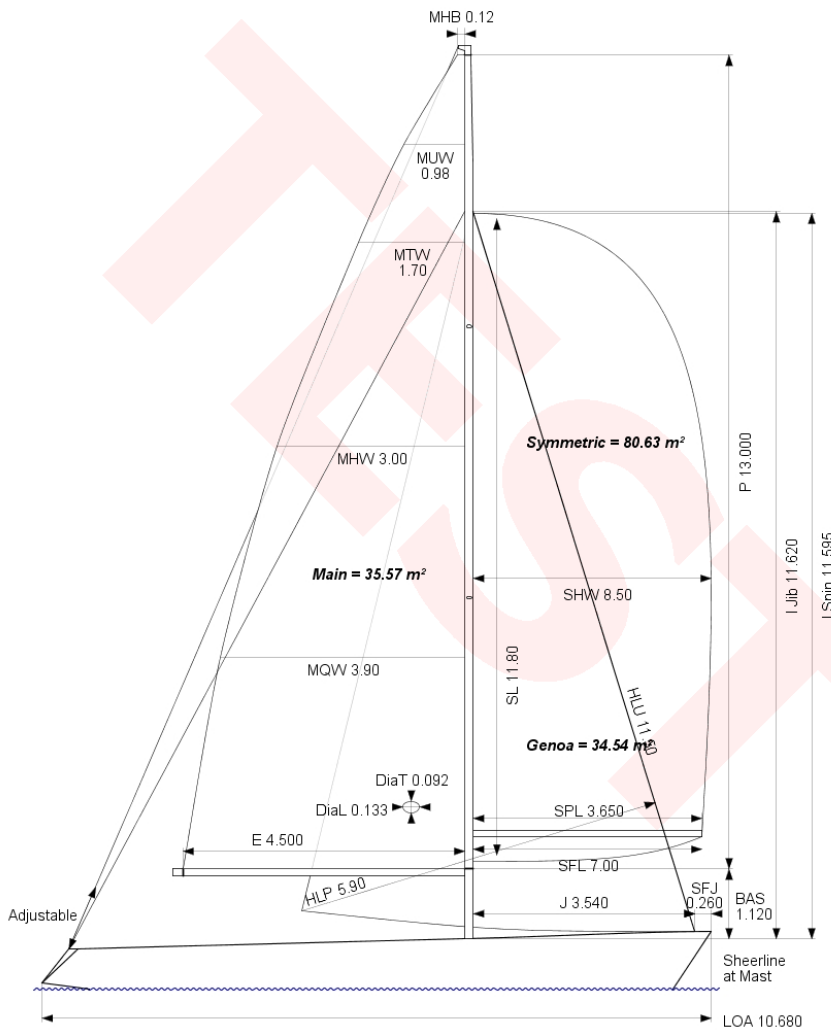




World Leader in Rating Technology

## 2019 (Test) ORC Club One Design Certificate



### Rating Office

### Certificate

Number  
Issued On **15/01/2019**  
ORC Ref **N/A**  
VPP Ver. **2019 1.01**

**Invalid for Racing**

### Crew Weight

Default 650kg  
Maximum **450kg**  
Minimum\* **338kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

### Special Scoring

	ToD	ToT
Non Spin GPH	<b>623.0</b>	<b>0.9631</b>
Non Spin OSN	<b>610.5</b>	<b>0.9828</b>

### Sails Limitations

Headsails **5** Spinnakers **3**

### Spinnaker configuration

Symmetric: **Yes** 80.63  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

### Class Division Length

**CDL = 9.140**

### Stability (Estimated)

Limit Positive Stab.: **111.3°**  
Stability Index: **115.7**

### Owner

I certify that I understand my responsibilities under ORC Rules and Regulations

Signature

BOAT		GPH		HULL	
Name			<b>599.8</b>	Data File	<b>Dynamic35</b> LOA <b>10.680m</b>
Sail Nr				Offset File	<b>dynamic35.od</b> MB <b>2.484m</b>
				Displacement	<b>2,929kg</b> Draft <b>1.519m</b>
<b>CLASS</b>					
Class	<b>Dynamic 35</b>	IMS Division	<b>Cruiser/Racer</b>	Dynamic All.	<b>0.001%</b>
Designer	<b>Kjaerulff</b>	Fwd Accom.	<b>Yes</b>	Construction	<b>Cored</b>
Builder	<b>Moser</b>	Fiber Rigging	<b>No</b>	Aramid Core	<b>No</b>
Series	<b>07/1985</b>	Crew Arm Ex		Carbon Rudder	<b>No</b>
Age Date				Light Stanchions	<b>No</b>
Age Allowance	<b>0.487%</b>	IMSL	<b>9.756m</b>	VCGD	<b>-0.130m</b>
		RL	<b>8.522m</b>	VCGM	<b>-0.098m</b>
		WS		WS	<b>18.96m<sup>2</sup></b>
		LSMO	<b>9.602m</b>	Displacement/Length ratio	<b>3.3085</b>
<b>COMMENTS</b>		Water Ballast	<b>0</b>	Trim Tab	<b>No</b>
		BLR Index	<b>0.0000</b>		
<b>PROPELLER</b>		<b>CENTERBOARD</b>			
Installation	<b>Shaft exposed</b>	PRD	<b>0.330</b>	<b>N/A</b>	
Type	<b>Folding 2 blades</b>	PBW	<b>0.085</b>		
		PIPA	<b>0.0041</b>		

