



**ORC**

Offshore Racing Congress  
World leader in rating technology

**2020**  
**ORC Club**  
**Certificate**

**Rating Office**  
**CYPRUS SAILING**  
**FEDERATION**



**Certificate**

Number **06/20**  
Issued On **17/07/2020**  
ORC Ref **03470000MN6**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**

**Crew Weight**

Default 529kg  
Maximum **400kg**  
Minimum\* **300kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>669.0</b>	<b>0.8969</b>
Non Spin OSN	<b>647.6</b>	<b>0.9265</b>

**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**

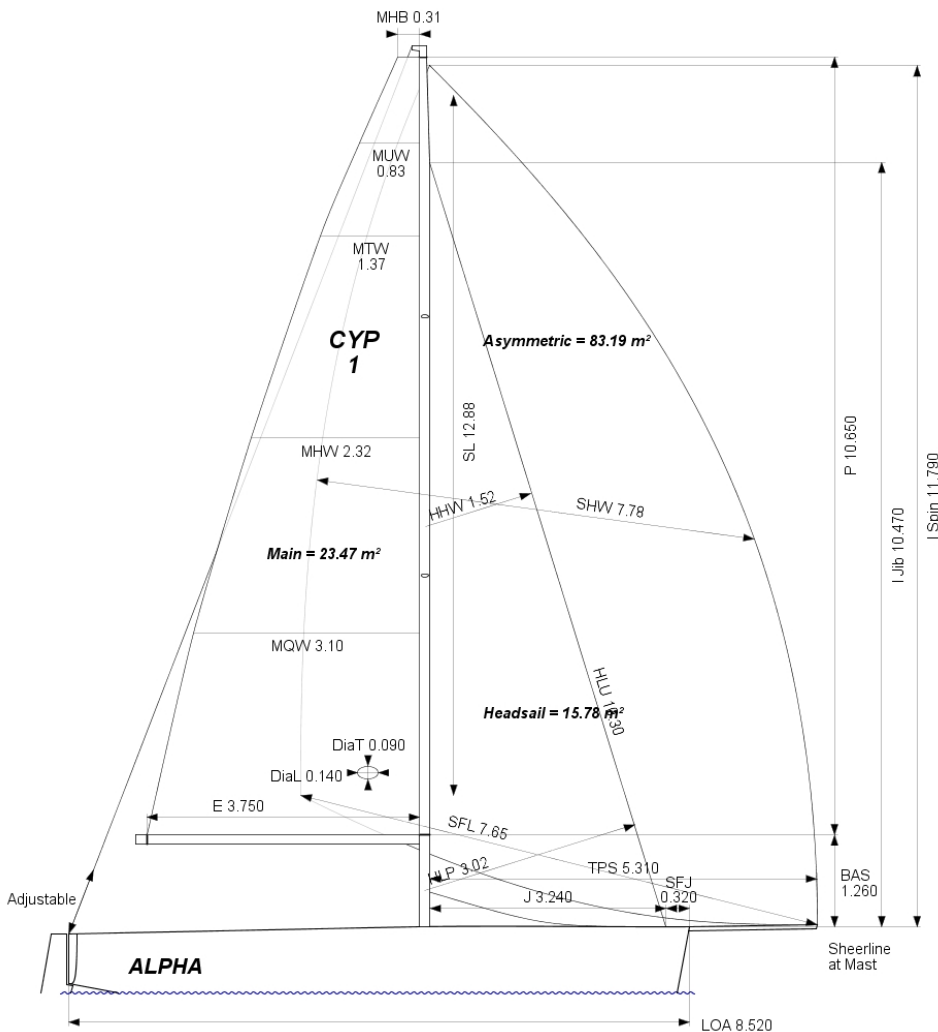
**Class Division Length**

CDL = **8.177**

**Stability (Measured)**

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

**Owner**



BOAT		GPH		HULL		
Name <b>ALPHA</b> Sail Nr <b>CYP 1</b>		<b>609.9</b>		Data File <b>ALFA CYP 1</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>	
				IMS Division <b>Sportboat</b>	Dynamic All. <b>0.191%</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>	
				RL <b>7.960m</b>	VCGM <b>-0.080m</b>	
				WS <b>14.52m<sup>2</sup></b>		
				LSM0 <b>8.311m</b>	Displacement/Length ratio <b>2.2959</b>	
				Water Ballast <b>0</b>	Trim Tab <b>No</b>	
				BLR Index <b>0.0000</b>		
<b>CLASS</b>		<b>CENTERBOARD</b>				
Class <b>Fareast 28R</b>		N/A				
Designer <b>Simonis-Voogd</b>						
Builder <b>Fareast Boats</b>						
Series <b>02/2015, CIN CN-FEB28D37A818</b>						
Age Date <b>02/2018</b>						
Age Allowance <b>0.163%</b>						
<b>COMMENTS</b>						
RE: ARTEM MOCHALOV CYPRUS INERNATIONAL SAILING CLUB						
<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>592.2</b>			<b>672.6</b>		
Time on Time	<b>1.0132</b>			<b>1.0036</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>703.8</b>	<b>541.0</b>	<b>466.1</b>	<b>913.0</b>	<b>676.5</b>	<b>577.1</b>
Time on Time	<b>0.9591</b>	<b>1.2477</b>	<b>1.4483</b>	<b>0.7393</b>	<b>0.9978</b>	<b>1.1696</b>

