



**ORC**

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**2020  
ORC Club  
Certificate**

**Rating Office**

**Offshore  
Racing  
Congress**



**Certificate**

Number **US6354**  
Issued On **15/10/2020**  
ORC Ref **03410000S28**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**

**Crew Weight**

Default 823kg  
Maximum **823kg**  
Minimum\* **617kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>580.0</b>	<b>1.0345</b>
Non Spin OSN	<b>564.8</b>	<b>1.0624</b>

**Sails Limitations**

Headsails **6** Spinnakers **4**

**Spinnaker configuration**  
Symmetric: **No**  
Asymmetric: **Yes 79.52**  
Flying H/S: **No**  
Spin. Pole: **Yes**

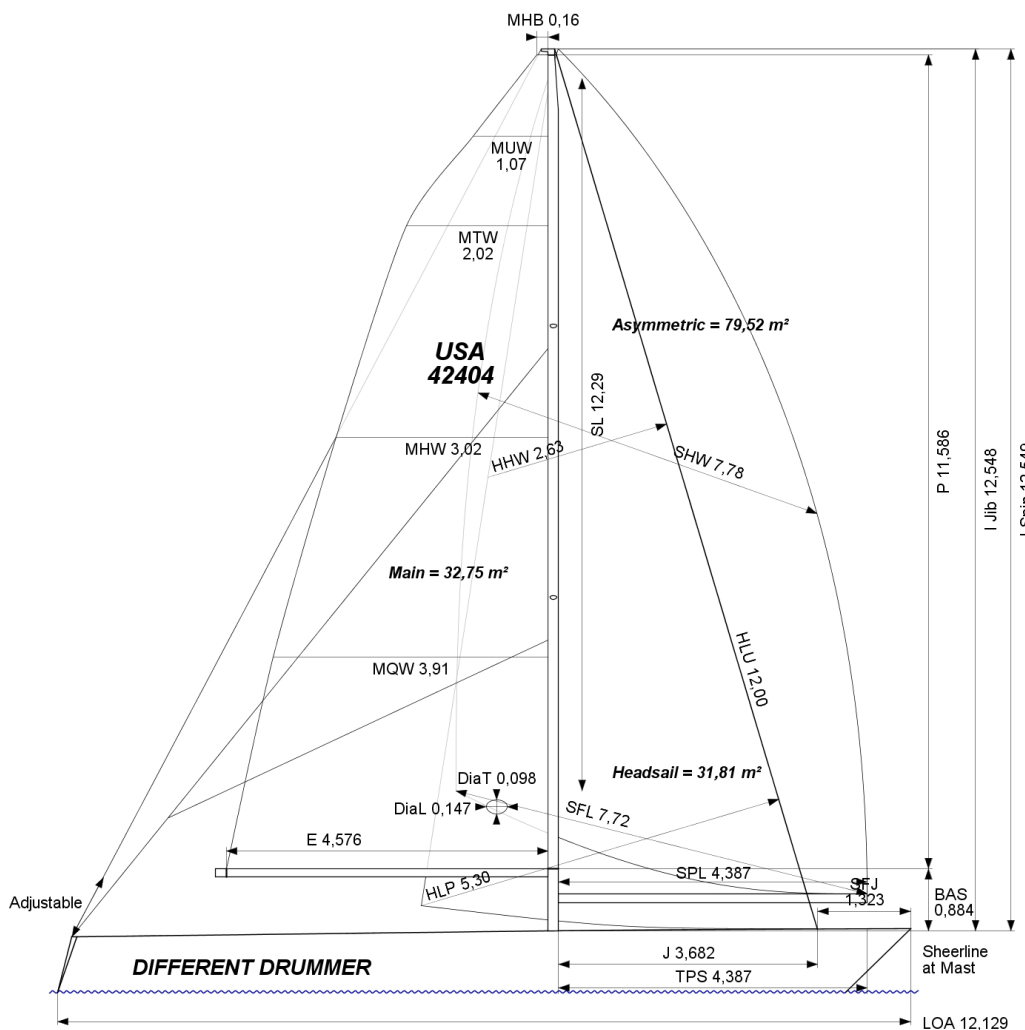
**Class Division Length**

**CDL = 11.069**

**Stability (Measured)**

Limit Positive Stab.: **147.7°**  
Stability Index: **149.3**

**Owner**



BOAT	GPH	HULL
Name <b>DIFFERENT DRUMMER</b> Sail Nr <b>USA 42404</b>	<b>546.2</b>	Data File <b>US6354</b> LOA <b>12.129m</b> Offset File <b>US42099A.off</b> MB <b>2.481m</b> Displacement <b>2,214kg</b> Draft <b>2.978m</b>
<b>CLASS</b> Class <b>CAPE BAY BOATWORKS</b> Designer <b>ADLER</b> Builder <b>CAPE BAY BOATWORKS</b> Series <b>01/1981</b> Age Date <b>01/1981</b> Age Allowance <b>0.487%</b>		IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0.119%</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>
<b>COMMENTS</b>		IMSL <b>11.317m</b> VCGD <b>-0.981m</b> Sink <b>14.20kg/mm</b> RL <b>10.834m</b> VCGM <b>-0.963m</b> WS <b>20.95m²</b> LSM0 <b>11.336m</b> Displacement/Length ratio <b>1.5198</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>NA</b>
<b>SCORING OPTIONS</b>		
	<b>COASTAL / LONG DISTANCE</b>	<b>WINDWARD / LEEWARD</b>
Time on Distance	<b>529.7</b>	<b>603.6</b>
Time on Time	<b>1.1328</b>	<b>1.1183</b>
Triple Number	Low Medium High	Low Medium High
Time on Distance	<b>637.6 481.6 413.5</b>	<b>833.6 608.1 516.6</b>
Time on Time	<b>1.0587 1.4015 1.6324</b>	<b>0.8097 1.1100 1.3067</b>

# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>			
Name	<b>DIFFERENT DRUMMER</b>	Certificate Number	<b>US6354</b>
Sail Nr	<b>USA 42404</b>	Issued On	<b>15/10/2020</b>

<b>TIME ALLOWANCES</b>								
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	
Beat VMG	<b>914.7</b>	<b>737.3</b>	<b>667.8</b>	<b>641.5</b>	<b>628.3</b>	<b>622.9</b>	<b>607.8</b>	
52°	<b>595.4</b>	<b>490.9</b>	<b>462.0</b>	<b>450.2</b>	<b>443.4</b>	<b>439.7</b>	<b>425.8</b>	
60°	<b>558.0</b>	<b>472.5</b>	<b>444.7</b>	<b>430.5</b>	<b>421.8</b>	<b>416.0</b>	<b>400.2</b>	
75°	<b>528.0</b>	<b>460.1</b>	<b>423.7</b>	<b>399.8</b>	<b>387.1</b>	<b>379.5</b>	<b>367.8</b>	
90°	<b>538.6</b>	<b>460.5</b>	<b>421.6</b>	<b>384.2</b>	<b>361.0</b>	<b>347.8</b>	<b>332.8</b>	
110°	<b>580.8</b>	<b>469.7</b>	<b>421.7</b>	<b>387.0</b>	<b>361.3</b>	<b>340.1</b>	<b>291.9</b>	
120°	<b>602.0</b>	<b>477.5</b>	<b>426.6</b>	<b>381.3</b>	<b>348.3</b>	<b>327.5</b>	<b>285.5</b>	
135°	<b>684.7</b>	<b>528.5</b>	<b>456.3</b>	<b>410.0</b>	<b>364.7</b>	<b>323.2</b>	<b>263.7</b>	
150°	<b>821.7</b>	<b>635.5</b>	<b>526.3</b>	<b>459.2</b>	<b>419.0</b>	<b>378.3</b>	<b>299.7</b>	
Run VMG	<b>948.9</b>	<b>733.8</b>	<b>607.8</b>	<b>529.8</b>	<b>483.9</b>	<b>436.8</b>	<b>346.0</b>	
<b>Selected Courses</b>								
Windward / Leeward	<b>931.8</b>	<b>735.6</b>	<b>637.8</b>	<b>585.7</b>	<b>556.1</b>	<b>529.9</b>	<b>476.9</b>	
Circular Random	<b>766.0</b>	<b>612.6</b>	<b>529.5</b>	<b>479.8</b>	<b>447.2</b>	<b>423.0</b>	<b>384.9</b>	
Coastal / Long Distance	<b>933.5</b>	<b>690.7</b>	<b>572.2</b>	<b>501.0</b>	<b>460.3</b>	<b>425.9</b>	<b>363.3</b>	
Non Spinnaker	<b>825.2</b>	<b>655.0</b>	<b>561.4</b>	<b>504.9</b>	<b>468.0</b>	<b>441.7</b>	<b>403.7</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>42.0°</b>	<b>39.8°</b>	<b>38.3°</b>	<b>37.5°</b>	<b>37.5°</b>	<b>37.1°</b>	
Beat VMG	<b>3.94</b>	<b>4.88</b>	<b>5.39</b>	<b>5.61</b>	<b>5.73</b>	<b>5.78</b>	<b>5.92</b>	
52°	<b>6.05</b>	<b>7.33</b>	<b>7.79</b>	<b>8.00</b>	<b>8.12</b>	<b>8.19</b>	<b>8.45</b>	
60°	<b>6.45</b>	<b>7.62</b>	<b>8.10</b>	<b>8.36</b>	<b>8.54</b>	<b>8.65</b>	<b>8.99</b>	
75°	<b>6.82</b>	<b>7.82</b>	<b>8.50</b>	<b>9.00</b>	<b>9.30</b>	<b>9.49</b>	<b>9.79</b>	
90°	<b>6.68</b>	<b>7.82</b>	<b>8.54</b>	<b>9.37</b>	<b>9.97</b>	<b>10.35</b>	<b>10.82</b>	
110°	<b>6.20</b>	<b>7.66</b>	<b>8.54</b>	<b>9.30</b>	<b>9.96</b>	<b>10.59</b>	<b>12.33</b>	
120°	<b>5.98</b>	<b>7.54</b>	<b>8.44</b>	<b>9.44</b>	<b>10.34</b>	<b>10.99</b>	<b>12.61</b>	
135°	<b>5.26</b>	<b>6.81</b>	<b>7.89</b>	<b>8.78</b>	<b>9.87</b>	<b>11.14</b>	<b>13.65</b>	
150°	<b>4.38</b>	<b>5.67</b>	<b>6.84</b>	<b>7.84</b>	<b>8.59</b>	<b>9.52</b>	<b>12.01</b>	
Run VMG	<b>3.79</b>	<b>4.91</b>	<b>5.92</b>	<b>6.80</b>	<b>7.44</b>	<b>8.24</b>	<b>10.40</b>	
Gybe Angles	<b>140.8°</b>	<b>139.6°</b>	<b>144.0°</b>	<b>152.3°</b>	<b>154.0°</b>	<b>149.0°</b>	<b>144.0°</b>	