



World Leader in Rating Technology

## 2011 ORC Club Certificate

### Rating office

Watersportverbond  
Tel: +31 30 7513700  
Fax: + 31 30 6564783  
rating@watersportverbond

### Certificaat

Nummer  
Afgifte **30-3-2012**  
ORC Ref **knw00011335**  
VPP versie **2011 1.02**  
Geldig tot **1-4-2012**

### Bemanningsgewicht

Opgegeven **300 kg**  
Standaard\* **543 kg**  
Motorhulp

### Special Scoring

	ToD	ToT
Double Handed	<b>758,7</b>	<b>0,7908</b>
Zonder spinn.	<b>757,2</b>	<b>0,7924</b>
Z/S Perf.Line	<b>64,8</b>	<b>0,646</b>

### Maximaal aantal zeilen

Genua's 1 Spinnakers **0**  
Fokken **0**

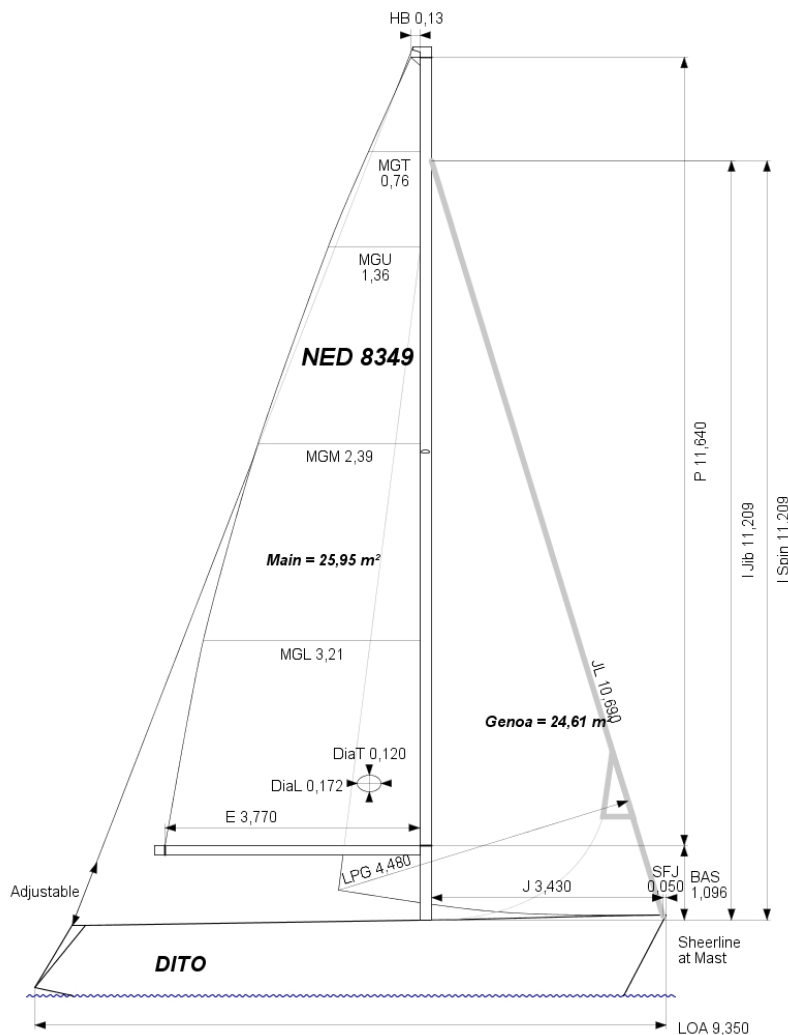
### Spinnaker configuratie

Symm. **Nee**  
Asymm. **Nee**  
Code Zero **Nee**  
Spi-boom **Nee**

### Stabiliteit

LPS (Estimated): **103,7°**  
Stabiliteits Index **100,4**  
OSR categorie **Nvt**

### Eigenaar



BOOT	GPH	ROMP
Naam <b>Dito</b> Zeilnr. <b>NED 8349</b>	<b>757,2</b>	Gegevens <b>nedc8349.dxt</b> LOA <b>9,350 m</b> Offset <b>HC53601.OFF</b> Breedte <b>3,437 m</b> Gewicht <b>4,027 kg</b> Diepgang <b>1,402 m</b>
<b>TYPE</b> Type <b>Etap 32i</b> Ontwerper <b>Philippe Harle</b> Bouwer <b>Etap</b> Serie datum <b>01-1992</b> Bouw datum <b>01-1998</b> Leeftijd vergoeding <b>0,975%</b>		IMS Divisie <b>Cruiser/Racer</b> DVergoeding <b>1,223%</b> Voorkajuit <b>Ja</b> Bouwwijze <b>Sandwich</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>8,310</b> Nat opp. <b>19,63 m²</b> VCGM <b>0,271</b>
<b>SCHROEF</b> Installatie <b>Saildrive</b> PRD <b>0,380</b> Type <b>Klapschroef</b>		<b>Midwaard</b> Nvt

Rating opties	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
	Time on Distance	<b>757,2</b>			<b>827,4</b>	
Time on Time	<b>0,7924</b>			<b>0,8158</b>		
Performance Line	PLT <b>0,646</b>	PLD <b>64,8</b>		PLT <b>0,626</b>	PLD <b>151,2</b>	
Triple number	Laag <b>0,7555</b>	Midden <b>1,0180</b>	Hoog <b>1,1595</b>	Laag <b>0,5708</b>	Midden <b>0,8101</b>	Hoog <b>0,9517</b>



