

<b>BOAT</b> Name <b>OXYGONON</b> Sail Nr <b>GRE-70</b>	<b>GPH</b> <b>604.4</b>	<b>HULL</b> Length Overall <b>10.600m</b> Maximum Beam <b>3.250m</b> Displacement <b>4,632kg</b> Draft <b>2.181m</b> IMS Reg. Division <b>Performance</b> Dynamic Allowance <b>0.000%</b> Fwd Accommodation <b>Yes</b> Hull Construction <b>Cored</b> Carbon Rudder <b>No</b> Crew Arm Extension
<b>GENERAL</b> Class <b>X-35 OD</b> Designer <b>JEPPESEN</b> Builder <b>X YACHTS</b> Series <b>09/2005</b> Age <b>09/2005</b> Age Allowance <b>0.455%</b> Offset File <b>x35.od.off - 29/01/2015 16:31:16</b> Measurement by - <b>04/05/2006</b>		IMSLS <b>9.511m</b> VCGD <b>0.065m</b> Sink <b>17.74kg/mm</b> RL <b>9.056m</b> VCGM <b>0.047m</b> WS <b>23.15m<sup>2</sup></b> LSM0 <b>9.344m</b> Displacement/Length ratio <b>5.6777</b>



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	<b>589.1</b>			<b>655.3</b>		
Time on Time	<b>1.0184</b>			<b>1.0300</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>679.2</b>	<b>539.1</b>	<b>486.7</b>	<b>872.8</b>	<b>657.3</b>	<b>580.0</b>
Time on Time	<b>0.9938</b>	<b>1.2520</b>	<b>1.3868</b>	<b>0.7734</b>	<b>1.0269</b>	<b>1.1638</b>

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>974.8</b>	<b>809.1</b>	<b>727.0</b>	<b>701.7</b>	<b>691.8</b>	<b>681.7</b>	<b>676.4</b>
52°	<b>645.1</b>	<b>547.9</b>	<b>511.6</b>	<b>500.9</b>	<b>496.5</b>	<b>494.2</b>	<b>487.0</b>
60°	<b>612.5</b>	<b>530.4</b>	<b>500.1</b>	<b>488.5</b>	<b>483.5</b>	<b>481.0</b>	<b>472.3</b>
75°	<b>587.7</b>	<b>519.0</b>	<b>491.2</b>	<b>474.1</b>	<b>463.6</b>	<b>458.1</b>	<b>452.1</b>
90°	<b>592.7</b>	<b>519.6</b>	<b>490.5</b>	<b>470.1</b>	<b>451.7</b>	<b>437.3</b>	<b>423.9</b>
110°	<b>606.8</b>	<b>514.6</b>	<b>479.5</b>	<b>454.3</b>	<b>438.3</b>	<b>425.7</b>	<b>406.7</b>
120°	<b>624.7</b>	<b>523.6</b>	<b>484.7</b>	<b>456.1</b>	<b>429.0</b>	<b>408.9</b>	<b>383.7</b>
135°	<b>692.6</b>	<b>564.8</b>	<b>505.7</b>	<b>475.8</b>	<b>448.1</b>	<b>421.1</b>	<b>365.8</b>
150°	<b>821.5</b>	<b>657.1</b>	<b>557.9</b>	<b>505.4</b>	<b>477.3</b>	<b>451.6</b>	<b>401.7</b>
Run VMG	<b>948.5</b>	<b>758.8</b>	<b>643.2</b>	<b>571.3</b>	<b>520.2</b>	<b>488.2</b>	<b>439.0</b>

Selected Courses							
	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Windward / Leeward	<b>961.6</b>	<b>783.9</b>	<b>685.1</b>	<b>636.5</b>	<b>606.0</b>	<b>585.0</b>	<b>557.7</b>
Circular Random	<b>819.9</b>	<b>667.2</b>	<b>587.1</b>	<b>541.5</b>	<b>513.7</b>	<b>495.1</b>	<b>469.7</b>
Coastal / Long Distance	<b>960.3</b>	<b>738.7</b>	<b>622.4</b>	<b>560.7</b>	<b>525.7</b>	<b>496.5</b>	<b>450.5</b>
Non Spinnaker	<b>873.0</b>	<b>704.5</b>	<b>614.7</b>	<b>562.9</b>	<b>531.1</b>	<b>510.1</b>	<b>482.8</b>

