

<b>BOAT</b> Name <b>SITELLA</b> Sail Nr <b>USA 132</b>	<b>GPH</b> <b>562.6</b>	<b>HULL</b> Length Overall <b>11.150m</b> Maximum Beam <b>3.294m</b> Displacement <b>4,194kg</b> Draft <b>2.183m</b> Plan Review IMS Reg. Division <b>Performance</b> Dynamic Allowance <b>0.000%</b> Hull Construction <b>Cored</b> Carbon Rudder <b>Yes</b> Crew Arm Extension IMSL <b>10.382m</b> VCGD <b>-0.178m</b> Sink <b>18.06kg/mm</b> RL <b>9.895m</b> VCGM <b>-0.187m</b> WS <b>23.42m<sup>2</sup></b> LSM0 <b>10.079m</b> Displacement/Length ratio <b>4.0962</b>
<b>GENERAL</b> Class <b>J 111</b> Designer <b>Johnstone</b> Builder <b>J Composites</b> Series <b>01/2010</b> Age <b>11/2018</b> Age Allowance <b>0.325%</b> Offset File <b>J111.OFF - 15/06/2020 12:14:40</b> Measurement by - <b>11/10/2020</b>		



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<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>552.6</b>			<b>624.6</b>		
Time on Time	<b>1.0857</b>			<b>1.0808</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>626.5</b>	<b>504.9</b>	<b>452.0</b>	<b>818.2</b>	<b>625.9</b>	<b>554.0</b>
Time on Time	<b>1.0774</b>	<b>1.3368</b>	<b>1.4933</b>	<b>0.8250</b>	<b>1.0785</b>	<b>1.2184</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>915.7</b>	<b>769.7</b>	<b>698.1</b>	<b>671.3</b>	<b>660.8</b>	<b>651.0</b>	<b>643.3</b>
52°	<b>587.5</b>	<b>510.6</b>	<b>488.3</b>	<b>477.0</b>	<b>472.0</b>	<b>469.6</b>	<b>461.2</b>
60°	<b>545.2</b>	<b>489.8</b>	<b>473.5</b>	<b>463.7</b>	<b>457.7</b>	<b>454.4</b>	<b>444.0</b>
75°	<b>511.8</b>	<b>470.2</b>	<b>452.2</b>	<b>439.9</b>	<b>430.8</b>	<b>423.6</b>	<b>419.8</b>
90°	<b>503.9</b>	<b>463.1</b>	<b>438.2</b>	<b>419.3</b>	<b>406.5</b>	<b>396.6</b>	<b>383.9</b>
110°	<b>538.6</b>	<b>479.5</b>	<b>446.5</b>	<b>424.4</b>	<b>401.8</b>	<b>377.4</b>	<b>342.9</b>
120°	<b>576.8</b>	<b>484.2</b>	<b>447.5</b>	<b>414.7</b>	<b>392.2</b>	<b>373.7</b>	<b>334.1</b>
135°	<b>645.5</b>	<b>516.4</b>	<b>466.8</b>	<b>432.9</b>	<b>398.1</b>	<b>363.2</b>	<b>305.6</b>
150°	<b>765.9</b>	<b>608.8</b>	<b>515.5</b>	<b>469.7</b>	<b>444.4</b>	<b>415.1</b>	<b>345.0</b>
Run VMG	<b>884.4</b>	<b>703.0</b>	<b>595.2</b>	<b>542.0</b>	<b>513.2</b>	<b>479.4</b>	<b>398.4</b>

**Certificate**  
Number **US6382**  
ORC Ref **0341000S4F**  
Issued On **16/10/2020**  
VPP Ver. **2020 1.02**  
Valid until **31/12/2020**

**Crew Weight**  
Default **696kg**  
Maximum **650kg**  
Minimum\* **488kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**  
ToD ToT  
Non Spin GPH **614.8 0.9759**  
Non Spin OSN **598.0 1.0033**