SCORING OPTIONS	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Time on Distance	<b>587.1</b>			<b>660.7</b>	
Time on Time	<b>1.0219</b>			<b>1.0216</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>671.2</b>	<b>536.3</b>	<b>481.8</b>	<b>875.9</b>	<b>664.0</b>	<b>586.1</b>
Time on Time	<b>1.0056</b>	<b>1.2586</b>	<b>1.4011</b>	<b>0.7706</b>	<b>1.0166</b>	<b>1.1516</b>



# 2019 (Test)

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name	Certificate Number
Sail Nr	Issued On <b>15/01/2019</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>959.1</b>	<b>804.2</b>	<b>748.6</b>	<b>723.3</b>	<b>715.4</b>	<b>706.7</b>	<b>706.6</b>
52°	<b>622.0</b>	<b>534.0</b>	<b>512.7</b>	<b>503.8</b>	<b>499.1</b>	<b>497.4</b>	<b>491.2</b>
60°	<b>584.3</b>	<b>513.6</b>	<b>497.0</b>	<b>489.1</b>	<b>484.2</b>	<b>482.1</b>	<b>473.6</b>
75°	<b>556.3</b>	<b>500.0</b>	<b>479.1</b>	<b>468.1</b>	<b>460.6</b>	<b>455.3</b>	<b>446.3</b>
90°	<b>559.4</b>	<b>499.0</b>	<b>471.9</b>	<b>450.0</b>	<b>435.8</b>	<b>426.4</b>	<b>417.5</b>
110°	<b>600.5</b>	<b>504.3</b>	<b>469.5</b>	<b>447.4</b>	<b>429.6</b>	<b>411.9</b>	<b>378.0</b>
120°	<b>617.7</b>	<b>511.3</b>	<b>471.6</b>	<b>436.7</b>	<b>411.5</b>	<b>393.0</b>	<b>359.8</b>
135°	<b>696.1</b>	<b>552.5</b>	<b>492.7</b>	<b>458.1</b>	<b>421.0</b>	<b>384.0</b>	<b>322.6</b>
150°	<b>842.6</b>	<b>664.7</b>	<b>552.1</b>	<b>493.6</b>	<b>461.7</b>	<b>427.8</b>	<b>359.8</b>
Run VMG	<b>972.9</b>	<b>767.5</b>	<b>637.5</b>	<b>560.9</b>	<b>512.3</b>	<b>478.7</b>	<b>415.7</b>

<b>Selected Courses</b>							
Windward / Leeward	<b>966.0</b>	<b>785.8</b>	<b>693.0</b>	<b>642.1</b>	<b>613.8</b>	<b>592.7</b>	<b>561.1</b>
Circular Random	<b>812.5</b>	<b>661.8</b>	<b>582.8</b>	<b>537.8</b>	<b>509.7</b>	<b>490.1</b>	<b>462.3</b>
Coastal / Long Distance	<b>966.7</b>	<b>738.1</b>	<b>624.8</b>	<b>559.1</b>	<b>523.3</b>	<b>492.3</b>	<b>440.1</b>
Non Spinnaker	<b>852.8</b>	<b>690.9</b>	<b>604.8</b>	<b>555.0</b>	<b>524.0</b>	<b>502.9</b>	<b>474.2</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>43.8°</b>	<b>42.5°</b>	<b>40.8°</b>	<b>39.9°</b>	<b>39.6°</b>	<b>39.0°</b>	<b>39.9°</b>
Beat VMG	<b>3.75</b>	<b>4.48</b>	<b>4.81</b>	<b>4.98</b>	<b>5.03</b>	<b>5.09</b>	<b>5.10</b>
52°	<b>5.79</b>	<b>6.74</b>	<b>7.02</b>	<b>7.15</b>	<b>7.21</b>	<b>7.24</b>	<b>7.33</b>
60°	<b>6.16</b>	<b>7.01</b>	<b>7.24</b>	<b>7.36</b>	<b>7.43</b>	<b>7.47</b>	<b>7.60</b>
75°	<b>6.47</b>	<b>7.20</b>	<b>7.51</b>	<b>7.69</b>	<b>7.82</b>	<b>7.91</b>	<b>8.07</b>
90°	<b>6.44</b>	<b>7.21</b>	<b>7.63</b>	<b>8.00</b>	<b>8.26</b>	<b>8.44</b>	<b>8.62</b>
110°	<b>5.99</b>	<b>7.14</b>	<b>7.67</b>	<b>8.05</b>	<b>8.38</b>	<b>8.74</b>	<b>9.52</b>
120°	<b>5.83</b>	<b>7.04</b>	<b>7.63</b>	<b>8.24</b>	<b>8.75</b>	<b>9.16</b>	<b>10.00</b>
135°	<b>5.17</b>	<b>6.52</b>	<b>7.31</b>	<b>7.86</b>	<b>8.55</b>	<b>9.38</b>	<b>11.16</b>
150°	<b>4.27</b>	<b>5.42</b>	<b>6.52</b>	<b>7.29</b>	<b>7.80</b>	<b>8.42</b>	<b>10.00</b>
Run VMG	<b>3.70</b>	<b>4.69</b>	<b>5.65</b>	<b>6.42</b>	<b>7.03</b>	<b>7.52</b>	<b>8.66</b>
Gybe Angles	<b>143.1°</b>	<b>146.5°</b>	<b>147.8°</b>	<b>156.3°</b>	<b>175.3°</b>	<b>180.0°</b>	<b>150.1°</b>