.7°</b> | <b>180.0°</b> | <b>180.0°</b> | <b>180.0°</b> |

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

|                              |
|------------------------------|
| <b>Class Division Length</b> |
| <b>CDL = 9.286</b>           |

|                          |              |
|--------------------------|--------------|
| <b>Storm Sails Areas</b> |              |
| Heavy Weather Jib        | <b>28.83</b> |
| Storm Jib (JL=9.50)      | <b>10.68</b> |
| Storm Trysail            | <b>11.39</b> |

|              |
|--------------|
| <b>Owner</b> |
|              |

|                            |                                 |
|----------------------------|---------------------------------|
| <b>BOAT</b>                |                                 |
| Name <b>PERFECT EXCUSE</b> | Sail Nr <b>4766</b>             |
| File <b>5645</b>           | Data in <b>meters/kilograms</b> |

|  |                  |                       |
|--|------------------|-----------------------|
| <b>INCLINING TEST AND FREEBOARDS</b>     |                  |                       |
| Inclining Test <b>Current Inclining</b>  |                  |                       |
| Flotation date <b>25/04/1998</b>         | SG <b>1.0050</b> |                       |
| FFM <b>1.217</b>                         | FF <b>1.230</b>  | SFFP <b>0.332</b>     |
| FAM <b>1.009</b>                         | FA <b>1.019</b>  | SAFP <b>9.573</b>     |
| W1 <b>20.0</b>                           | PD1 <b>56.5</b>  | WD <b>10.530</b>      |
| W2 <b>45.0</b>                           | PD2 <b>127.0</b> | GSA <b>64.0</b>       |
| W3 <b>70.0</b>                           | PD3 <b>197.5</b> | RSA <b>10000.</b>     |
| W4 <b>90.0</b>                           | PD4 <b>254.0</b> | PLM <b>2000.0</b>     |
| LCF from stem on CL / on sheer           |                  | <b>5.975 / 6.206</b>  |
| Maximum beam station from stem           |                  | <b>6.875</b>          |
| RM Measured                              |                  | <b>129.8kg·m</b>      |
| RM Default                               |                  | <b>130.1kg·m</b>      |
| Limit of positive stability / Stab.Index |                  | <b>116.6° / 116.9</b> |
| Freeboard at mast at 4.150               |                  | <b>1.117</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>13.850</b>                | E <b>4.700</b>             | MDT1 <b>0.111</b> | MW <b>0.185</b>   |  |
| IG <b>14.580</b>               | J <b>3.800</b>             | MDL1 <b>0.185</b> | GO <b>0.194</b>   |  |
| ISP <b>14.610</b>              | SFJ <b>0.350</b>           | MDT2 <b>0.092</b> | BD <b>0.180</b>   |  |
| BAS <b>1.653</b>               | SPL <b>3.800</b>           | MDL2 <b>0.167</b> | MWT <b>154.00</b> |  |
| FSP <b>0.066</b>               | TPS                        | TL <b>1.195</b>   | MCG <b>4.865</b>  |  |

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

|                              |                    |                  |
|------------------------------|--------------------|------------------|
| <b>PROPELLER</b>             |                    |                  |
| Installation <b>Strut</b>    | PRD <b>0.390</b>   |                  |
| Type <b>Folding 2 blades</b> | PBW <b>0.110</b>   |                  |
| Twin Screw <b>No</b>         | PIPA <b>0.0033</b> |                  |
| ST1 <b>0.042</b>             | ST3 <b>0.180</b>   | ST5 <b>0.240</b> |
| ST2 <b>0.180</b>             | ST4 <b>0.112</b>   | EDL <b>1.915</b> |

|                                 |  |
|---------------------------------|--|
| <b>COMMENTS</b>                 |  |
| KIELVERSION HEAVY<br>DRAFT 2.25 |  |

