

<b>BOAT</b> Name <b>SB3 2</b> Sail Nr <b>GRE-8877</b>	<b>GPH</b> <b>706.1</b>	<b>HULL</b> Length Overall <b>6.141m</b> Maximum Beam <b>2.142m</b> Displacement <b>697kg</b> Draft <b>1.508m</b> Plan Review IMS Reg. Division <b>Sportboat</b> Dynamic Allowance <b>0.000%</b> Hull Construction <b>Solid</b> Carbon Rudder <b>No</b> Crew Arm Extension <b>0.50</b>
<b>GENERAL</b> Class <b>SB20 ONE DESIGN</b> Designer <b>TONY CASTRO</b> Builder <b>LASER</b> Series <b>08/2003</b> Age <b>01/2010</b> Age Allowance <b>0.487%</b> Offset File <b>lasb3.OD.OFF - 06/01/2020 18:25:28</b> Measurement by - <b>16/03/2012</b>		IMSL <b>5.936m</b> VCGD <b>-0.192m</b> Sink <b>6.43kg/mm</b> RL <b>6.090m</b> VCGM <b>-0.172m</b> WS <b>8.47m<sup>2</sup></b> LSM0 <b>5.747m</b> Displacement/Length ratio <b>3.6721</b>



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<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>688.5</b>			<b>779.5</b>		
Time on Time	<b>0.8714</b>			<b>0.8659</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>786.3</b>	<b>635.9</b>	<b>555.4</b>	<b>1001.2</b>	<b>784.8</b>	<b>683.0</b>
Time on Time	<b>0.8584</b>	<b>1.0615</b>	<b>1.2154</b>	<b>0.6742</b>	<b>0.8601</b>	<b>0.9883</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1178.3</b>	<b>983.0</b>	<b>884.2</b>	<b>855.7</b>	<b>851.5</b>	<b>852.6</b>	<b>855.4</b>
52°	<b>776.4</b>	<b>671.6</b>	<b>632.4</b>	<b>614.7</b>	<b>608.5</b>	<b>606.0</b>	<b>595.7</b>
60°	<b>736.8</b>	<b>652.1</b>	<b>617.1</b>	<b>591.6</b>	<b>581.4</b>	<b>576.4</b>	<b>562.3</b>
75°	<b>711.1</b>	<b>639.2</b>	<b>600.9</b>	<b>562.9</b>	<b>538.4</b>	<b>527.4</b>	<b>515.6</b>
90°	<b>679.0</b>	<b>612.2</b>	<b>583.2</b>	<b>554.7</b>	<b>516.1</b>	<b>485.2</b>	<b>461.4</b>
110°	<b>671.6</b>	<b>598.9</b>	<b>542.1</b>	<b>507.6</b>	<b>483.6</b>	<b>458.6</b>	<b>414.9</b>
120°	<b>687.1</b>	<b>608.3</b>	<b>546.6</b>	<b>490.3</b>	<b>453.3</b>	<b>428.4</b>	<b>374.9</b>
135°	<b>755.2</b>	<b>640.7</b>	<b>581.6</b>	<b>524.7</b>	<b>467.4</b>	<b>413.9</b>	<b>310.4</b>
150°	<b>884.7</b>	<b>711.8</b>	<b>637.0</b>	<b>592.3</b>	<b>541.2</b>	<b>487.3</b>	<b>335.5</b>
Run VMG	<b>1021.5</b>	<b>822.0</b>	<b>734.7</b>	<b>675.4</b>	<b>624.9</b>	<b>562.7</b>	<b>387.5</b>

**Certificate**  
Number **01985**  
ORC Ref **03420000NKN**  
Issued On **02/08/2020**  
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**Crew Weight**  
Default 312kg  
Maximum **270kg**  
Minimum\* **185kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

ToD	ToT
Non Spin GPH <b>754.7</b>	<b>0.7950</b>
Non Spin OSN <b>730.1</b>	<b>0.8218</b>

<b>Selected Courses</b>							
Windward / Leeward	<b>1099.9</b>	<b>902.5</b>	<b>809.5</b>	<b>765.6</b>	<b>738.2</b>	<b>707.6</b>	<b>621.4</b>
Circular Random	<b>950.5</b>	<b>778.7</b>	<b>687.7</b>	<b>633.5</b>	<b>596.3</b>	<b>566.5</b>	<b>513.8</b>
Coastal / Long Distance	<b>1092.1</b>	<b>851.2</b>	<b>735.3</b>	<b>664.6</b>	<b>617.8</b>	<b>573.6</b>	<b>484.4</b>
Non Spinnaker	<b>1037.9</b>	<b>839.2</b>	<b>732.7</b>	<b>670.1</b>	<b>630.1</b>	<b>601.9</b>	<b>560.1</b>

