

<b>BOAT</b> Name <b>PIX-LAX III</b> Sail Nr <b>GRE-9536</b>	<b>GPH</b> <b>598.7</b>	<b>HULL</b> Length Overall <b>10.970m</b> Maximum Beam <b>3.400m</b> Displacement <b>4,972kg</b> Draft <b>2.267m</b> Plan Review IMS Reg. Division <b>Cruiser/Racer</b> Dynamic Allowance <b>0.000%</b> Hull Construction <b>Cored</b> Carbon Rudder <b>No</b> Crew Arm Extension IMSL <b>10.201m</b> VCGD <b>-0.067m</b> Sink <b>19.22kg/mm</b> RL <b>9.411m</b> VCGM <b>-0.001m</b> WS <b>25.21m<sup>2</sup></b> LSM0 <b>9.947m</b> Displacement/Length ratio <b>5.0519</b>
<b>GENERAL</b> Class <b>BH 36</b> Designer <b>IAN MURRAY</b> Builder <b>BASHFORD HOWISON</b> Series <b>06/1996</b> Age <b>06/1996</b> Age Allowance <b>0.487%</b> Offset File <b>BASH36.OFF - 20/06/2013 14:22:02</b> Measurement by - <b>11/03/2006</b>		



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<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>583.5</b>			<b>655.4</b>		
Time on Time	<b>1.0283</b>			<b>1.0299</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>675.6</b>	<b>532.8</b>	<b>481.8</b>	<b>871.6</b>	<b>657.0</b>	<b>584.5</b>
Time on Time	<b>0.9991</b>	<b>1.2669</b>	<b>1.4010</b>	<b>0.7744</b>	<b>1.0274</b>	<b>1.1549</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>966.5</b>	<b>799.2</b>	<b>716.9</b>	<b>688.3</b>	<b>676.1</b>	<b>671.2</b>	<b>660.8</b>
52°	<b>637.2</b>	<b>538.6</b>	<b>501.2</b>	<b>489.5</b>	<b>484.4</b>	<b>481.7</b>	<b>476.9</b>
60°	<b>604.4</b>	<b>520.5</b>	<b>489.9</b>	<b>477.3</b>	<b>471.6</b>	<b>468.4</b>	<b>464.4</b>
75°	<b>580.2</b>	<b>509.0</b>	<b>481.0</b>	<b>463.9</b>	<b>452.2</b>	<b>445.5</b>	<b>439.6</b>
90°	<b>586.9</b>	<b>510.2</b>	<b>480.2</b>	<b>460.3</b>	<b>441.9</b>	<b>426.4</b>	<b>409.7</b>
110°	<b>606.1</b>	<b>507.4</b>	<b>470.8</b>	<b>445.5</b>	<b>427.1</b>	<b>414.0</b>	<b>391.2</b>
120°	<b>623.7</b>	<b>517.1</b>	<b>476.1</b>	<b>447.7</b>	<b>419.9</b>	<b>396.6</b>	<b>368.7</b>
135°	<b>699.8</b>	<b>564.1</b>	<b>497.6</b>	<b>467.1</b>	<b>439.3</b>	<b>411.2</b>	<b>355.2</b>
150°	<b>830.1</b>	<b>660.2</b>	<b>558.2</b>	<b>503.6</b>	<b>480.2</b>	<b>458.8</b>	<b>410.5</b>
Run VMG	<b>958.5</b>	<b>762.3</b>	<b>644.6</b>	<b>581.6</b>	<b>551.1</b>	<b>507.4</b>	<b>459.5</b>

**Certificate**  
Number **00975**  
ORC Ref **03420000F90**  
Issued On **27/03/2020**  
VPP Ver. **2020 1.01**  
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**Crew Weight**  
Default **683kg**  
Maximum **650kg**  
Minimum\* **488kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**  
ToD ToT  
Non Spin GPH **629.5 0.9531**  
Non Spin OSN **613.8 0.9775**

