



World Leader in Rating Technology

## 2011 ORC Club One Design Certificate

### Rating Office

Watersportverbond  
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### Certificate

Number **C5708**  
Issued On **9-3-2011**  
ORC Ref **orc00004567**  
VPP Ver. **2011 1.02**  
Valid until **1-4-2012**

### Crew Weight

Declared **360 kg**  
Default\* **360 kg**  
Non Manual Power **No**

### Special Scoring

	ToD	ToT
Double Handed	749,8	0,8002
Non Spinnaker	766,4	0,7829
N/S Perf. Line	83,3	0,663

### Sails Limitations

Genoa **2** Spinnakers **3**  
Jibs **2**

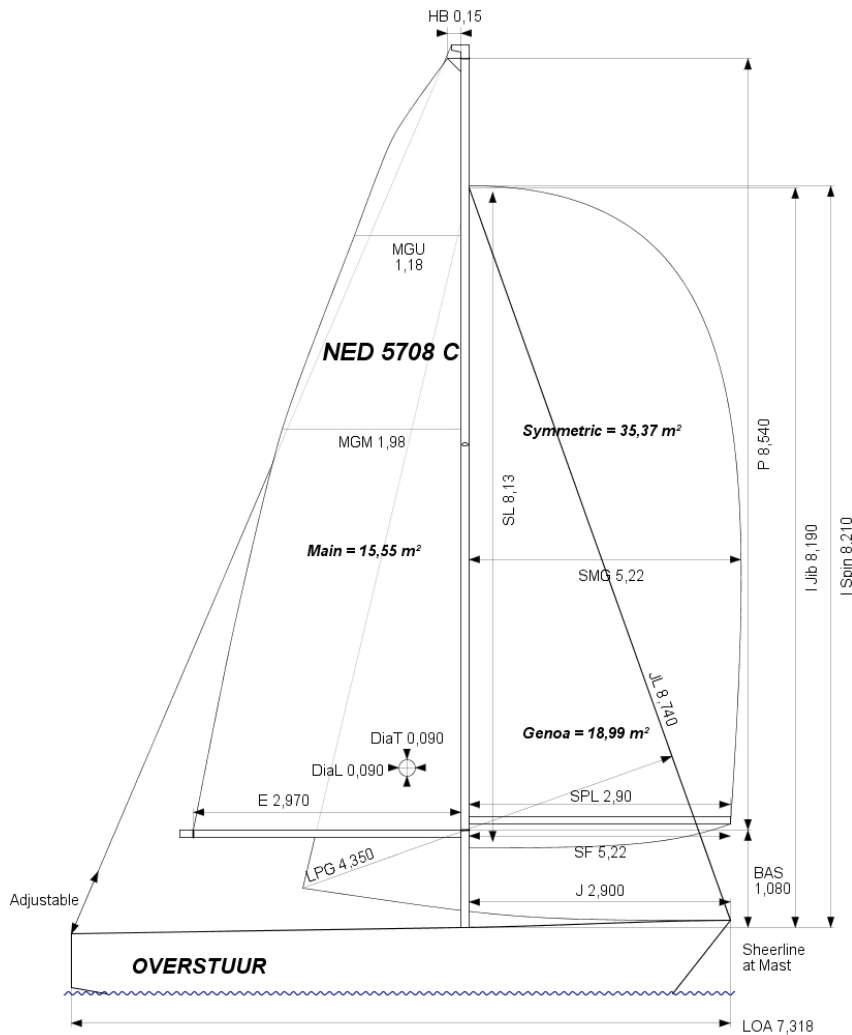
### Spinnaker configuration

Symmetric: **Yes** **35,37**  
Asymmetric: **No**  
Code Zero: **No**  
Spin. Pole: **Yes**

### Stability

LPS (Estimated): **104,6°**  
Stability Index: **96,7**  
OSR Category: **N/A**

### Owner



BOAT	GPH	HULL
Name <b>OVERSTUUR</b> Sail Nr <b>NED 5708 C</b>	<b>744,1</b>	Data File <b>NEDC5708.dxt</b> LOA <b>7,318 m</b> Offset File <b>J_242011.od</b> MB <b>2,692 m</b> Displacement <b>1.387 kg</b> Draft <b>1,236 m</b>
CLASS		IMS L
Class <b>J-24 (OOD)</b> Designer <b>R.Johnstone</b> Builder <b>Westerly / Rogers</b> Series <b>02-1977</b> Age Date <b>01-1979</b> Age Allowance <b>0,975%</b>		<b>6,619</b> Wetted Area <b>10,89 m²</b> VCGM <b>0,051</b>
COMMENTS		Performance
Type nr.: 2640 89.65/ 91.97		Dynamic All. <b>0,667%</b> Construction <b>Solid</b> Aramid Core <b>No</b> Carbon Rudder <b>No</b> Anchor LCG
PROPELLER		Anchor Wgt
Type <b>No Propeller</b>		
		IMS Division
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# 2011

