



World Leader in Rating Technology

## 2011 ORC Club Certificate

### Rating office

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### Certificaat

Nummer  
Afgifte **12-5-2011**  
ORC Ref **knw00007656**  
VPP versie **2011 1.02**  
Geldig tot **1-4-2012**

### Bemanningsgewicht

Opgegeven **336 kg**  
Standaard\* **336 kg**  
Motorhulp

### Special Scoring

	ToD	ToT
Double Handed	<b>797,7</b>	<b>0,7522</b>
Zonder spinn.	<b>835,4</b>	<b>0,7182</b>
Z/S Perf.Line	<b>105,2</b>	<b>0,633</b>

### Maximaal aantal zeilen

Genua's **2** Spinnakers **3**  
Fokken **2**

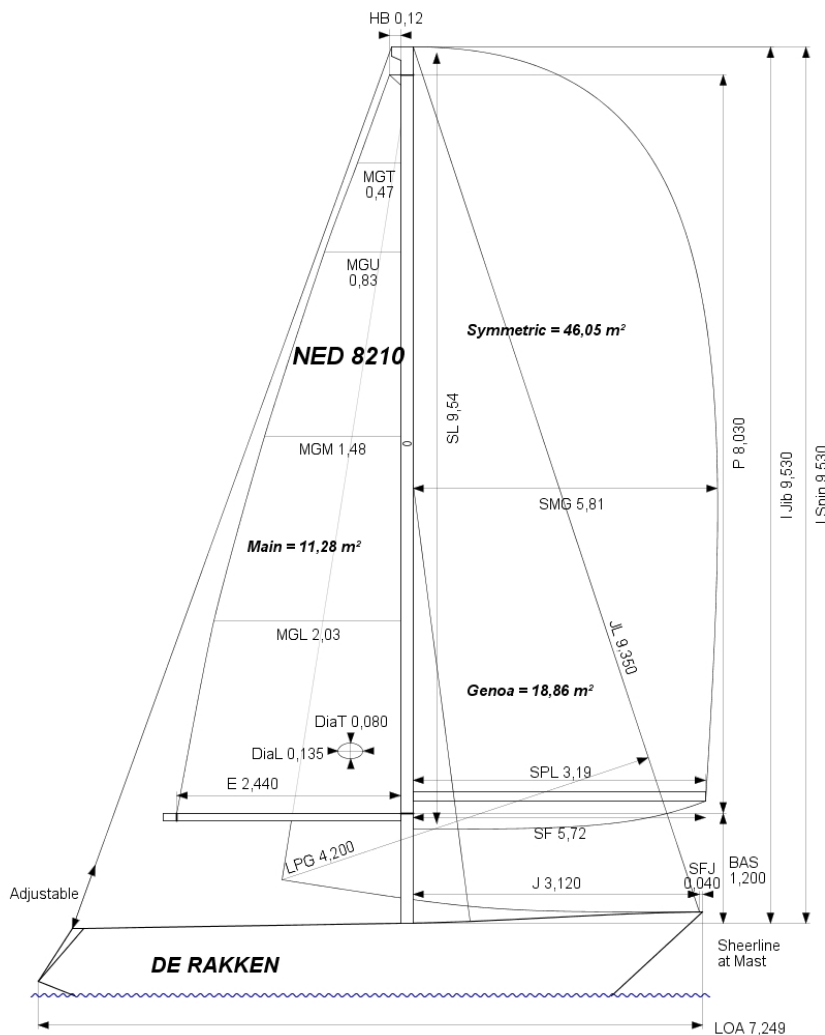
### Spinnaker configuratie

Symm. **Ja** **46,05**  
Asymm. **Nee**  
Code Zero **Nee**  
Spi-boom **Ja**

### Stabiliteit

LPS (benaderd) **106,3°**  
Stabiliteits Index **99,4**  
OSR categorie **Nvt**

### Eigenaar



BOOT	GPH	ROMP
Naam <b>De Rakken</b> Zeilnr. <b>NED 8210</b>	<b>794,2</b>	Gegevens <b>nedc8210.dxt</b> LOA <b>7,249 m</b> Offset <b>hc21401.off</b> Breedte <b>2,806 m</b> Gewicht <b>2.006 kg</b> Diepgang <b>1,403 m</b>
<b>TYPE</b> Type <b>Eygtthene 24</b> Ontwerper <b>Holland Ron</b> Bouwer <b>Master Marine LTD.</b> Serie datum <b>01-1977</b> Bouw datum <b>01-1987</b> Leef tijd vergoeding <b>0,975%</b>		IMS Divisie <b>Cruiser/Racer</b> DVergoeding <b>0,801%</b> Voorkajuit <b>Ja</b> Bouwwijze <b>Massief</b> Kunst Verst. <b>Nee</b> Aramide kern <b>Nee</b> Carbon mast <b>Nee</b> Carbon roer <b>Nee</b> Anker gew. Anker positie
<b>OPMERKINGEN</b>		IMS L <b>5,986</b> Nat opp. <b>11,87 m²</b> VCGM <b>0,088</b>
<b>SCHROEF</b> Type <b>Geen schroef</b>		<b>Midwaard</b>  <b>Nvt</b>