<b>Selected Courses</b>							
Windward / Leeward	<b>962.5</b>	<b>780.7</b>	<b>680.8</b>	<b>634.9</b>	<b>613.6</b>	<b>589.3</b>	<b>560.1</b>
Circular Random	<b>815.2</b>	<b>661.7</b>	<b>581.2</b>	<b>535.7</b>	<b>508.2</b>	<b>489.7</b>	<b>463.9</b>
Coastal / Long Distance	<b>962.1</b>	<b>735.0</b>	<b>616.6</b>	<b>554.1</b>	<b>521.2</b>	<b>490.8</b>	<b>443.3</b>
Non Spinnaker	<b>872.3</b>	<b>702.0</b>	<b>610.4</b>	<b>557.1</b>	<b>524.1</b>	<b>502.4</b>	<b>473.8</b>

<b>Sails Limitations</b>	
Headsails	Spinnakers
<b>6</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>42.4°</b>	<b>41.1°</b>	<b>39.8°</b>	<b>38.3°</b>	<b>37.5°</b>	<b>37.5°</b>	<b>37.9°</b>
Beat VMG	<b>3.72</b>	<b>4.50</b>	<b>5.02</b>	<b>5.23</b>	<b>5.32</b>	<b>5.36</b>	<b>5.45</b>
52°	<b>5.65</b>	<b>6.68</b>	<b>7.18</b>	<b>7.35</b>	<b>7.43</b>	<b>7.47</b>	<b>7.55</b>
60°	<b>5.96</b>	<b>6.92</b>	<b>7.35</b>	<b>7.54</b>	<b>7.63</b>	<b>7.69</b>	<b>7.75</b>
75°	<b>6.20</b>	<b>7.07</b>	<b>7.48</b>	<b>7.76</b>	<b>7.96</b>	<b>8.08</b>	<b>8.19</b>
90°	<b>6.13</b>	<b>7.06</b>	<b>7.50</b>	<b>7.82</b>	<b>8.15</b>	<b>8.44</b>	<b>8.79</b>
110°	<b>5.94</b>	<b>7.09</b>	<b>7.65</b>	<b>8.08</b>	<b>8.43</b>	<b>8.69</b>	<b>9.20</b>
120°	<b>5.77</b>	<b>6.96</b>	<b>7.56</b>	<b>8.04</b>	<b>8.57</b>	<b>9.08</b>	<b>9.76</b>
135°	<b>5.14</b>	<b>6.38</b>	<b>7.23</b>	<b>7.71</b>	<b>8.19</b>	<b>8.75</b>	<b>10.14</b>
150°	<b>4.34</b>	<b>5.45</b>	<b>6.45</b>	<b>7.15</b>	<b>7.50</b>	<b>7.85</b>	<b>8.77</b>
Run VMG	<b>3.76</b>	<b>4.72</b>	<b>5.58</b>	<b>6.19</b>	<b>6.53</b>	<b>7.09</b>	<b>7.83</b>
Gybe Angles	<b>143.5°</b>	<b>147.5°</b>	<b>148.0°</b>	<b>150.0°</b>	<b>152.5°</b>	<b>176.0°</b>	<b>178.0°</b>

**Class Division Length**  
CDL = **9.800**

**Storm Sails Areas**  
Heavy Weather Jib **30.60**  
Storm Jib (JL=9.79) **11.34**  
Storm Trysail **10.77**

**Owner**

<b>BOAT</b>	
Name <b>PIX-LAX III</b>	Sail Nr <b>GRE-9536</b>
File <b>GR9536</b>	Data in <b>meters/kilograms</b>

<b>RIG</b>	
Forestay Tension <b>Aft</b>	Spreaders <b>3</b>
Inner Stay <b>None Fitted</b>	Runners/Checkstays <b>1</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>13.150</b>	E <b>4.680</b> MDT1 <b>0.125</b> MW <b>0.148</b>
IG <b>14.976</b>	J <b>4.240</b> MDL1 <b>0.181</b> GO <b>0.170</b>
ISP <b>14.976</b>	SFJ <b>0.000</b> MDT2 <b>0.107</b> BD <b>0.173</b>
BAS <b>1.658</b>	SPL <b>0.000</b> MDL2 <b>0.148</b> MWT <b>177.00</b>
FSD <b>0.032</b>	TPS <b>5.010</b> TL <b>2.010</b> MCG <b>4.857</b>