**Sails Limitations**

Headsails	Spinnakers
<b>5</b>	<b>4</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>40.9°</b>	<b>38.3°</b>	<b>37.5°</b>	<b>37.5°</b>	<b>37.9°</b>	<b>39.0°</b>
Beat VMG	<b>3.06</b>	<b>3.66</b>	<b>4.07</b>	<b>4.21</b>	<b>4.23</b>	<b>4.22</b>	<b>4.21</b>
52°	<b>4.64</b>	<b>5.36</b>	<b>5.69</b>	<b>5.86</b>	<b>5.92</b>	<b>5.94</b>	<b>6.04</b>
60°	<b>4.89</b>	<b>5.52</b>	<b>5.83</b>	<b>6.09</b>	<b>6.19</b>	<b>6.25</b>	<b>6.40</b>
75°	<b>5.06</b>	<b>5.63</b>	<b>5.99</b>	<b>6.39</b>	<b>6.69</b>	<b>6.83</b>	<b>6.98</b>
90°	<b>5.30</b>	<b>5.88</b>	<b>6.17</b>	<b>6.49</b>	<b>6.98</b>	<b>7.42</b>	<b>7.80</b>
110°	<b>5.36</b>	<b>6.01</b>	<b>6.64</b>	<b>7.09</b>	<b>7.44</b>	<b>7.85</b>	<b>8.68</b>
120°	<b>5.24</b>	<b>5.92</b>	<b>6.59</b>	<b>7.34</b>	<b>7.94</b>	<b>8.40</b>	<b>9.60</b>
135°	<b>4.77</b>	<b>5.62</b>	<b>6.19</b>	<b>6.86</b>	<b>7.70</b>	<b>8.70</b>	<b>11.60</b>
150°	<b>4.07</b>	<b>5.06</b>	<b>5.65</b>	<b>6.08</b>	<b>6.65</b>	<b>7.39</b>	<b>10.73</b>
Run VMG	<b>3.52</b>	<b>4.38</b>	<b>4.90</b>	<b>5.33</b>	<b>5.76</b>	<b>6.40</b>	<b>9.29</b>
Gybe Angles	<b>146.0°</b>	<b>149.3°</b>	<b>151.0°</b>	<b>176.0°</b>	<b>144.5°</b>	<b>143.0°</b>	<b>141.8°</b>

**Class Division Length**  
CDL = **6.008**

**Storm Sails Areas**

Heavy Weather Jib	<b>7.66</b>
Storm Jib (JL=4.90)	<b>2.84</b>
Storm Trysail	<b>4.46</b>

**Owner**

<b>BOAT</b>	
Name <b>SB3 2</b>	Sail Nr <b>GRE-8877</b>
File <b>GR8877</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>No</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>7.950</b>	E <b>3.200</b> MDT1 <b>0.070</b> MW <b>0.090</b>
IG <b>7.340</b>	J <b>2.180</b> MDL1 <b>0.100</b> GO <b>0.145</b>
ISP <b>8.940</b>	SFJ <b>0.050</b> MDT2 <b>0.070</b> BD <b>0.140</b>
BAS <b>0.940</b>	SPL <b>0.000</b> MDL2 <b>0.082</b> MWT <b>31.10</b>
FSD	TPS <b>4.050</b> TL <b>1.400</b> MCG <b>3.290</b>

<b>INCLINING TEST AND FREEBOARDS</b>		
Inclining Test <b>Current Inclining</b>		
Flotation date <b>18/05/2016</b>		SG <b>1.0260</b>
FFM <b>0.705</b>	FF <b>0.705</b>	SFFP <b>0.270</b>
FAM <b>0.472</b>	FA <b>0.472</b>	SAFP <b>6.071</b>
W1 <b>17.9</b>	PD1 <b>568.3</b>	WD <b>6.160</b>
W2 <b>17.9</b>	PD2 <b>566.3</b>	GSA <b>1.0</b>
W3 <b>17.9</b>	PD3 <b>569.1</b>	RSA <b>1.0</b>
W4 <b>17.9</b>	PD4 <b>565.9</b>	PLM <b>9000.0</b>
LCF from stem on CL / on sheer		<b>3.501 / 3.642</b>
Maximum beam station from stem		<b>4.000</b>
RM Measured		<b>15.3kg·m</b>
RM Default		<b>15.6kg·m</b>
Limit of positive stability / Stab.Index		<b>108.6° / 99.6</b>
Freeboard at mast at 2.230		<b>0.591</b>



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

<b>PROPELLER</b>	
Type <b>No Propeller</b>	

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<b>COMMENTS</b>	

<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	
	0.23	0.82	1.44	2.32	2.91	16.65	17.33	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	Area	AS · (SFL + 4·SHW) / 6		
	10.49	8.51	9.50	5.50	5.34	43.29			

