



**ORC**  
Offshore Racing Congress  
World leader in rating technology

**2020  
ORC Club  
Certificate**

**Rating Office**

**Offshore  
Racing  
Congress**



**Certificate**

Number **062/20**  
Issued On **03/10/2020**  
ORC Ref **02920000RES**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**

**Crew Weight**

Default 617kg  
Maximum **780kg**  
Minimum\* **585kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>636.8</b>	<b>0.9422</b>
Non Spin OSN	<b>617.5</b>	<b>0.9716</b>

**Sails Limitations**

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

**Asymmetric on centerline**

**Spinnaker configuration**  
Symmetric: **No**  
Asymmetric: **Yes 119.04**  
Flying H/S: **No**  
Spin. Pole: **No**

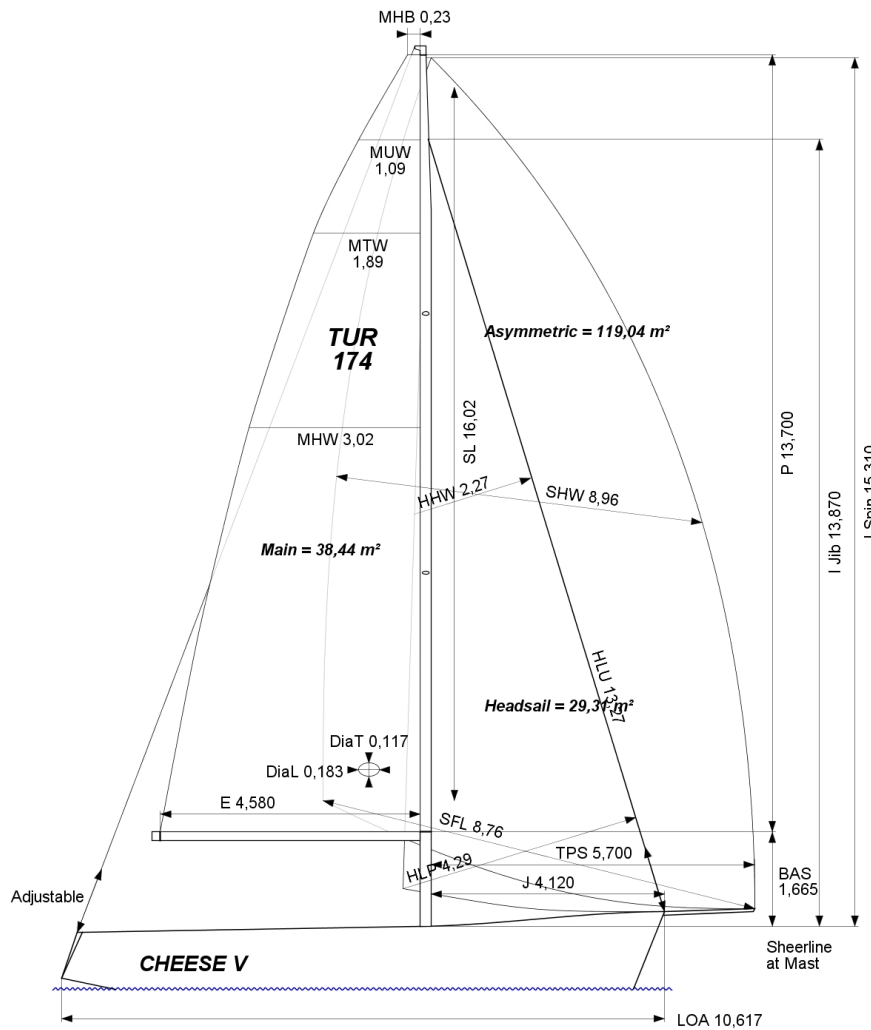
**Class Division Length**

**CDL = 9.560**

**Stability (Estimated)**

Limit Positive Stab.: **119.3°**  
Stability Index: **115.9**

**Owner**



BOAT	GPH	HULL				
Name <b>Cheese V</b> Sail Nr <b>TUR-174</b>	<b>593.5</b>	Data File <b>TUR965</b> LOA <b>10.617m</b> Offset File <b>F234.OFF</b> MB <b>3.594m</b> Displacement <b>4,445kg</b> Draft <b>2.153m</b>				
CLASS Class <b>A-35</b> Designer <b>Nivelt</b> Builder <b>Arhambault</b> Series <b>11/2005</b> Age Date <b>01/2008</b> Age Allowance <b>0.487%</b>	IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0.082%</b> Plan Review Construction <b>Cored</b> Fiber Rigging <b>No</b> Aramid Core <b>No</b> Crew Arm Ex Carbon Rudder <b>No</b> Light Stanchions <b>No</b>					
	IMSL <b>9.607m</b> VCGD <b>-0.054m</b> Sink <b>17.54kg/mm</b> RL <b>9.524m</b> VCGM <b>0.002m</b> WS <b>22.84m²</b> LSM0 <b>9.262m</b> Displacement/Length ratio <b>5.5945</b>					
COMMENTS	Water Ballast <b>0</b> Trim Tab <b>No</b> BLR Index <b>0.0000</b>					
PROPELLER Installation <b>Strut</b> PRD <b>0.380</b> Type <b>Folding 2 blades</b> PIPA <b>0.0034</b>	CENTERBOARD <b>N/A</b>					
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	<b>577.3</b>			<b>647.9</b>		
Time on Time	<b>1.0394</b>			<b>1.0419</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>672.4</b>	<b>528.0</b>	<b>472.7</b>	<b>866.7</b>	<b>648.7</b>	<b>575.2</b>
Time on Time	<b>1.0039</b>	<b>1.2783</b>	<b>1.4280</b>	<b>0.7788</b>	<b>1.0405</b>	<b>1.1735</b>

# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>		Certificate Number	062/20
Name	<b>Cheese V</b>	Issued On	<b>03/10/2020</b>
Sail Nr	<b>TUR-174</b>		

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1001.6</b>	<b>826.5</b>	<b>726.4</b>	<b>684.2</b>	<b>669.3</b>	<b>663.2</b>	<b>650.6</b>
52°	<b>656.5</b>	<b>554.2</b>	<b>508.0</b>	<b>489.6</b>	<b>482.5</b>	<b>479.0</b>	<b>472.9</b>
60°	<b>621.5</b>	<b>532.4</b>	<b>496.5</b>	<b>478.5</b>	<b>468.7</b>	<b>464.0</b>	<b>458.8</b>
75°	<b>597.8</b>	<b>517.9</b>	<b>487.6</b>	<b>467.4</b>	<b>450.3</b>	<b>438.4</b>	<b>429.3</b>
90°	<b>591.5</b>	<b>504.7</b>	<b>479.8</b>	<b>465.3</b>	<b>445.4</b>	<b>425.5</b>	<b>397.9</b>
110°	<b>580.8</b>	<b>496.8</b>	<b>463.0</b>	<b>437.3</b>	<b>421.3</b>	<b>407.2</b>	<b>378.7</b>
120°	<b>596.0</b>	<b>503.2</b>	<b>467.1</b>	<b>435.4</b>	<b>406.0</b>	<b>386.7</b>	<b>355.6</b>
135°	<b>666.1</b>	<b>539.5</b>	<b>487.0</b>	<b>456.0</b>	<b>425.5</b>	<b>395.6</b>	<b>328.6</b>
150°	<b>788.5</b>	<b>630.7</b>	<b>536.9</b>	<b>491.5</b>	<b>468.2</b>	<b>446.3</b>	<b>389.5</b>
Run VMG	<b>910.5</b>	<b>728.2</b>	<b>619.9</b>	<b>566.8</b>	<b>539.1</b>	<b>498.7</b>	<b>449.7</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>956.1</b>	<b>777.4</b>	<b>673.1</b>	<b>625.5</b>	<b>604.2</b>	<b>580.9</b>	<b>550.2</b>
Circular Random	<b>810.1</b>	<b>657.1</b>	<b>576.3</b>	<b>530.0</b>	<b>501.2</b>	<b>481.1</b>	<b>451.1</b>
Coastal / Long Distance	<b>951.5</b>	<b>730.5</b>	<b>610.7</b>	<b>547.6</b>	<b>513.7</b>	<b>483.4</b>	<b>432.2</b>
Non Spinnaker	<b>891.7</b>	<b>713.8</b>	<b>617.0</b>	<b>559.9</b>	<b>524.1</b>	<b>500.1</b>	<b>468.6</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>42.8°</b>	<b>41.3°</b>	<b>39.4°</b>	<b>38.1°</b>	<b>37.5°</b>	<b>37.1°</b>	<b>36.8°</b>
Beat VMG	<b>3.59</b>	<b>4.36</b>	<b>4.96</b>	<b>5.26</b>	<b>5.38</b>	<b>5.43</b>	<b>5.53</b>
52°	<b>5.48</b>	<b>6.50</b>	<b>7.09</b>	<b>7.35</b>	<b>7.46</b>	<b>7.52</b>	<b>7.61</b>
60°	<b>5.79</b>	<b>6.76</b>	<b>7.25</b>	<b>7.52</b>	<b>7.68</b>	<b>7.76</b>	<b>7.85</b>
75°	<b>6.02</b>	<b>6.95</b>	<b>7.38</b>	<b>7.70</b>	<b>7.99</b>	<b>8.21</b>	<b>8.39</b>
90°	<b>6.09</b>	<b>7.13</b>	<b>7.50</b>	<b>7.74</b>	<b>8.08</b>	<b>8.46</b>	<b>9.05</b>
110°	<b>6.20</b>	<b>7.25</b>	<b>7.77</b>	<b>8.23</b>	<b>8.55</b>	<b>8.84</b>	<b>9.51</b>
120°	<b>6.04</b>	<b>7.15</b>	<b>7.71</b>	<b>8.27</b>	<b>8.87</b>	<b>9.31</b>	<b>10.12</b>
135°	<b>5.40</b>	<b>6.67</b>	<b>7.39</b>	<b>7.89</b>	<b>8.46</b>	<b>9.10</b>	<b>10.96</b>
150°	<b>4.57</b>	<b>5.71</b>	<b>6.71</b>	<b>7.32</b>	<b>7.69</b>	<b>8.07</b>	<b>9.24</b>
Run VMG	<b>3.95</b>	<b>4.94</b>	<b>5.81</b>	<b>6.35</b>	<b>6.68</b>	<b>7.22</b>	<b>8.01</b>
Gybe Angles	<b>144.0°</b>	<b>147.0°</b>	<b>149.0°</b>	<b>151.0°</b>	<b>174.0°</b>	<b>177.0°</b>	<b>142.0°</b>