## ORC Club Certificate Appendix

BOAT	
Name	<b>OVERSTUUR</b>
Sail Nr	<b>NED 5708 C</b>
Certificate Number	<b>C5708</b>
Issued On	<b>9-3-2011</b>

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1262,2</b>	<b>1045,7</b>	<b>948,4</b>	<b>894,3</b>	<b>860,1</b>	<b>838,7</b>	<b>833,9</b>
52°	<b>800,3</b>	<b>686,1</b>	<b>632,2</b>	<b>604,7</b>	<b>589,3</b>	<b>579,0</b>	<b>570,6</b>
60°	<b>745,9</b>	<b>652,4</b>	<b>606,5</b>	<b>578,2</b>	<b>563,2</b>	<b>553,4</b>	<b>542,9</b>
75°	<b>706,5</b>	<b>627,3</b>	<b>586,0</b>	<b>555,9</b>	<b>532,2</b>	<b>519,0</b>	<b>505,5</b>
90°	<b>711,5</b>	<b>631,3</b>	<b>584,0</b>	<b>547,8</b>	<b>530,1</b>	<b>509,2</b>	<b>477,9</b>
110°	<b>737,1</b>	<b>633,3</b>	<b>582,2</b>	<b>545,0</b>	<b>513,2</b>	<b>482,3</b>	<b>443,4</b>
120°	<b>764,1</b>	<b>649,1</b>	<b>593,4</b>	<b>555,3</b>	<b>523,6</b>	<b>493,7</b>	<b>428,4</b>
135°	<b>863,1</b>	<b>702,2</b>	<b>626,7</b>	<b>582,7</b>	<b>548,5</b>	<b>518,7</b>	<b>460,3</b>
150°	<b>1031,3</b>	<b>800,4</b>	<b>685,0</b>	<b>620,9</b>	<b>580,5</b>	<b>548,1</b>	<b>492,4</b>
Run VMG	<b>1190,9</b>	<b>924,1</b>	<b>778,3</b>	<b>687,7</b>	<b>628,6</b>	<b>588,9</b>	<b>529,9</b>

Selected Courses							
Windward / Leeward	<b>1249,7</b>	<b>1003,5</b>	<b>875,9</b>	<b>801,1</b>	<b>753,2</b>	<b>721,9</b>	<b>689,0</b>
Circular Random	<b>1021,5</b>	<b>827,1</b>	<b>722,7</b>	<b>661,2</b>	<b>622,0</b>	<b>595,0</b>	<b>559,2</b>
Ocean for PCS	<b>1090,5</b>	<b>864,1</b>	<b>738,0</b>	<b>660,0</b>	<b>607,1</b>	<b>567,8</b>	<b>509,2</b>
Non Spinnaker	<b>1062,9</b>	<b>855,7</b>	<b>743,5</b>	<b>677,1</b>	<b>635,0</b>	<b>606,6</b>	<b>570,2</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>46,2°</b>	<b>43,4°</b>	<b>42,1°</b>	<b>40,9°</b>	<b>39,9°</b>	<b>39,2°</b>	<b>39,8°</b>
Beat VMG	<b>2,85</b>	<b>3,44</b>	<b>3,80</b>	<b>4,03</b>	<b>4,19</b>	<b>4,29</b>	<b>4,32</b>
52°	<b>4,50</b>	<b>5,25</b>	<b>5,69</b>	<b>5,95</b>	<b>6,11</b>	<b>6,22</b>	<b>6,31</b>
60°	<b>4,83</b>	<b>5,52</b>	<b>5,94</b>	<b>6,23</b>	<b>6,39</b>	<b>6,51</b>	<b>6,63</b>
75°	<b>5,10</b>	<b>5,74</b>	<b>6,14</b>	<b>6,48</b>	<b>6,76</b>	<b>6,94</b>	<b>7,12</b>
90°	<b>5,06</b>	<b>5,70</b>	<b>6,16</b>	<b>6,57</b>	<b>6,79</b>	<b>7,07</b>	<b>7,53</b>
110°	<b>4,88</b>	<b>5,68</b>	<b>6,18</b>	<b>6,61</b>	<b>7,01</b>	<b>7,46</b>	<b>8,12</b>
120°	<b>4,71</b>	<b>5,55</b>	<b>6,07</b>	<b>6,48</b>	<b>6,87</b>	<b>7,29</b>	<b>8,40</b>
135°	<b>4,17</b>	<b>5,13</b>	<b>5,74</b>	<b>6,18</b>	<b>6,56</b>	<b>6,94</b>	<b>7,82</b>
150°	<b>3,49</b>	<b>4,50</b>	<b>5,26</b>	<b>5,80</b>	<b>6,20</b>	<b>6,57</b>	<b>7,31</b>
Run VMG	<b>3,02</b>	<b>3,90</b>	<b>4,63</b>	<b>5,23</b>	<b>5,73</b>	<b>6,11</b>	<b>6,79</b>
Gybe Angles	<b>145,0°</b>	<b>150,2°</b>	<b>160,9°</b>	<b>168,1°</b>	<b>172,9°</b>	<b>174,6°</b>	<b>174,7°</b>