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Current Inclining</b>			
Flotation date <b>04/03/2007</b>		SG <b>1.0280</b>	
FFM <b>1.262</b>	FF <b>1.257</b>	SFFP <b>0.300</b>	
FAM <b>0.873</b>	FA <b>0.880</b>	SAFP <b>10.560</b>	
W1 <b>73.5</b>	PD1 <b>280.0</b>	WD <b>11.220</b>	
W2 <b>73.5</b>	PD2 <b>280.0</b>	GSA <b>38.5</b>	
W3 <b>73.5</b>	PD3 <b>280.0</b>	RSA <b>5674.5</b>	
W4 <b>73.5</b>	PD4 <b>280.0</b>	PLM <b>2420.0</b>	
LCF from stem on CL / on sheer		<b>6.110 / 6.332</b>	
Maximum beam station from stem		<b>6.921</b>	
RM Measured		<b>123.9kg-m</b>	
RM Default		<b>126.2kg-m</b>	
Limit of positive stability / Stab.Index		<b>114.2° / 115.2</b>	
Freeboard at mast at 4.240		<b>1.041</b>	



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

<b>PROPELLER</b>			
Installation <b>Strut</b>	PRD <b>0.420</b>		
Type <b>Folding 2 blades</b>	PBW <b>0.107</b>		
Twin Screw <b>No</b>	PIPA <b>0.0033</b>		
ST1 <b>0.041</b>	ST3 <b>0.179</b>	ST5 <b>0.245</b>	
ST2 <b>0.164</b>	ST4 <b>0.112</b>	EDL <b>1.620</b>	

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<b>COMMENTS</b>	
ex "THUNDER" GBR-9536R, ex "DE MALO III".	

<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	
	0.20	1.01	1.78	3.05	3.97	36.98	37.79	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		
	16.36	14.10	15.23	8.34	8.53	106.33			

<b>HEADSAILS</b>												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
<b>HHB</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>
0.00	0.69	1.35	2.74	4.28	5.81	14.98	42.48	No	10/05/2008	Unknow		

<b>MEASUREMENT INVENTORY</b>				
Measurer <b>GRE-11</b>				
Date <b>04/03/2007</b>				
Comment				
<b>Internal Ballast total = 200.0</b>				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
4	Anchor	7.5	40.00	Bruee
2	Anchor	5.0	40.00	Grapnel
4	Chain	16.5	40.00	14mm x 8mm
4	Tools	10.0	8.50	
<i>Id</i>	<i>Item</i>	<i>Maker</i>	<i>Model</i>	
1	Engine	YANMAR		
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Description</i>	
4	Deck-Gear	12.0		