Velocity Prediction in Knots for True Wind Speeds							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	<b>42.0°</b>	<b>40.8°</b>	<b>39.0°</b>	<b>37.8°</b>	<b>37.7°</b>	<b>37.3°</b>	<b>38.0°</b>
Beat VMG	<b>3.69</b>	<b>4.45</b>	<b>4.95</b>	<b>5.13</b>	<b>5.20</b>	<b>5.28</b>	<b>5.32</b>
52°	<b>5.58</b>	<b>6.57</b>	<b>7.04</b>	<b>7.19</b>	<b>7.25</b>	<b>7.29</b>	<b>7.39</b>
60°	<b>5.88</b>	<b>6.79</b>	<b>7.20</b>	<b>7.37</b>	<b>7.45</b>	<b>7.49</b>	<b>7.62</b>
75°	<b>6.13</b>	<b>6.94</b>	<b>7.33</b>	<b>7.59</b>	<b>7.77</b>	<b>7.86</b>	<b>7.96</b>
90°	<b>6.07</b>	<b>6.93</b>	<b>7.34</b>	<b>7.66</b>	<b>7.97</b>	<b>8.23</b>	<b>8.49</b>
110°	<b>5.93</b>	<b>7.00</b>	<b>7.51</b>	<b>7.92</b>	<b>8.21</b>	<b>8.46</b>	<b>8.85</b>
120°	<b>5.76</b>	<b>6.88</b>	<b>7.43</b>	<b>7.89</b>	<b>8.39</b>	<b>8.80</b>	<b>9.38</b>
135°	<b>5.20</b>	<b>6.37</b>	<b>7.12</b>	<b>7.57</b>	<b>8.03</b>	<b>8.55</b>	<b>9.84</b>
150°	<b>4.38</b>	<b>5.48</b>	<b>6.45</b>	<b>7.12</b>	<b>7.54</b>	<b>7.97</b>	<b>8.96</b>
Run VMG	<b>3.80</b>	<b>4.74</b>	<b>5.60</b>	<b>6.30</b>	<b>6.92</b>	<b>7.37</b>	<b>8.20</b>
Gybe Angles	<b>142.2°</b>	<b>148.4°</b>	<b>151.4°</b>	<b>158.9°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>

**Certificate**

Number **000430**  
ORC Ref **GRE01016207**  
Issued On **29/07/2019**  
VPP Ver. **2019 1.01**  
Valid until **28/02/2020**

**Crew Weight**

Default **625kg**  
Maximum **625kg**  
Minimum\* **469kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>633.7</b>	<b>0.9468</b>
Non Spin OSN	<b>616.9</b>	<b>0.9727</b>

**Sails Limitations**

Headsails	Spinnakers
<b>5</b>	<b>3</b>

**Class Division Length**

CDL = **9.284**

**Storm Sails Areas**

Heavy Weather Jib **28.66**  
Storm Jib (JL=9.48) **10.62**  
Storm Trysail **12.16**

**Owner**

<b>BOAT</b>	
Name <b>OXYGONON</b>	Sail Nr <b>GRE-70</b>
File <b>GR70X</b>	Data in <b>meters/kilograms</b>

<b>INCLINING TEST AND FREEBOARDS</b>		
Inclining Test <b>Current Inclining</b>		
Flotation date <b>11/06/2016</b>		SG <b>1.0250</b>
FFM <b>1.305</b>	FF <b>1.306</b>	SFFP <b>0.075</b>
FAM <b>0.980</b>	FA <b>0.981</b>	SAFP <b>10.275</b>
W1 <b>68.0</b>	PD1 <b>243.0</b>	WD <b>11.145</b>
W2 <b>68.0</b>	PD2 <b>243.0</b>	GSA <b>50.2</b>
W3 <b>68.0</b>	PD3 <b>243.0</b>	RSA <b>5941.7</b>
W4 <b>68.0</b>	PD4 <b>243.0</b>	PLM <b>2069.0</b>
LCF from stem on CL / on sheer		<b>5.953 / 6.156</b>
Maximum beam station from stem		<b>7.300</b>
RM Measured		<b>112.0kg-m</b>
RM Default		<b>123.3kg-m</b>
Limit of positive stability / Stab.Index		<b>115.8° / 117.0</b>
Freeboard at mast at 4.185		<b>1.097</b>



