



**ORC**

Offshore Racing Congress  
World leader in rating technology

**2020  
ORC Club  
Certificate**

**Rating Office  
CYPRUS SAILING  
FEDERATION**



**Certificate**

Number **02/20**  
Issued On **15/07/2020**  
ORC Ref **03470000MIT**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**

**Crew Weight**

Default 529kg  
Maximum **500kg**  
Minimum\* **375kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

ToD ToT  
Non Spin GPH **654.0 0.9174**  
Non Spin OSN **633.4 0.9472**

**Sails Limitations**

Headsails **5** Spinnakers **4**  
**Woven Polyester**  
**Asymmetric on centerline**  
**Spinnaker configuration**  
Symmetric: **No**  
Asymmetric: **Yes 83.19**  
Flying H/S: **No**  
Spin. Pole: **No**

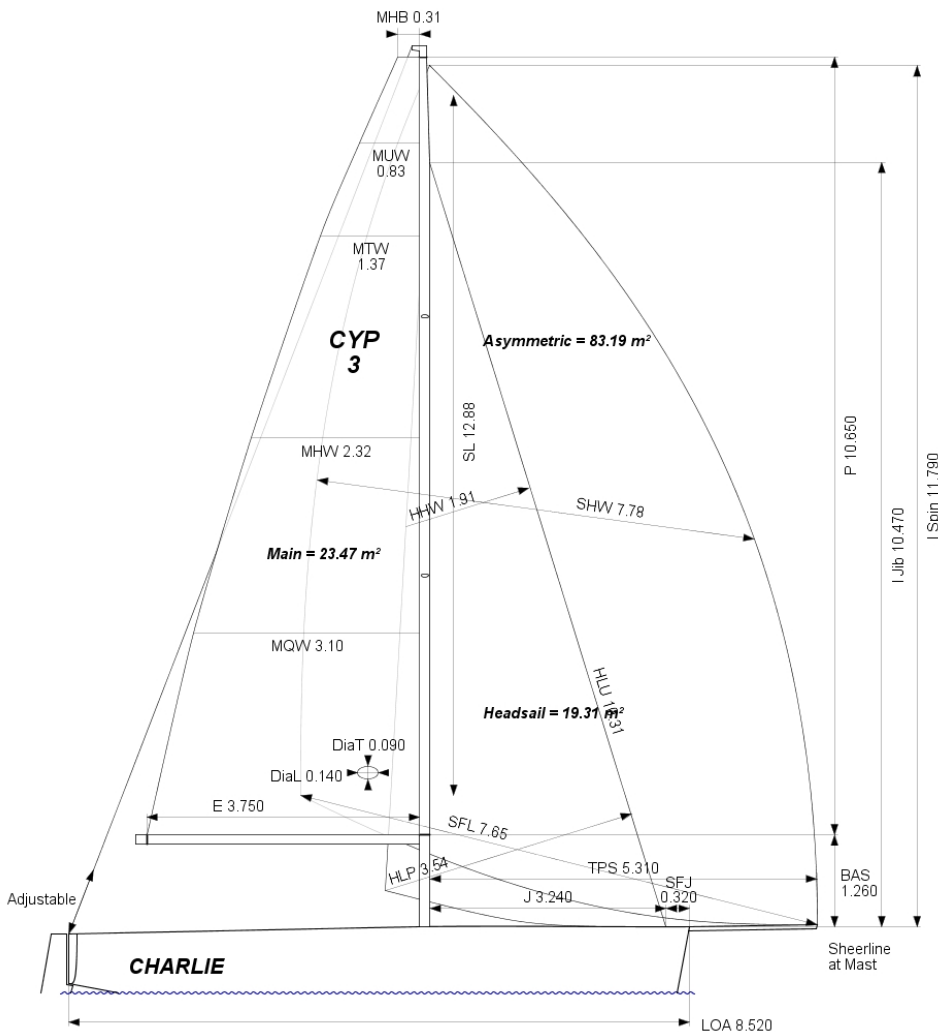
**Class Division Length**

**CDL = 8.396**

**Stability (Measured)**

Limit Positive Stab.: **110.4°**  
Stability Index: **103.2**

**Owner**



<b>BOAT</b> Name <b>CHARLIE</b> Sail Nr <b>CYP 3</b>		<b>GPH</b> <b>599.4</b>	<b>HULL</b> Data File <b>CHARLIE CYP 3</b> LOA <b>8.520m</b> Offset File <b>fareast28r.off</b> MB <b>2.788m</b> Displacement <b>1,318kg</b> Draft <b>1.712m</b>			
<b>CLASS</b> Class <b>Fareast 28R</b> Designer <b>Simonis-Voogd</b> Builder <b>Fareast Boats</b> Series <b>02/2015, CIN CN-FEB28D42A818</b> Age Date <b>12/2017</b> Age Allowance <b>0.163%</b>		IMS Division <b>Sportboat</b> Dynamic All. <b>0.188%</b> Plan Review Construction <b>Cored</b> Fiber Rigging <b>No</b> Aramid Core <b>No</b> Crew Arm Ex Carbon Rudder <b>Yes</b> Light Stanchions <b>No</b>		IMSL <b>8.420m</b> VCGD <b>-0.093m</b> Sink <b>11.64kg/mm</b> RL <b>8.397m</b> VCGM <b>-0.080m</b> WS <b>14.52m²</b> LSM0 <b>8.311m</b> Displacement/Length ratio <b>2.2959</b>		
<b>COMMENTS</b> RE: YURY SPIRIDONOV CYPRUS INERNATIONAL SAILING CLUB		Water Ballast Trim Tab <b>No</b> BLR Index <b>0.0000</b>		<b>CENTERBOARD</b>  <b>N/A</b>		
<b>PROPELLER</b> Type <b>No Propeller</b>						
<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>581.5</b>			<b>661.7</b>		
Time on Time	<b>1.0318</b>			<b>1.0202</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>693.1</b>	<b>531.7</b>	<b>455.3</b>	<b>898.0</b>	<b>666.1</b>	<b>566.3</b>
Time on Time	<b>0.9739</b>	<b>1.2695</b>	<b>1.4826</b>	<b>0.7517</b>	<b>1.0133</b>	<b>1.1919</b>