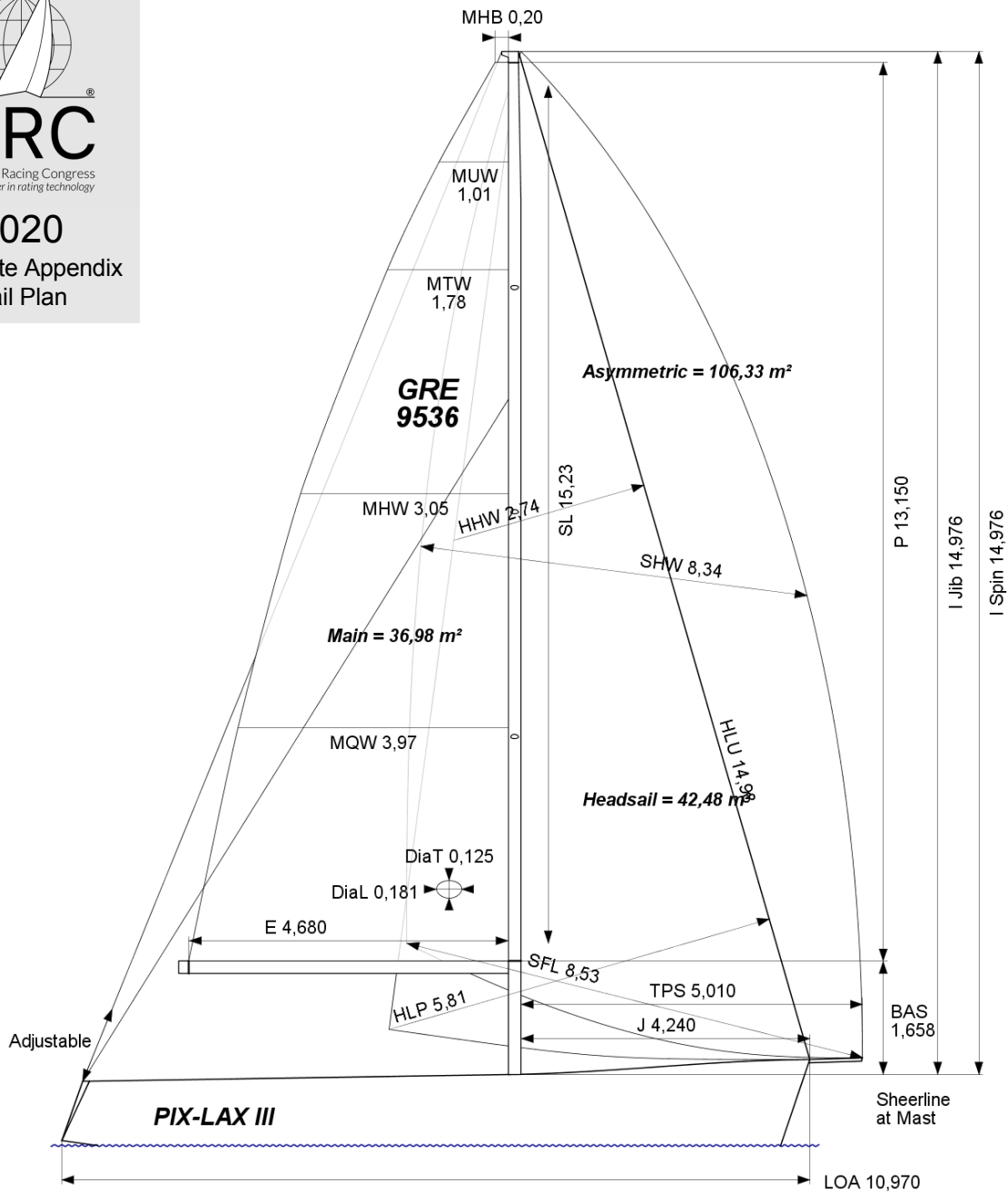
<b>MEASUREMENT INVENTORY</b>								
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn</i>	<i>Description</i>
1	Tank Fuel		St. Steel	60.0	8.25		0-0	
2	Tank Water		St. Steel	70.0	5.25		0-0	
3	Tank Water		St. Steel	70.0	5.25		0-0	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>				
1	Ballast	160.0	5.25	8 x 20kg lead pigs				
2	Ballast	40.0	6.90	2 x 20kg lead pigs				
1	Battery	60.0	6.10	2 x 100Ah				
2	Battery	22.0	8.50	1 x 55Ah				



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Sail Plan



**SAILS INVENTORY**

**MAINSAIL (1)**

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
M1	0.20	1.01	1.78	3.05	3.97	36.99		10/05/2008		Unknown	

**HEADSAILS (1)**

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
G1	0.00	0.69	1.35	2.74	4.28	5.81	14.98	137%	42.48		No		10/05/2008		Unknow	

**SYMMETRIC SPINNAKERS (0)**

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
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**ASYMMETRIC SPINNAKERS (3)**

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
A1	16.36	14.10	15.23	8.34	8.53	106.34	asym		20/06/2018		Nylon	
AS1	14.66	12.44	13.55	7.48	7.62	84.78	asym		20/03/2016		Nylon	
A2	15.04	13.14	14.09	6.60	7.28	79.10	asym		20/03/2018	KAKITSIS	Nylon	