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<b>RIG</b>	
Forestay Tension <b>Aft</b>	Spreaders <b>2</b>
Inner Stay <b>None Fitted</b>	Runners <b>0</b>
Carbon Mast <b>No</b>	Jumper Struts <b>None</b>
Taper Hollows <b>No</b>	Jib Furler <b>No</b>
Fiber Rigging <b>No</b>	Main Furler <b>No</b>
Lenticular Rigging <b>No</b>	Without Backstay <b>No</b>
Articulated Bowsprit <b>No</b>	
P <b>14.250</b>	E <b>4.876</b>
IG <b>14.500</b>	J <b>4.185</b>
ISP <b>14.530</b>	SFJ
BAS <b>1.745</b>	SPL <b>4.180</b>
FSP <b>0.068</b>	TPS
MDT1 <b>0.125</b>	MW <b>0.184</b>
MDL1 <b>0.185</b>	GO <b>0.204</b>
MDT2 <b>0.122</b>	BD <b>0.220</b>
MDL2 <b>0.140</b>	MWT <b>156.00</b>
TL <b>1.230</b>	MCG <b>4.600</b>

<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>0.128</b>	
Twin Screw <b>No</b>	PIPA <b>0.0033</b>	
ST1 <b>0.042</b>	ST3 <b>0.182</b>	ST5 <b>0.255</b>
ST2 <b>0.178</b>	ST4 <b>0.112</b>	EDL <b>2.390</b>

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<b>COMMENTS</b>	

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

<b>CENTERBOARD</b>	
N/A	



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<b>SAILS (Maximum Areas)</b>									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.240	1.09	1.88	3.19	4.13	41.94	42.81	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL	92.02		SL · (SFL + 4·SHW) / 6	
	14.36	14.36	14.36	7.77	7.37				
Asymmetric Not Available									

<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>Fly</b>	<b>Meas.Date</b>	<b>Material</b>	<b>Comment</b>
0.10	0.65	1.21	2.30	3.35	4.46	14.56	33.19	Y	N	13/06/2014	Carbon	Light
0.11	0.65	1.21	2.28	3.34	4.44	14.49	32.89	Y		22/06/2016	Unknow	MATERIAL RAW J1
0.10	0.64	1.20	2.24	3.32	4.43	14.47	32.58	Y		22/06/2016	Unknow	MATERIAL RAW J2
0.09	0.49	0.91	1.83	2.83	3.91	14.29	27.12	Y		22/06/2016	Unknow	MATERIAL RAW / J3

<b>MEASUREMENT INVENTORY</b>				
Measurer <b>GRE-56</b>				
Date <b>11/06/2016</b>				
Comment				
<b>Id</b>	<b>Item</b>	<b>Weight</b>	<b>Distance</b>	<b>VCG Description</b>
<b>Id</b>	<b>Item</b>	<b>Maker</b>	<b>Model</b>	
1	Engine	YANMAR	3YM20	
<b>Id</b>	<b>Item</b>	<b>Weight</b>	<b>Description</b>	