<b>Selected Courses</b>							
Windward / Leeward	<b>900.0</b>	<b>736.3</b>	<b>646.7</b>	<b>606.6</b>	<b>587.0</b>	<b>565.2</b>	<b>520.9</b>
Circular Random	<b>757.1</b>	<b>619.4</b>	<b>547.3</b>	<b>505.8</b>	<b>479.3</b>	<b>459.8</b>	<b>428.7</b>
Coastal / Long Distance	<b>898.5</b>	<b>691.4</b>	<b>584.5</b>	<b>526.8</b>	<b>495.6</b>	<b>465.5</b>	<b>410.0</b>
Non Spinnaker	<b>859.8</b>	<b>688.4</b>	<b>595.6</b>	<b>541.3</b>	<b>507.2</b>	<b>484.3</b>	<b>453.6</b>

**Sails Limitations**  
Headsails **6** Spinnakers **4**

<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>44.6°</b>	<b>42.4°</b>	<b>39.4°</b>	<b>38.3°</b>	<b>37.9°</b>	<b>37.5°</b>	<b>37.8°</b>
Beat VMG	<b>3.93</b>	<b>4.68</b>	<b>5.16</b>	<b>5.36</b>	<b>5.45</b>	<b>5.53</b>	<b>5.60</b>
52°	<b>6.13</b>	<b>7.05</b>	<b>7.37</b>	<b>7.55</b>	<b>7.63</b>	<b>7.67</b>	<b>7.81</b>
60°	<b>6.60</b>	<b>7.35</b>	<b>7.60</b>	<b>7.76</b>	<b>7.86</b>	<b>7.92</b>	<b>8.11</b>
75°	<b>7.03</b>	<b>7.66</b>	<b>7.96</b>	<b>8.18</b>	<b>8.36</b>	<b>8.50</b>	<b>8.57</b>
90°	<b>7.14</b>	<b>7.77</b>	<b>8.21</b>	<b>8.59</b>	<b>8.86</b>	<b>9.08</b>	<b>9.38</b>
110°	<b>6.68</b>	<b>7.51</b>	<b>8.06</b>	<b>8.48</b>	<b>8.96</b>	<b>9.54</b>	<b>10.50</b>
120°	<b>6.24</b>	<b>7.44</b>	<b>8.04</b>	<b>8.68</b>	<b>9.18</b>	<b>9.63</b>	<b>10.78</b>
135°	<b>5.58</b>	<b>6.97</b>	<b>7.71</b>	<b>8.32</b>	<b>9.04</b>	<b>9.91</b>	<b>11.78</b>
150°	<b>4.70</b>	<b>5.91</b>	<b>6.98</b>	<b>7.66</b>	<b>8.10</b>	<b>8.67</b>	<b>10.43</b>
Run VMG	<b>4.07</b>	<b>5.12</b>	<b>6.05</b>	<b>6.64</b>	<b>7.01</b>	<b>7.51</b>	<b>9.04</b>
Gybe Angles	<b>143.5°</b>	<b>145.5°</b>	<b>149.0°</b>	<b>151.5°</b>	<b>148.5°</b>	<b>146.3°</b>	<b>142.3°</b>

**Class Division Length**  
CDL = **10.128**

**Storm Sails Areas**  
Heavy Weather Jib **29.30**  
Storm Jib (JL=9.58) **10.86**  
Storm Trysail **10.77**

**Owner**

<b>BOAT</b>	
Name <b>SITELLA</b>	Sail Nr <b>USA 132</b>
File <b>US6382</b>	Data in <b>meters/kilograms</b>

<b>RIG</b>	
Forestay Tension <b>Aft</b>	Spreaders <b>2</b>
Inner Stay <b>None Fitted</b>	Runners/Checkstays <b>0</b>
Carbon Mast <b>Yes</b>	Jib Furler <b>No</b>
Fiber Rigging <b>No</b>	Main Furler <b>No</b>
Non-Circular Rigging <b>No</b>	
Articulated Bowsprit <b>No</b>	

P <b>13.760</b>	E <b>4.470</b>	MDT1 <b>0.108</b>	MW <b>0.172</b>
IG <b>14.641</b>	J <b>4.225</b>	MDL1 <b>0.174</b>	GO <b>0.198</b>
ISP <b>15.654</b>	SFJ <b>0.295</b>	MDT2 <b>0.086</b>	BD <b>0.160</b>
BAS <b>1.704</b>	SPL <b>0.000</b>	MDL2 <b>0.125</b>	MWT <b>105.50</b>
FSD <b>0.035</b>	TPS <b>6.565</b>	TL <b>0.820</b>	MCG <b>5.094</b>