Rating opties	OFFSHORE COASTEL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
	PLT	PLD		PLT	PLD	
Time on Distance	<b>794,2</b>			<b>856,7</b>		
Time on Time	<b>0,7555</b>			<b>0,7879</b>		
Performance Line	<b>0,721</b>	<b>151,0</b>		<b>0,760</b>	<b>286,0</b>	
Triple number	Laag <b>0,7535</b>	Midden <b>0,9540</b>	Hoog <b>1,0601</b>	Laag <b>0,5836</b>	Midden <b>0,7855</b>	Hoog <b>0,8923</b>



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## ORC Club Certificate Appendix

<b>BOOT</b>	
Naam <b>De Rakken</b>	Certificaat nummer
Zeilnr. <b>NED 8210</b>	Afgifte datum <b>12-5-2011</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1371,5</b>	<b>1119,2</b>	<b>1001,5</b>	<b>949,4</b>	<b>917,9</b>	<b>897,1</b>	<b>878,3</b>
52°	<b>880,6</b>	<b>742,0</b>	<b>689,1</b>	<b>659,3</b>	<b>640,6</b>	<b>630,1</b>	<b>619,5</b>
60°	<b>818,6</b>	<b>713,9</b>	<b>667,2</b>	<b>639,6</b>	<b>620,4</b>	<b>607,4</b>	<b>596,3</b>
75°	<b>774,5</b>	<b>692,0</b>	<b>650,2</b>	<b>622,7</b>	<b>601,4</b>	<b>584,7</b>	<b>564,3</b>
90°	<b>770,2</b>	<b>678,1</b>	<b>630,6</b>	<b>603,0</b>	<b>589,1</b>	<b>578,4</b>	<b>556,0</b>
110°	<b>760,6</b>	<b>670,6</b>	<b>624,7</b>	<b>591,3</b>	<b>564,3</b>	<b>543,7</b>	<b>525,2</b>
120°	<b>783,4</b>	<b>681,7</b>	<b>632,6</b>	<b>599,2</b>	<b>571,4</b>	<b>547,8</b>	<b>510,6</b>
135°	<b>879,0</b>	<b>722,5</b>	<b>658,9</b>	<b>621,1</b>	<b>590,7</b>	<b>565,1</b>	<b>522,8</b>
150°	<b>1036,9</b>	<b>812,9</b>	<b>706,2</b>	<b>653,3</b>	<b>618,6</b>	<b>589,8</b>	<b>543,5</b>
Run VMG	<b>1197,3</b>	<b>938,7</b>	<b>792,0</b>	<b>713,0</b>	<b>662,8</b>	<b>628,7</b>	<b>576,6</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1308,0</b>	<b>1047,3</b>	<b>912,7</b>	<b>841,8</b>	<b>799,4</b>	<b>771,0</b>	<b>734,0</b>
Circular Random	<b>1081,0</b>	<b>878,2</b>	<b>771,2</b>	<b>710,1</b>	<b>672,8</b>	<b>648,0</b>	<b>615,9</b>
Ocean for PCS	<b>1151,6</b>	<b>916,3</b>	<b>787,6</b>	<b>710,6</b>	<b>660,6</b>	<b>625,2</b>	<b>574,5</b>
Zonder spinn.	<b>1159,9</b>	<b>932,0</b>	<b>809,7</b>	<b>738,8</b>	<b>695,1</b>	<b>666,5</b>	<b>630,0</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>44,4°</b>	<b>43,7°</b>	<b>40,5°</b>	<b>39,5°</b>	<b>38,8°</b>	<b>38,4°</b>	<b>38,2°</b>
Beat VMG	<b>2,62</b>	<b>3,22</b>	<b>3,59</b>	<b>3,79</b>	<b>3,92</b>	<b>4,01</b>	<b>4,10</b>
52°	<b>4,09</b>	<b>4,85</b>	<b>5,22</b>	<b>5,46</b>	<b>5,62</b>	<b>5,71</b>	<b>5,81</b>
60°	<b>4,40</b>	<b>5,04</b>	<b>5,40</b>	<b>5,63</b>	<b>5,80</b>	<b>5,93</b>	<b>6,04</b>
75°	<b>4,65</b>	<b>5,20</b>	<b>5,54</b>	<b>5,78</b>	<b>5,99</b>	<b>6,16</b>	<b>6,38</b>
90°	<b>4,67</b>	<b>5,31</b>	<b>5,71</b>	<b>5,97</b>	<b>6,11</b>	<b>6,22</b>	<b>6,47</b>
110°	<b>4,73</b>	<b>5,37</b>	<b>5,76</b>	<b>6,09</b>	<b>6,38</b>	<b>6,62</b>	<b>6,85</b>
120°	<b>4,60</b>	<b>5,28</b>	<b>5,69</b>	<b>6,01</b>	<b>6,30</b>	<b>6,57</b>	<b>7,05</b>
135°	<b>4,10</b>	<b>4,98</b>	<b>5,46</b>	<b>5,80</b>	<b>6,09</b>	<b>6,37</b>	<b>6,89</b>
150°	<b>3,47</b>	<b>4,43</b>	<b>5,10</b>	<b>5,51</b>	<b>5,82</b>	<b>6,10</b>	<b>6,62</b>
Run VMG	<b>3,01</b>	<b>3,84</b>	<b>4,55</b>	<b>5,05</b>	<b>5,43</b>	<b>5,73</b>	<b>6,24</b>
Gybe Angles	<b>145,9°</b>	<b>148,9°</b>	<b>162,4°</b>	<b>169,7°</b>	<b>173,2°</b>	<b>174,5°</b>	<b>174,8°</b>