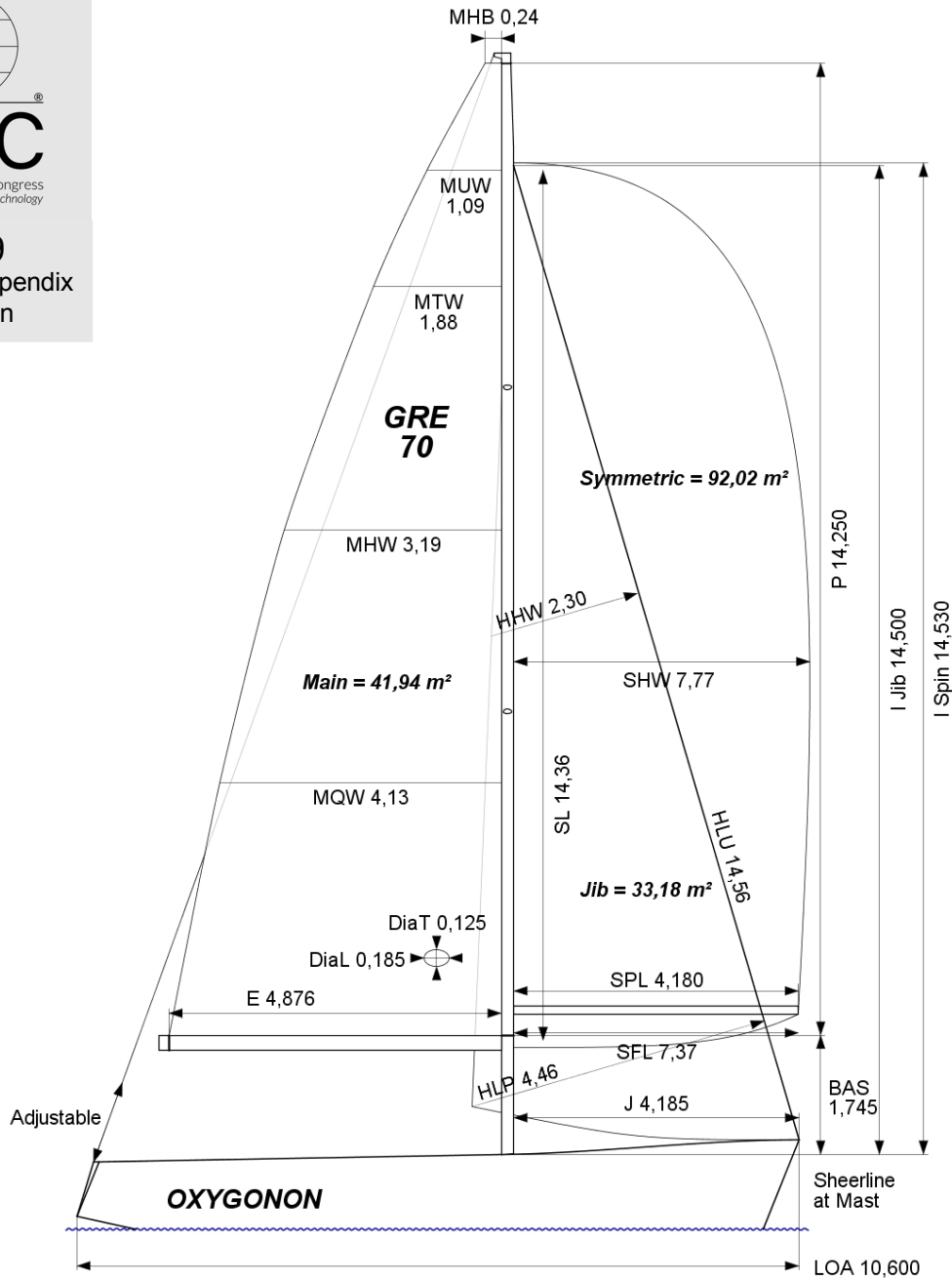
<b>MEASUREMENT INVENTORY</b>									
<b>Id</b>	<b>Item</b>	<b>Tank Use</b>	<b>Tank Type</b>	<b>Capcty</b>	<b>Dist.</b>	<b>VCG</b>	<b>Condtn</b>	<b>Description</b>	
2	Tank	WATER	PVC	130.0	5.40			0-0 EMPTY	
1	Tank	FUEL	INOX	60.0	6.10			15-0 1/4 FULL	
<b>Id</b>	<b>Item</b>	<b>Weight</b>	<b>Distance</b>	<b>VCG Description</b>					
1	Ballast	269.5	5.30	LEAD BARS					
2	Battery		4.70	1X 55 Ah					
1	Battery		4.90	1X 110 Ah					



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**SAILS INVENTORY**

**MAINSAIL (2)**

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
B1	0.24	1.09	1.88	3.19	4.13	41.95		22/06/2016	BANKS	Unknown	MATERIAL RAW
1	0.21	1.08	1.87	3.16	4.08	41.59		27/03/2011	NORTH	Carbon	

**HEADSAILS (4)**

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
4	0.10	0.65	1.21	2.30	3.35	4.46	14.56	107%	33.19	Y	N		13/06/2014	Quantum	Carbon	Light
B2	0.11	0.65	1.21	2.28	3.34	4.44	14.49	106%	32.89	Y			22/06/2016	BANKS	Unknown	MATERIAL RAW J1
B3	0.10	0.64	1.20	2.24	3.32	4.43	14.47	106%	32.58	Y			22/06/2016	BANKS	Unknown	MATERIAL RAW J2
B1	0.09	0.49	0.91	1.83	2.83	3.91	14.29	93%	27.12	Y			22/06/2016	BANKS	Unknown	MATERIAL RAW / J3

**SYMMETRIC SPINNAKERS (6)**

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
B1	14.35	14.36	14.36	7.77	7.37	92.00		22/06/2016	BANKS	Nylon	S2 0,6-0,75
B2	14.34	14.30	14.32	7.76	7.44	91.84		22/06/2016	BANKS	Nylon	S1 0,5
2	14.26	14.26	14.26	7.69	7.43	90.77		27/03/2011	NORTH	Nylon	0.5
1	14.22	14.22	14.22	7.65	7.04	89.21		27/03/2011	BANKS	Nylon	0.6
3	14.10	14.10	14.10	7.61	7.33	88.76		27/03/2011	NORTH	Nylon	0.75

**ASYMMETRIC SPINNAKERS (0)**

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
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