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## ORC Club Certificate Appendix

<b>BOOT</b>	
Naam <b>Dito</b>	Certificaat nummer
Zeilnr. <b>NED 8349</b>	Afgifte datum <b>30-3-2012</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1325,6</b>	<b>1069,5</b>	<b>950,8</b>	<b>896,7</b>	<b>865,2</b>	<b>846,4</b>	<b>843,9</b>
52°	<b>828,8</b>	<b>679,1</b>	<b>618,1</b>	<b>587,0</b>	<b>571,5</b>	<b>562,2</b>	<b>555,1</b>
60°	<b>753,4</b>	<b>635,8</b>	<b>585,3</b>	<b>556,7</b>	<b>542,5</b>	<b>534,5</b>	<b>527,1</b>
75°	<b>696,2</b>	<b>603,9</b>	<b>559,7</b>	<b>533,4</b>	<b>514,4</b>	<b>500,9</b>	<b>491,1</b>
90°	<b>703,4</b>	<b>608,2</b>	<b>562,9</b>	<b>535,6</b>	<b>513,5</b>	<b>492,5</b>	<b>467,6</b>
110°	<b>794,0</b>	<b>643,8</b>	<b>582,7</b>	<b>547,1</b>	<b>522,0</b>	<b>500,7</b>	<b>465,2</b>
120°	<b>860,2</b>	<b>683,1</b>	<b>605,2</b>	<b>561,0</b>	<b>532,4</b>	<b>509,6</b>	<b>471,9</b>
135°	<b>998,1</b>	<b>773,4</b>	<b>651,9</b>	<b>591,4</b>	<b>553,3</b>	<b>527,2</b>	<b>486,3</b>
150°	<b>1153,6</b>	<b>882,2</b>	<b>723,6</b>	<b>633,4</b>	<b>582,2</b>	<b>548,3</b>	<b>502,9</b>
Run VMG	<b>1328,2</b>	<b>1006,7</b>	<b>819,4</b>	<b>697,0</b>	<b>623,6</b>	<b>577,4</b>	<b>522,3</b>

<b>Selected Courses</b>							
Windward / Leeward	<b>1347,3</b>	<b>1055,6</b>	<b>898,7</b>	<b>808,2</b>	<b>753,8</b>	<b>720,4</b>	<b>690,6</b>
Circular Random	<b>1067,6</b>	<b>850,5</b>	<b>732,7</b>	<b>663,9</b>	<b>621,7</b>	<b>594,8</b>	<b>563,6</b>
Ocean for PCS	<b>1142,1</b>	<b>889,6</b>	<b>748,2</b>	<b>661,6</b>	<b>604,8</b>	<b>564,6</b>	<b>508,6</b>
Zonder spinn.	<b>1067,6</b>	<b>850,5</b>	<b>732,7</b>	<b>663,9</b>	<b>621,7</b>	<b>594,8</b>	<b>563,6</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>47,0°</b>	<b>46,1°</b>	<b>44,5°</b>	<b>43,2°</b>	<b>42,4°</b>	<b>42,1°</b>	<b>43,3°</b>
Beat VMG	<b>2,72</b>	<b>3,37</b>	<b>3,79</b>	<b>4,01</b>	<b>4,16</b>	<b>4,25</b>	<b>4,27</b>
52°	<b>4,34</b>	<b>5,30</b>	<b>5,82</b>	<b>6,13</b>	<b>6,30</b>	<b>6,40</b>	<b>6,49</b>
60°	<b>4,78</b>	<b>5,66</b>	<b>6,15</b>	<b>6,47</b>	<b>6,64</b>	<b>6,74</b>	<b>6,83</b>
75°	<b>5,17</b>	<b>5,96</b>	<b>6,43</b>	<b>6,75</b>	<b>7,00</b>	<b>7,19</b>	<b>7,33</b>
90°	<b>5,12</b>	<b>5,92</b>	<b>6,39</b>	<b>6,72</b>	<b>7,01</b>	<b>7,31</b>	<b>7,70</b>
110°	<b>4,53</b>	<b>5,59</b>	<b>6,18</b>	<b>6,58</b>	<b>6,90</b>	<b>7,19</b>	<b>7,74</b>
120°	<b>4,18</b>	<b>5,27</b>	<b>5,95</b>	<b>6,42</b>	<b>6,76</b>	<b>7,06</b>	<b>7,63</b>
135°	<b>3,61</b>	<b>4,65</b>	<b>5,52</b>	<b>6,09</b>	<b>6,51</b>	<b>6,83</b>	<b>7,40</b>
150°	<b>3,12</b>	<b>4,08</b>	<b>4,98</b>	<b>5,68</b>	<b>6,18</b>	<b>6,57</b>	<b>7,16</b>
Run VMG	<b>2,71</b>	<b>3,58</b>	<b>4,39</b>	<b>5,16</b>	<b>5,77</b>	<b>6,23</b>	<b>6,89</b>
Gybe Angles	<b>156,8°</b>	<b>169,1°</b>	<b>180,0°</b>	<b>180,0°</b>	<b>180,0°</b>	<b>180,0°</b>	<b>180,0°</b>