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## ORC Club Certificate Appendix

**BOAT**Name **ALPHA**  
Sail Nr **CYP 1**Certificate Number **06/20**  
Issued On **17/07/2020****TIME ALLOWANCES**

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1102.3</b>	<b>891.3</b>	<b>778.7</b>	<b>748.4</b>	<b>741.3</b>	<b>739.0</b>	<b>729.8</b>
52°	<b>710.4</b>	<b>586.8</b>	<b>536.0</b>	<b>519.7</b>	<b>514.1</b>	<b>512.2</b>	<b>499.1</b>
60°	<b>665.3</b>	<b>560.9</b>	<b>519.6</b>	<b>496.5</b>	<b>487.5</b>	<b>483.7</b>	<b>467.3</b>
75°	<b>633.1</b>	<b>543.6</b>	<b>505.0</b>	<b>465.6</b>	<b>444.4</b>	<b>435.8</b>	<b>424.8</b>
90°	<b>603.1</b>	<b>526.8</b>	<b>501.0</b>	<b>464.2</b>	<b>422.0</b>	<b>396.1</b>	<b>379.0</b>
110°	<b>587.3</b>	<b>505.4</b>	<b>458.9</b>	<b>432.8</b>	<b>408.0</b>	<b>381.3</b>	<b>344.6</b>
120°	<b>599.8</b>	<b>511.9</b>	<b>451.4</b>	<b>410.4</b>	<b>385.2</b>	<b>359.7</b>	<b>323.2</b>
135°	<b>677.6</b>	<b>544.6</b>	<b>485.8</b>	<b>428.2</b>	<b>372.1</b>	<b>329.2</b>	<b>281.4</b>
150°	<b>804.6</b>	<b>631.9</b>	<b>541.6</b>	<b>489.8</b>	<b>437.2</b>	<b>385.3</b>	<b>288.9</b>
Run VMG	<b>929.0</b>	<b>729.6</b>	<b>626.6</b>	<b>565.5</b>	<b>504.8</b>	<b>444.9</b>	<b>333.6</b>

**Selected Courses**

Windward / Leeward	<b>1015.6</b>	<b>810.5</b>	<b>702.6</b>	<b>657.0</b>	<b>623.1</b>	<b>591.9</b>	<b>531.7</b>
Circular Random	<b>845.7</b>	<b>681.2</b>	<b>592.1</b>	<b>538.6</b>	<b>503.1</b>	<b>476.8</b>	<b>436.7</b>
Coastal / Long Distance	<b>1007.0</b>	<b>760.0</b>	<b>633.7</b>	<b>565.3</b>	<b>519.5</b>	<b>478.2</b>	<b>408.7</b>
Non Spinnaker	<b>950.2</b>	<b>754.6</b>	<b>647.4</b>	<b>583.4</b>	<b>542.3</b>	<b>513.6</b>	<b>472.8</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>44.3°</b>	<b>42.8°</b>	<b>40.5°</b>	<b>39.8°</b>	<b>39.8°</b>	<b>39.8°</b>	<b>40.5°</b>
Beat VMG	<b>3.27</b>	<b>4.04</b>	<b>4.62</b>	<b>4.81</b>	<b>4.86</b>	<b>4.87</b>	<b>4.93</b>
52°	<b>5.07</b>	<b>6.13</b>	<b>6.72</b>	<b>6.93</b>	<b>7.00</b>	<b>7.03</b>	<b>7.21</b>
60°	<b>5.41</b>	<b>6.42</b>	<b>6.93</b>	<b>7.25</b>	<b>7.38</b>	<b>7.44</b>	<b>7.70</b>
75°	<b>5.69</b>	<b>6.62</b>	<b>7.13</b>	<b>7.73</b>	<b>8.10</b>	<b>8.26</b>	<b>8.47</b>
90°	<b>5.97</b>	<b>6.83</b>	<b>7.19</b>	<b>7.76</b>	<b>8.53</b>	<b>9.09</b>	<b>9.50</b>
110°	<b>6.13</b>	<b>7.12</b>	<b>7.84</b>	<b>8.32</b>	<b>8.82</b>	<b>9.44</b>	<b>10.45</b>
120°	<b>6.00</b>	<b>7.03</b>	<b>7.98</b>	<b>8.77</b>	<b>9.35</b>	<b>10.01</b>	<b>11.14</b>
135°	<b>5.31</b>	<b>6.61</b>	<b>7.41</b>	<b>8.41</b>	<b>9.67</b>	<b>10.94</b>	<b>12.79</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>12.46</b>
Run VMG	<b>3.88</b>	<b>4.93</b>	<b>5.75</b>	<b>6.37</b>	<b>7.13</b>	<b>8.09</b>	<b>10.79</b>
Gybe Angles	<b>143.0°</b>	<b>146.0°</b>	<b>151.0°</b>	<b>148.5°</b>	<b>144.8°</b>	<b>145.0°</b>	<b>143.2°</b>