



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

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

**Rating Office**

**Offshore**  
**Racing**  
**Congress**



**Certificate**

Number **US6546**  
Issued On **05/06/2020**  
ORC Ref **5341000020Q**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**

**Crew Weight**

Default 602kg  
Maximum **548kg**  
Minimum\* **411kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>640.7</b>	<b>0.9365</b>
Non Spin OSN	<b>624.2</b>	<b>0.9613</b>

**Sails Limitations**

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

**Spinnaker configuration**  
Symmetric: **Yes** **94.52**  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

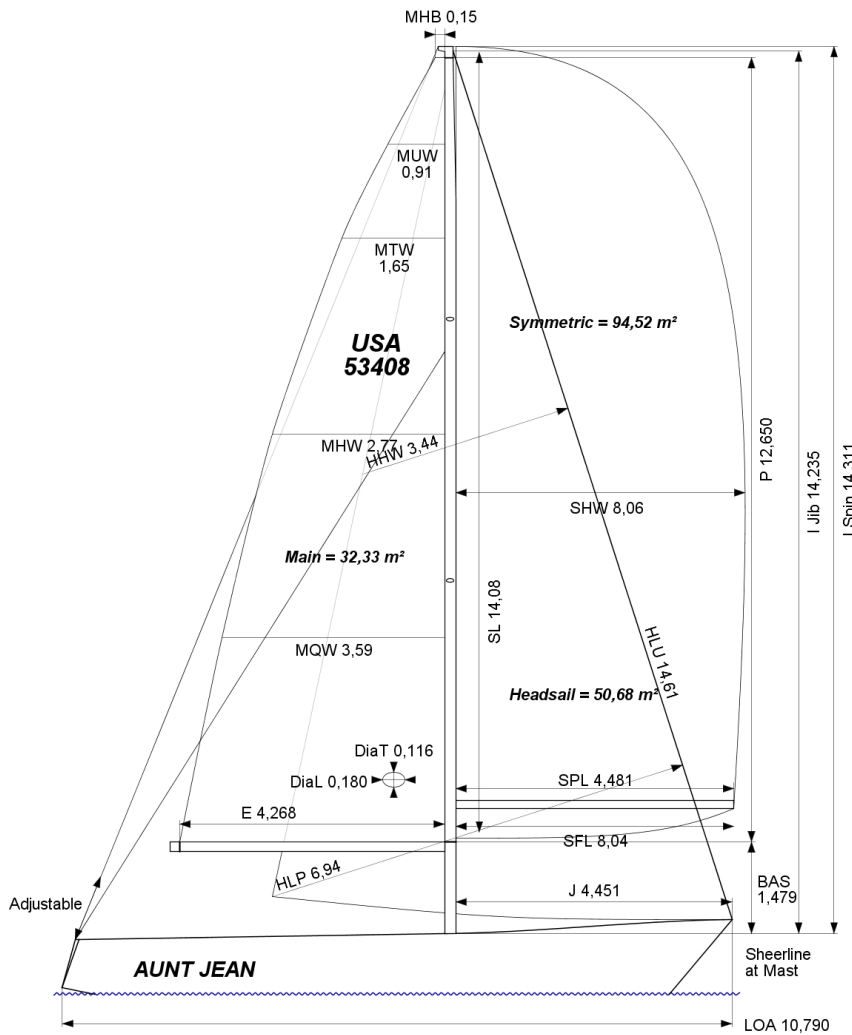
**Class Division Length**

**CDL = 9.080**

**Stability (Estimated)**

Limit Positive Stab.: **115.0°**  
Stability Index: **111.6**

**Owner**



BOAT		GPH	HULL			
Name <b>AUNT JEAN</b>	Sail Nr <b>USA 53408</b>	<b>617.6</b>	Data File <b>US6546</b>	LOA <b>10.790m</b>		
			Offset File <b>US17521.OFF</b>	MB <b>3.640m</b>		
			Displacement <b>4,643kg</b>	Draft <b>2.115m</b>		
<b>CLASS</b>			IMS Division <b>Performance</b>	Dynamic All. <b>0.000%</b>		
Class <b>J-35</b>	Designer <b>Johnstone</b>		Plan Review	Construction <b>Light</b>		
Builder <b>J-Boats</b>	Series <b>01/1983, CIN 7</b>		Fiber Rigging <b>No</b>	Aramid Core <b>No</b>		
Age Date <b>01/1983</b>	Age Allowance <b>0.487%</b>		Crew Arm Ex <b>0.00</b>	Carbon Rudder <b>No</b>		
			Light Stanchions			
<b>COMMENTS</b>			IMSL <b>9.160m</b>	VCGD <b>-0.101m</b>	Sink <b>17.52kg/mm</b>	
			RL <b>9.003m</b>	VCGM <b>-0.077m</b>	WS <b>23.48m²</b>	
			LSM0 <b>9.100m</b>	Displacement/Length ratio <b>6.1613</b>		
			Water Ballast <b>0</b>	Trim Tab <b>No</b>		
			BLR Index <b>0.0000</b>			
<b>PROPELLER</b>			<b>CENTERBOARD</b>			
Installation <b>Shaft exposed</b>	PRD <b>0.403</b>	<b>N/A</b>				
Type <b>Folding 2 blades</b>	PBW <b>0.113</b>					
	PIPA <b>0.0026</b>					
<b>SCORING OPTIONS</b>						
Time on Distance	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
	<b>601.5</b>			<b>666.4</b>		
Time on Time	<b>0.9976</b>			<b>1.0129</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>694.6</b>	<b>551.0</b>	<b>496.6</b>	<b>891.0</b>	<b>669.0</b>	<b>588.1</b>
Time on Time	<b>0.9718</b>	<b>1.2251</b>	<b>1.3592</b>	<b>0.7576</b>	<b>1.0090</b>	<b>1.1477</b>

# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>			
Name	<b>AUNT JEAN</b>	Certificate Number	<b>US6546</b>
Sail Nr	<b>USA 53408</b>	Issued On	<b>05/06/2020</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>977.2</b>	<b>815.9</b>	<b>734.5</b>	<b>703.7</b>	<b>689.3</b>	<b>681.3</b>	<b>676.2</b>
52°	<b>646.9</b>	<b>553.0</b>	<b>520.1</b>	<b>508.2</b>	<b>502.2</b>	<b>498.9</b>	<b>497.2</b>
60°	<b>614.4</b>	<b>537.0</b>	<b>509.9</b>	<b>496.7</b>	<b>489.8</b>	<b>485.7</b>	<b>482.2</b>
75°	<b>590.3</b>	<b>526.7</b>	<b>501.5</b>	<b>484.4</b>	<b>471.5</b>	<b>463.7</b>	<b>456.1</b>
90°	<b>597.4</b>	<b>528.5</b>	<b>501.3</b>	<b>481.9</b>	<b>464.3</b>	<b>449.4</b>	<b>431.6</b>
110°	<b>641.5</b>	<b>537.0</b>	<b>498.6</b>	<b>473.1</b>	<b>451.1</b>	<b>437.9</b>	<b>417.9</b>
120°	<b>658.2</b>	<b>546.1</b>	<b>503.0</b>	<b>475.3</b>	<b>449.1</b>	<b>427.0</b>	<b>399.0</b>
135°	<b>723.5</b>	<b>588.7</b>	<b>523.1</b>	<b>492.4</b>	<b>465.9</b>	<b>439.9</b>	<b>392.5</b>
150°	<b>853.0</b>	<b>680.6</b>	<b>577.1</b>	<b>521.3</b>	<b>493.2</b>	<b>468.7</b>	<b>421.7</b>
Run VMG	<b>985.0</b>	<b>785.8</b>	<b>665.6</b>	<b>589.8</b>	<b>537.3</b>	<b>504.4</b>	<b>457.1</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>981.1</b>	<b>800.9</b>	<b>700.0</b>	<b>646.8</b>	<b>613.3</b>	<b>592.8</b>	<b>566.6</b>
Circular Random	<b>838.3</b>	<b>682.2</b>	<b>600.0</b>	<b>553.1</b>	<b>524.4</b>	<b>505.4</b>	<b>480.5</b>
Coastal / Long Distance	<b>981.5</b>	<b>755.3</b>	<b>636.7</b>	<b>571.8</b>	<b>535.8</b>	<b>506.9</b>	<b>462.1</b>
Non Spinnaker	<b>878.4</b>	<b>711.1</b>	<b>621.8</b>	<b>570.3</b>	<b>538.5</b>	<b>517.5</b>	<b>490.0</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>42.0°</b>	<b>41.3°</b>	<b>39.0°</b>	<b>37.5°</b>	<b>36.9°</b>	<b>36.8°</b>	<b>36.4°</b>
Beat VMG	<b>3.68</b>	<b>4.41</b>	<b>4.90</b>	<b>5.12</b>	<b>5.22</b>	<b>5.28</b>	<b>5.32</b>
52°	<b>5.57</b>	<b>6.51</b>	<b>6.92</b>	<b>7.08</b>	<b>7.17</b>	<b>7.22</b>	<b>7.24</b>
60°	<b>5.86</b>	<b>6.70</b>	<b>7.06</b>	<b>7.25</b>	<b>7.35</b>	<b>7.41</b>	<b>7.47</b>
75°	<b>6.10</b>	<b>6.83</b>	<b>7.18</b>	<b>7.43</b>	<b>7.63</b>	<b>7.76</b>	<b>7.89</b>
90°	<b>6.03</b>	<b>6.81</b>	<b>7.18</b>	<b>7.47</b>	<b>7.75</b>	<b>8.01</b>	<b>8.34</b>
110°	<b>5.61</b>	<b>6.70</b>	<b>7.22</b>	<b>7.61</b>	<b>7.98</b>	<b>8.22</b>	<b>8.62</b>
120°	<b>5.47</b>	<b>6.59</b>	<b>7.16</b>	<b>7.57</b>	<b>8.02</b>	<b>8.43</b>	<b>9.02</b>
135°	<b>4.98</b>	<b>6.11</b>	<b>6.88</b>	<b>7.31</b>	<b>7.73</b>	<b>8.18</b>	<b>9.17</b>
150°	<b>4.22</b>	<b>5.29</b>	<b>6.24</b>	<b>6.91</b>	<b>7.30</b>	<b>7.68</b>	<b>8.54</b>
Run VMG	<b>3.65</b>	<b>4.58</b>	<b>5.41</b>	<b>6.10</b>	<b>6.70</b>	<b>7.14</b>	<b>7.88</b>
Gybe Angles	<b>145.5°</b>	<b>149.5°</b>	<b>151.0°</b>	<b>158.5°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>