

**2020  
ORC Club  
Certificate**

**Rating Office**

**Offshore  
Racing  
Congress**



**Certificate**

Number **042/20**  
Issued On **30/06/2020**  
ORC Ref **03850000LMV**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**

**Crew Weight**

Default 355kg  
Maximum **355kg**  
Minimum\* **266kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>772.8</b>	<b>0.7764</b>
Non Spin OSN	<b>747.9</b>	<b>0.8022</b>

**Sails Limitations**

Headsails **5** Spinnakers **4**

**Spinnaker configuration**  
Symmetric: **Yes 36.80**  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

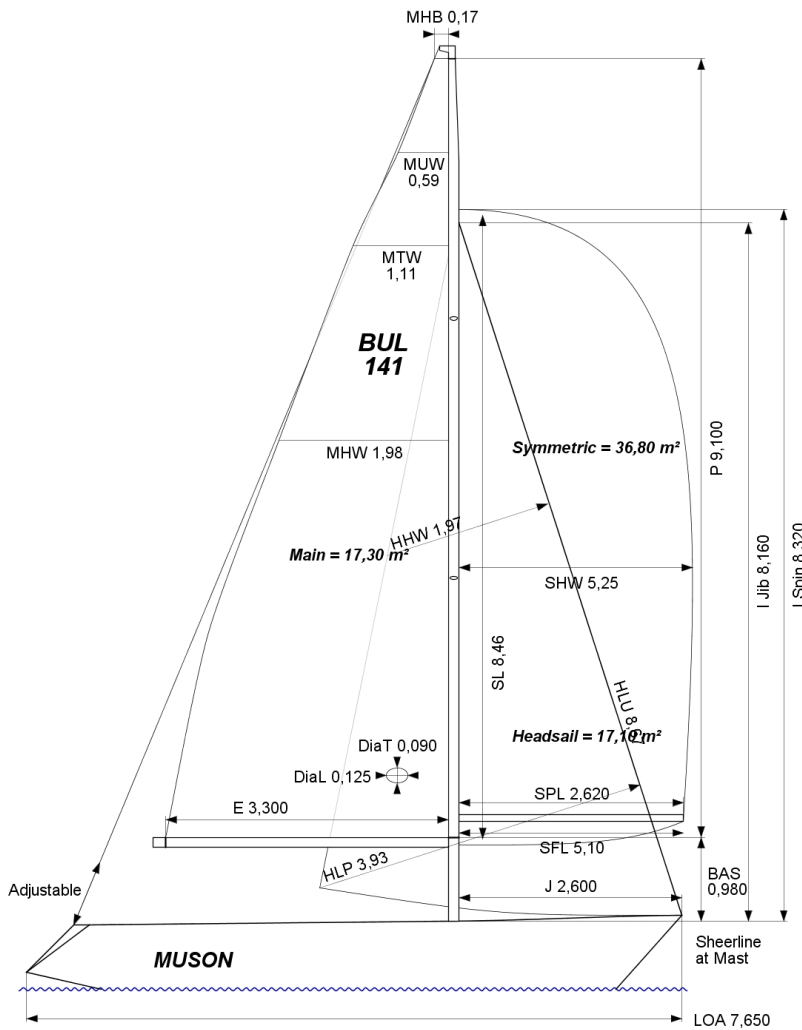
**Class Division Length**

**CDL = 6.206**

**Stability (Estimated)**

Limit Positive Stab.: **109.5°**  
Stability Index: **102.8**

**Owner**



BOAT	GPH	HULL
Name <b>Muson</b> Sail Nr <b>BUL-141</b>	<b>748.1</b>	Data File <b>BUL141</b> LOA <b>7.650m</b> Offset File <b>C760.off</b> MB <b>2.756m</b> Displacement <b>1,920kg</b> Draft <b>1.565m</b>
<b>CLASS</b> Class <b>Conrad 25RT</b> Designer <b>Peterson</b> Builder <b>Gdansk, Poland</b> Series <b>01/1976</b> Age Date <b>06/1985</b> Age Allowance <b>0.487%</b>		IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0.205%</b> Plan Review Construction <b>Solid</b> Fiber Rigging <b>No</b> Aramid Core <b>No</b> Crew Arm Ex Carbon Rudder <b>No</b> Light Stanchions <b>No</b>
<b>COMMENTS</b>		IMSL <b>6.340m</b> VCGD <b>0.084m</b> Sink <b>8.82kg/mm</b> RL <b>6.071m</b> VCGM <b>0.040m</b> WS <b>12.06m²</b> LSM0 <b>6.288m</b> Displacement/Length ratio <b>7.7226</b>
<b>PROPELLER</b> Type <b>No Propeller</b>		Water Ballast <b>0</b> Trim Tab <b>No</b> BLR Index <b>0.0000</b>
		<b>CENTERBOARD</b>  <b>N/A</b>
<b>SCORING OPTIONS</b>		
	<b>COASTAL / LONG DISTANCE</b>	<b>WINDWARD / LEEWARD</b>
Time on Distance	<b>726.7</b>	<b>803.5</b>
Time on Time	<b>0.8256</b>	<b>0.8400</b>
Triple Number	Low Medium High	Low Medium High
Time on Distance	<b>850.4 664.6 597.4</b>	<b>1092.4 806.4 708.3</b>
Time on Time	<b>0.7937 1.0156 1.1299</b>	<b>0.6179 0.8371 0.9530</b>

# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name <b>Muson</b>	Certificate Number <b>042/20</b>
Sail Nr <b>BUL-141</b>	Issued On <b>30/06/2020</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1224.1</b>	<b>1034.1</b>	<b>918.9</b>	<b>857.0</b>	<b>836.2</b>	<b>829.0</b>	<b>839.2</b>
52°	<b>810.4</b>	<b>689.4</b>	<b>637.3</b>	<b>614.2</b>	<b>602.3</b>	<b>597.4</b>	<b>596.1</b>
60°	<b>769.9</b>	<b>661.7</b>	<b>622.1</b>	<b>601.4</b>	<b>587.4</b>	<b>579.7</b>	<b>575.4</b>
75°	<b>742.0</b>	<b>645.1</b>	<b>610.4</b>	<b>589.0</b>	<b>570.5</b>	<b>555.1</b>	<b>540.3</b>
90°	<b>750.7</b>	<b>638.5</b>	<b>597.2</b>	<b>571.3</b>	<b>552.6</b>	<b>543.3</b>	<b>515.5</b>
110°	<b>751.5</b>	<b>635.8</b>	<b>593.8</b>	<b>563.5</b>	<b>534.9</b>	<b>511.9</b>	<b>486.0</b>
120°	<b>778.6</b>	<b>649.6</b>	<b>601.4</b>	<b>570.5</b>	<b>540.5</b>	<b>514.0</b>	<b>473.9</b>
135°	<b>872.7</b>	<b>713.3</b>	<b>624.7</b>	<b>590.4</b>	<b>561.5</b>	<b>533.1</b>	<b>485.1</b>
150°	<b>1017.7</b>	<b>812.7</b>	<b>686.7</b>	<b>618.9</b>	<b>588.2</b>	<b>561.2</b>	<b>510.9</b>
Run VMG	<b>1175.2</b>	<b>936.3</b>	<b>788.9</b>	<b>684.6</b>	<b>625.1</b>	<b>593.4</b>	<b>541.5</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1199.6</b>	<b>985.2</b>	<b>853.9</b>	<b>770.8</b>	<b>730.7</b>	<b>711.2</b>	<b>690.4</b>
Circular Random	<b>1022.3</b>	<b>829.2</b>	<b>726.3</b>	<b>667.0</b>	<b>631.1</b>	<b>608.3</b>	<b>580.9</b>
Coastal / Long Distance	<b>1197.2</b>	<b>926.3</b>	<b>774.4</b>	<b>685.5</b>	<b>641.9</b>	<b>609.6</b>	<b>554.6</b>
Non Spinnaker	<b>1064.5</b>	<b>859.6</b>	<b>749.7</b>	<b>685.9</b>	<b>647.0</b>	<b>622.2</b>	<b>593.4</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>41.6°</b>	<b>41.8°</b>	<b>40.5°</b>	<b>38.6°</b>	<b>37.9°</b>	<b>37.9°</b>	<b>39.0°</b>
Beat VMG	<b>2.94</b>	<b>3.48</b>	<b>3.92</b>	<b>4.20</b>	<b>4.31</b>	<b>4.34</b>	<b>4.29</b>
52°	<b>4.44</b>	<b>5.22</b>	<b>5.65</b>	<b>5.86</b>	<b>5.98</b>	<b>6.03</b>	<b>6.04</b>
60°	<b>4.68</b>	<b>5.44</b>	<b>5.79</b>	<b>5.99</b>	<b>6.13</b>	<b>6.21</b>	<b>6.26</b>
75°	<b>4.85</b>	<b>5.58</b>	<b>5.90</b>	<b>6.11</b>	<b>6.31</b>	<b>6.49</b>	<b>6.66</b>
90°	<b>4.80</b>	<b>5.64</b>	<b>6.03</b>	<b>6.30</b>	<b>6.51</b>	<b>6.63</b>	<b>6.98</b>
110°	<b>4.79</b>	<b>5.66</b>	<b>6.06</b>	<b>6.39</b>	<b>6.73</b>	<b>7.03</b>	<b>7.41</b>
120°	<b>4.62</b>	<b>5.54</b>	<b>5.99</b>	<b>6.31</b>	<b>6.66</b>	<b>7.00</b>	<b>7.60</b>
135°	<b>4.12</b>	<b>5.05</b>	<b>5.76</b>	<b>6.10</b>	<b>6.41</b>	<b>6.75</b>	<b>7.42</b>
150°	<b>3.54</b>	<b>4.43</b>	<b>5.24</b>	<b>5.82</b>	<b>6.12</b>	<b>6.41</b>	<b>7.05</b>
Run VMG	<b>3.06</b>	<b>3.85</b>	<b>4.56</b>	<b>5.26</b>	<b>5.76</b>	<b>6.07</b>	<b>6.65</b>
Gybe Angles	<b>149.0°</b>	<b>154.0°</b>	<b>153.0°</b>	<b>170.0°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>