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## ORC Club Certificate Appendix

**BOAT**Name **CHARLIE**  
Sail Nr **CYP 3**Certificate Number **02/20**  
Issued On **15/07/2020****TIME ALLOWANCES**

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1068.5</b>	<b>864.5</b>	<b>758.4</b>	<b>728.7</b>	<b>720.1</b>	<b>717.8</b>	<b>710.4</b>
52°	<b>687.5</b>	<b>571.5</b>	<b>527.2</b>	<b>510.1</b>	<b>503.0</b>	<b>499.7</b>	<b>485.9</b>
60°	<b>643.4</b>	<b>549.1</b>	<b>510.6</b>	<b>484.9</b>	<b>474.6</b>	<b>469.8</b>	<b>454.7</b>
75°	<b>611.0</b>	<b>533.7</b>	<b>494.7</b>	<b>453.3</b>	<b>432.3</b>	<b>422.8</b>	<b>411.0</b>
90°	<b>602.2</b>	<b>519.9</b>	<b>490.2</b>	<b>451.9</b>	<b>407.8</b>	<b>383.5</b>	<b>365.9</b>
110°	<b>585.9</b>	<b>504.7</b>	<b>449.7</b>	<b>421.4</b>	<b>395.5</b>	<b>370.6</b>	<b>332.0</b>
120°	<b>600.0</b>	<b>511.9</b>	<b>450.1</b>	<b>400.6</b>	<b>373.7</b>	<b>352.0</b>	<b>313.1</b>
135°	<b>677.9</b>	<b>544.7</b>	<b>486.0</b>	<b>428.5</b>	<b>371.2</b>	<b>325.8</b>	<b>271.0</b>
150°	<b>804.7</b>	<b>632.0</b>	<b>541.6</b>	<b>489.9</b>	<b>437.5</b>	<b>385.4</b>	<b>286.1</b>
Run VMG	<b>929.2</b>	<b>729.8</b>	<b>626.6</b>	<b>565.7</b>	<b>505.1</b>	<b>445.0</b>	<b>330.4</b>

**Selected Courses**

Windward / Leeward	<b>998.9</b>	<b>797.2</b>	<b>692.5</b>	<b>647.2</b>	<b>612.6</b>	<b>581.4</b>	<b>520.4</b>
Circular Random	<b>832.3</b>	<b>670.2</b>	<b>581.9</b>	<b>528.6</b>	<b>492.8</b>	<b>466.1</b>	<b>425.0</b>
Coastal / Long Distance	<b>991.9</b>	<b>748.4</b>	<b>624.8</b>	<b>555.0</b>	<b>508.2</b>	<b>467.7</b>	<b>397.8</b>
Non Spinnaker	<b>926.5</b>	<b>737.1</b>	<b>633.2</b>	<b>570.8</b>	<b>530.5</b>	<b>501.9</b>	<b>460.3</b>

**Velocity Prediction in Knots for True Wind Speeds**

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	<b>43.9°</b>	<b>42.8°</b>	<b>39.8°</b>	<b>39.0°</b>	<b>38.6°</b>	<b>38.8°</b>	<b>39.4°</b>
Beat VMG	<b>3.37</b>	<b>4.16</b>	<b>4.75</b>	<b>4.94</b>	<b>5.00</b>	<b>5.02</b>	<b>5.07</b>
52°	<b>5.24</b>	<b>6.30</b>	<b>6.83</b>	<b>7.06</b>	<b>7.16</b>	<b>7.20</b>	<b>7.41</b>
60°	<b>5.60</b>	<b>6.56</b>	<b>7.05</b>	<b>7.42</b>	<b>7.58</b>	<b>7.66</b>	<b>7.92</b>
75°	<b>5.89</b>	<b>6.74</b>	<b>7.28</b>	<b>7.94</b>	<b>8.33</b>	<b>8.51</b>	<b>8.76</b>
90°	<b>5.98</b>	<b>6.92</b>	<b>7.34</b>	<b>7.97</b>	<b>8.83</b>	<b>9.39</b>	<b>9.84</b>
110°	<b>6.14</b>	<b>7.13</b>	<b>8.01</b>	<b>8.54</b>	<b>9.10</b>	<b>9.71</b>	<b>10.84</b>
120°	<b>6.00</b>	<b>7.03</b>	<b>8.00</b>	<b>8.99</b>	<b>9.63</b>	<b>10.23</b>	<b>11.50</b>
135°	<b>5.31</b>	<b>6.61</b>	<b>7.41</b>	<b>8.40</b>	<b>9.70</b>	<b>11.05</b>	<b>13.29</b>
150°	<b>4.47</b>	<b>5.70</b>	<b>6.65</b>	<b>7.35</b>	<b>8.23</b>	<b>9.34</b>	<b>12.58</b>
Run VMG	<b>3.87</b>	<b>4.93</b>	<b>5.75</b>	<b>6.36</b>	<b>7.13</b>	<b>8.09</b>	<b>10.90</b>
Gybe Angles	<b>143.5°</b>	<b>146.0°</b>	<b>151.0°</b>	<b>148.8°</b>	<b>144.5°</b>	<b>144.9°</b>	<b>142.1°</b>