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Boom Inclining</b>	LCFD <b>6.277</b>		
Flotation date <b>11/10/2020</b>	SG <b>1.0100</b>		
FFM <b>1.250</b>	FF <b>1.253</b>	SFFP <b>0.994</b>	
FAM <b>0.891</b>	FA <b>0.898</b>	SAFP <b>10.966</b>	
W1 <b>100.6</b>	PD1 <b>298.4</b>	WD <b>4.149</b>	
W2 <b>100.6</b>	PD2 <b>297.5</b>	GSA <b>1.0</b>	
W3 <b>100.6</b>	PD3 <b>297.2</b>	RSA <b>1.0</b>	
W4 <b>100.6</b>	PD4 <b>297.5</b>	PLM <b>9000.0</b>	
LCF from stem on CL / on sheer	<b>6.056 / 6.267</b>		
Maximum beam station from stem	<b>7.000</b>		
RM Measured	<b>110.4kg-m</b>		
RM Default	<b>105.1kg-m</b>		
Limit of positive stability / Stab.Index	<b>125.7° / 125.2</b>		
Freeboard at mast at 4.520	<b>1.076</b>		



**2020**  
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<b>MIZZEN RIG AND SAILS</b>	
N/A	

<b>PROPELLER</b>			
Installation <b>Strut</b>	PRD <b>0.413</b>		
Type <b>Folding 2 blades</b>	PBW <b>0.125</b>		
Twin Screw <b>No</b>	PIPA <b>0.0035</b>		
ST1 <b>0.040</b>	ST3 <b>0.180</b>	ST5 <b>0.305</b>	
ST2 <b>0.180</b>	ST4 <b>0.113</b>	EDL <b>2.253</b>	

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<b>COMMENTS</b>	
No cushoins	

<b>MOVABLE BALLAST</b>	
N/A	

<b>CENTERBOARD</b>	
N/A	



<b>SAILS (Maximum Areas)</b>									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.19	1.05	1.84	3.06	3.85	38.18	39.01	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric Not Available									
Asymmetric on centerline	SLU	SLE	SL	SHW	SFL			AS · (SFL + 4·SHW) / 6	
	18.65	15.45	17.05	9.34	8.35	129.89			

<b>HEADSAILS</b>												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
<b>HBB</b>	<b>HUW</b>	<b>HTW</b>	<b>HHW</b>	<b>HQW</b>	<b>HLP</b>	<b>HLU</b>	<b>Area</b>	<b>Btn</b>	<b>Flying</b>	<b>Meas.Date</b>	<b>Material</b>	<b>Comment</b>
0.12	1.21	2.42	4.47	6.29	7.39	16.14	67.36		Yes	13/10/2020	Unknow	
0.10	0.68	1.27	2.37	3.44	4.43	14.40	33.46	Y	No	01/09/2020	Unknow	

<b>MEASUREMENT INVENTORY</b>				
Measurer				
Date <b>09/10/2020</b>				
Comment <b>No cushions, no V-berth</b>				
<b>Internal Ballast total = 0.0</b>				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
<i>Id</i>	<i>Item</i>	<i>Maker</i>	<i>Model</i>	
1	Engine	Volvo	D1-20 18 hp	
<i>Id</i>	<i>Item</i>	<i>Weight Description</i>		