|                         |  |
|-------------------------|--|
| <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  |  |
|                              | 0.170         | 1.00  | 1.78  | 3.05 | 3.98 | 38.98 | 39.74    | P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB) |  |
| Symmetric                    | SLU           | SLE   | SL    | SHW  | SFL  |       |          |  |  |
|                              | 14.35         | 14.35 | 14.35 | 6.92 | 7.80 | 84.86 |          | 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) |     |     |     |     |      |       |       |     |     |           |          |                        |
| HHB   | HUW | HTW | HHW | HQW | HLP  | HLU   | Area  | Btn | Fly | Meas.Date | Material | Comment                |
| 0.10  |     |     |     |     | 5.62 | 14.27 | 40.75 |     |     |           |          | * Copied from legacy * |
| 0.10  |     |     |     |     | 5.40 | 14.25 | 39.12 |     |     |           | Unknow   |                        |



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IMS Measurement Certificate

|                               |  |
|-------------------------------|--|
| <b>Certificate</b>            |  |
| Number <b>5645</b>            |  |
| ORC Ref <b>SSF00001745</b>    |  |
| Issued On <b>23/05/2017</b>   |  |
| VPP Ver. <b>2017 1.00</b>     |  |
| Valid until <b>31/12/2017</b> |  |

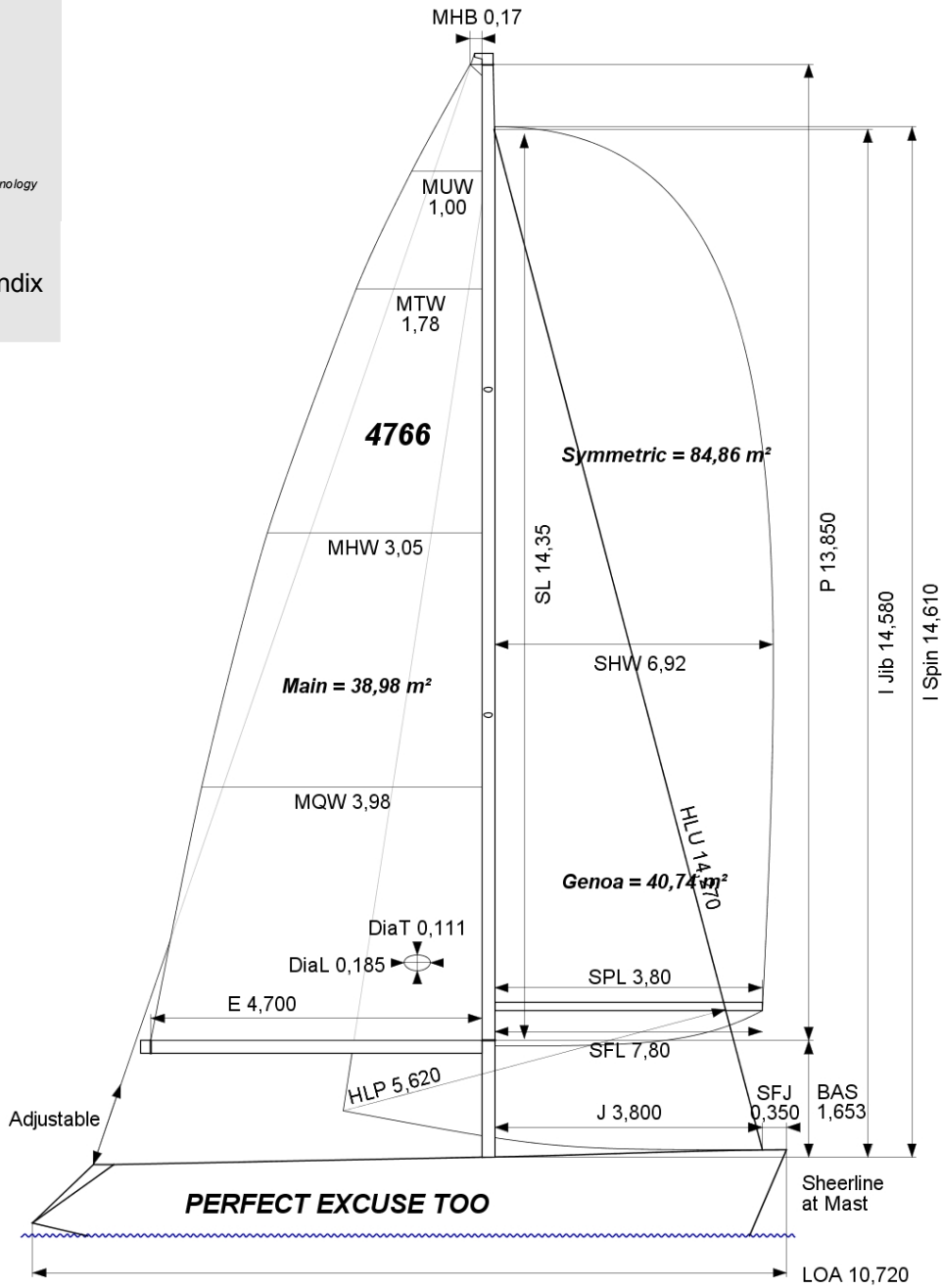


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2017  
Certificate Appendix  
Sail Plan



**SAILS INVENTORY**

| MAINSAIL (1)              |       |       |       |      |      |       |          |           |             |             |                        |          |           |             |          |                        |
|---------------------------|-------|-------|-------|------|------|-------|----------|-----------|-------------|-------------|------------------------|----------|-----------|-------------|----------|------------------------|
| Id                        | MHB   | MUW   | MTW   | MHW  | MQW  | Area  | Measurer | Meas.Date | Manufacture | Material    | Comment                |          |           |             |          |                        |
| ORC                       | 0.170 | 1.00  | 1.78  | 3.05 | 3.98 | 38.98 |          |           |             |             | * Copied from legacy   |          |           |             |          |                        |
| HEADSAILS (2)             |       |       |       |      |      |       |          |           |             |             |                        |          |           |             |          |                        |