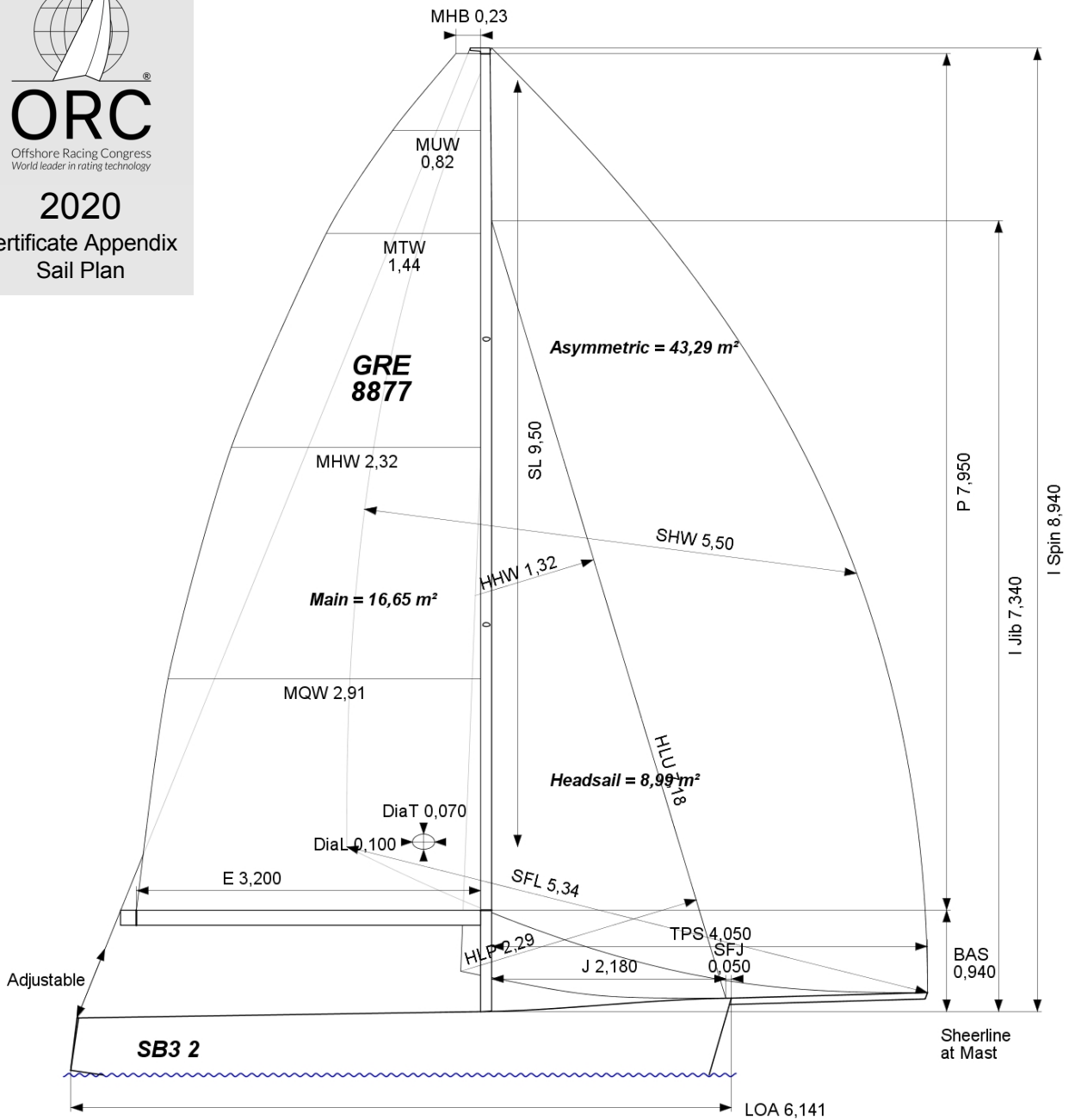
<b>HEADSAILS</b>												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Flying	Meas.Date	Material	Comment
0.06	0.38	0.72	1.32	1.84	2.29	7.18	8.99	No	No	02/08/2020	Unknow	



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Sail Plan



**SAILS INVENTORY**

**MAINSAIL (1)**

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.23	0.82	1.44	2.32	2.91	16.66		02/08/2020		Unknown	

**HEADSAILS (1)**

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.06	0.38	0.72	1.32	1.84	2.29	7.18	105%	8.99		No		02/08/2020		Unknown	

**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
1	10.49	8.51	9.50	5.50	5.34	43.29	asym		02/08/2020		Unknown	