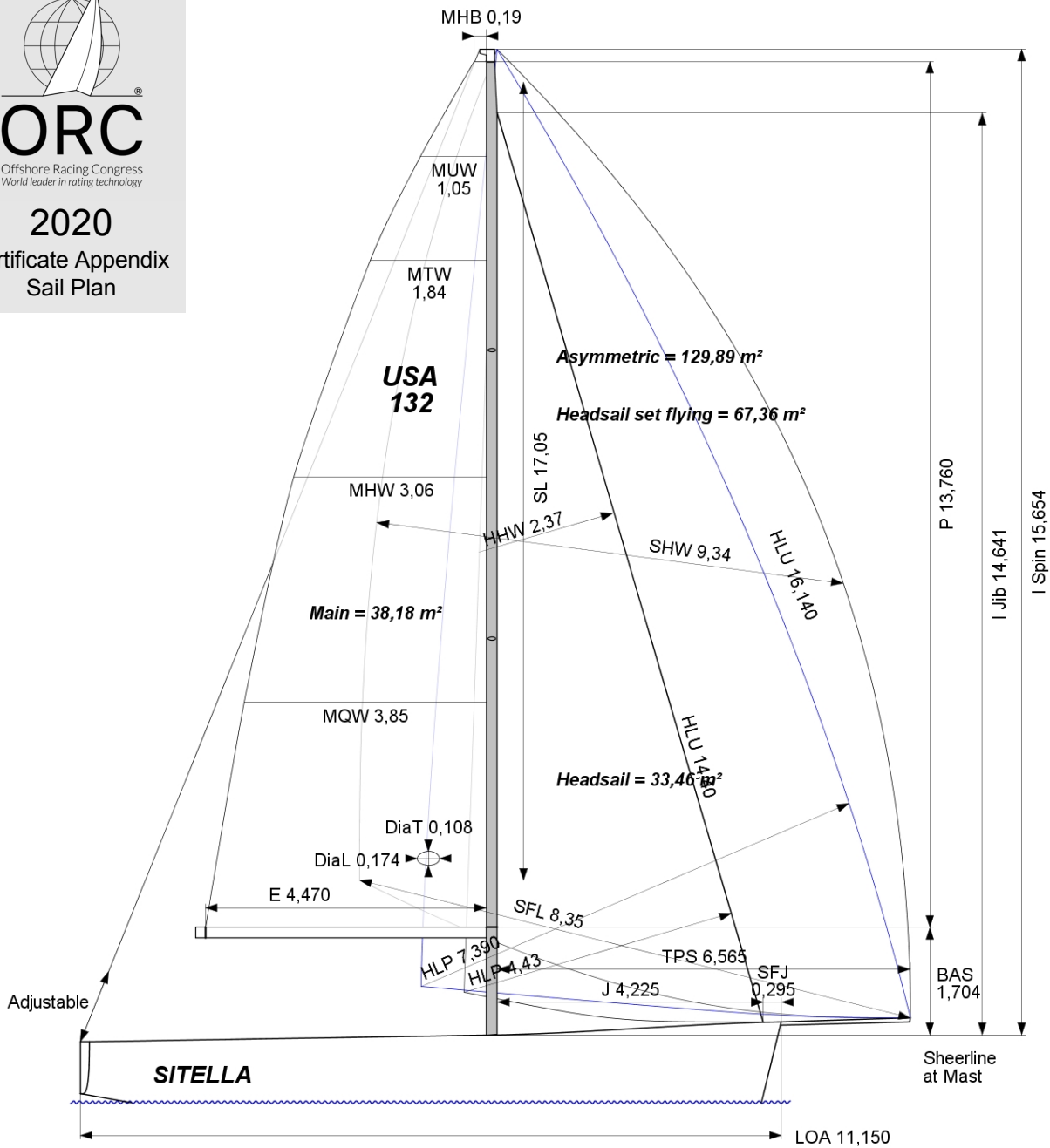
<b>MEASUREMENT INVENTORY</b>									
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn</i>	<i>Description</i>	
3	Tank Fuel		PVC	50.0	8.47	0.30	25-0	Aft centerline	
2	Tank Water		Bladder	100.0	5.50	0.20	0-0	Port settee	
1	Tank Waste		PVC	50.0	3.43	0.65	0-0	Port side head	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>					
2	Battery	20.0	5.53	0.20 12V engine AGM Group 27 90 Ah stbd settee					
1	Battery	25.0	5.31	0.20 12V house AGM LPC-12 100 Ah stbd settee					



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Sail Plan



**SAILS INVENTORY**

**MAINSAIL (1)**

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
M1	0.19	1.05	1.84	3.06	3.85	38.18		01/10/2020	Evolution	Unknown	

**HEADSAILS (2)**

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
Code 50	0.12	1.21	2.42	4.47	6.29	7.39	16.14	175%	67.36		Yes		13/10/2020	North	Unknow	
J1	0.10	0.68	1.27	2.37	3.44	4.43	14.40	105%	33.46	Y	No		01/09/2020	Evolution	Unknow	

**SYMMETRIC SPINNAKERS (0)**

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
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**ASYMMETRIC SPINNAKERS (1)**

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
2266439	18.65	15.45	17.05	9.34	8.35	129.90	asym				Unknown	