| Id                        | HHB   | HUW   | HTW   | HHW  | HQW  | HLP   | HLU      | Ovrlp     | Area        | Btn         | Fly                    | Measurer | Meas.Date | Manufacture | Material | Comment                |
| 1                         | 0.10  |       |       |      |      | 5.62  | 14.27    | 148%      | 40.75       |             |                        |          |           |             |          | * Copied from legacy * |
| 2                         | 0.10  |       |       |      |      | 5.40  | 14.25    | 142%      | 39.12       |             |                        |          |           |             |          | Unknown                |
| SYMMETRIC SPINNAKERS (5)  |       |       |       |      |      |       |          |           |             |             |                        |          |           |             |          |                        |
| Id                        | SLU   | SLE   | SL    | SHW  | SFL  | Area  | Measurer | Meas.Date | Manufacture | Material    | Comment                |          |           |             |          |                        |
| 4                         | 14.35 | 14.35 | 14.35 | 6.92 | 7.80 | 84.86 |          |           |             | Unknown     |                        |          |           |             |          |                        |
| -14                       | 14.60 | 14.60 | 14.60 | 6.76 | 6.90 | 82.59 |          |           |             | Unknown     |                        |          |           |             |          |                        |
| 1                         | 13.90 | 13.90 | 13.90 | 6.64 | 6.43 | 76.43 |          |           |             |             | * Copied from legacy * |          |           |             |          |                        |
| 3                         | 13.83 | 13.83 | 13.83 | 6.65 | 6.34 | 75.93 |          |           |             | Unknown     |                        |          |           |             |          |                        |
| 2                         | 13.79 | 13.79 | 13.79 | 6.52 | 6.70 | 75.34 |          |           |             | Unknown     |                        |          |           |             |          |                        |
| ASYMMETRIC SPINNAKERS (0) |       |       |       |      |      |       |          |           |             |             |                        |          |           |             |          |                        |
| Id                        | SLU   | SLE   | SL    | SHW  | SFL  | Area  | Kind     | Measurer  | Meas.Date   | Manufacture | Material               | Comment  |           |             |          |                        |