

<b>BOAT</b> Name <b>OXYGONON</b> Sail Nr <b>GRE-70</b>	<b>GPH</b> <b>604.9</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>0.422%</b> Offset File <b>X35.OFF - 17/12/2005 11:51:04</b> Measurement by <b>KALL/KALATZ/EXINT - 04/05/2006</b>		IMSL <b>9.511m</b> VCGD <b>0.065m</b> Sink <b>17.74kg/mm</b> RL <b>9.069m</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>655.7</b>		
Time on Time	<b>1.0185</b>			<b>1.0294</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>681.5</b>	<b>538.9</b>	<b>486.2</b>	<b>874.7</b>	<b>657.3</b>	<b>580.3</b>
Time on Time	<b>0.9904</b>	<b>1.2526</b>	<b>1.3883</b>	<b>0.7717</b>	<b>1.0269</b>	<b>1.1632</b>

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>977.2</b>	<b>811.3</b>	<b>726.9</b>	<b>701.2</b>	<b>691.6</b>	<b>683.1</b>	<b>677.1</b>
52°	<b>648.7</b>	<b>548.5</b>	<b>511.2</b>	<b>500.2</b>	<b>495.7</b>	<b>493.6</b>	<b>486.4</b>
60°	<b>617.3</b>	<b>530.7</b>	<b>499.8</b>	<b>487.6</b>	<b>482.6</b>	<b>480.0</b>	<b>471.3</b>
75°	<b>594.5</b>	<b>519.7</b>	<b>491.0</b>	<b>473.5</b>	<b>462.4</b>	<b>456.7</b>	<b>451.5</b>
90°	<b>601.4</b>	<b>519.4</b>	<b>489.5</b>	<b>469.8</b>	<b>450.9</b>	<b>436.1</b>	<b>421.9</b>
110°	<b>610.7</b>	<b>514.8</b>	<b>479.1</b>	<b>453.3</b>	<b>436.6</b>	<b>423.3</b>	<b>404.4</b>
120°	<b>628.4</b>	<b>524.6</b>	<b>484.8</b>	<b>455.6</b>	<b>428.3</b>	<b>406.6</b>	<b>381.5</b>
135°	<b>695.0</b>	<b>566.2</b>	<b>506.1</b>	<b>476.1</b>	<b>448.3</b>	<b>421.0</b>	<b>365.4</b>
150°	<b>823.5</b>	<b>657.7</b>	<b>558.0</b>	<b>505.2</b>	<b>477.2</b>	<b>451.4</b>	<b>401.6</b>
Run VMG	<b>950.9</b>	<b>759.4</b>	<b>643.3</b>	<b>571.0</b>	<b>520.0</b>	<b>488.0</b>	<b>438.8</b>

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Selected Courses							
Windward / Leeward	<b>964.0</b>	<b>785.4</b>	<b>685.1</b>	<b>636.1</b>	<b>605.8</b>	<b>585.6</b>	<b>558.0</b>
Circular Random	<b>822.5</b>	<b>668.4</b>	<b>587.4</b>	<b>541.4</b>	<b>513.3</b>	<b>494.6</b>	<b>469.0</b>
Coastal / Long Distance	<b>962.7</b>	<b>739.9</b>	<b>622.3</b>	<b>560.3</b>	<b>525.3</b>	<b>495.9</b>	<b>449.3</b>
Non Spinnaker	<b>875.8</b>	<b>706.0</b>	<b>615.3</b>	<b>563.0</b>	<b>531.0</b>	<b>509.9</b>	<b>482.2</b>

**Crew Weight**

Default 625kg  
Maximum **680kg**  
Minimum\* **510kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>634.5</b>	<b>0.9456</b>
Non Spin OSN	<b>617.0</b>	<b>0.9725</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>41.9°</b>	<b>40.9°</b>	<b>39.1°</b>	<b>37.9°</b>	<b>37.9°</b>	<b>37.6°</b>	<b>37.9°</b>
Beat VMG	<b>3.68</b>	<b>4.44</b>	<b>4.95</b>	<b>5.13</b>	<b>5.21</b>	<b>5.27</b>	<b>5.32</b>
52°	<b>5.55</b>	<b>6.56</b>	<b>7.04</b>	<b>7.20</b>	<b>7.26</b>	<b>7.29</b>	<b>7.40</b>
60°	<b>5.83</b>	<b>6.78</b>	<b>7.20</b>	<b>7.38</b>	<b>7.46</b>	<b>7.50</b>	<b>7.64</b>
75°	<b>6.06</b>	<b>6.93</b>	<b>7.33</b>	<b>7.60</b>	<b>7.79</b>	<b>7.88</b>	<b>7.97</b>
90°	<b>5.99</b>	<b>6.93</b>	<b>7.35</b>	<b>7.66</b>	<b>7.98</b>	<b>8.26</b>	<b>8.53</b>
110°	<b>5.89</b>	<b>6.99</b>	<b>7.51</b>	<b>7.94</b>	<b>8.25</b>	<b>8.50</b>	<b>8.90</b>
120°	<b>5.73</b>	<b>6.86</b>	<b>7.43</b>	<b>7.90</b>	<b>8.41</b>	<b>8.85</b>	<b>9.44</b>
135°	<b>5.18</b>	<b>6.36</b>	<b>7.11</b>	<b>7.56</b>	<b>8.03</b>	<b>8.55</b>	<b>9.85</b>
150°	<b>4.37</b>	<b>5.47</b>	<b>6.45</b>	<b>7.13</b>	<b>7.54</b>	<b>7.98</b>	<b>8.96</b>
Run VMG	<b>3.79</b>	<b>4.74</b>	<b>5.60</b>	<b>6.30</b>	<b>6.92</b>	<b>7.38</b>	<b>8.20</b>
Gybe Angles	<b>142.2°</b>	<b>148.6°</b>	<b>151.5°</b>	<b>159.0°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>

**Sails Limitations**

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

**Class Division Length**

CDL = **9.291**

**Storm Sails Areas**


Heavy Weather Jib **28.66**  
Storm Jib (JL=9.47) **10.61**  
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>

<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>	MDT1 <b>0.125</b>	MW <b>0.184</b>
IG <b>14.500</b>	J <b>4.185</b>	MDL1 <b>0.185</b>	GO <b>0.204</b>
ISP <b>14.530</b>	SFJ	MDT2 <b>0.122</b>	BD <b>0.220</b>
BAS <b>1.745</b>	SPL <b>4.180</b>	MDL2 <b>0.140</b>	MWT <b>156.00</b>
FSP <b>0.068</b>	TPS	TL <b>1.230</b>	MCG <b>4.600</b>





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

<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>

<b>COMMENTS</b>	

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

<b>CENTERBOARD</b>	
<b>N/A</b>	

<b>SAILS (Maximum Areas)</b>						
Mainsail	MHB	MUW	MTW	MHW	MQW	Area Area (r) Formula
	0.237	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	33.18	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	32.57	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

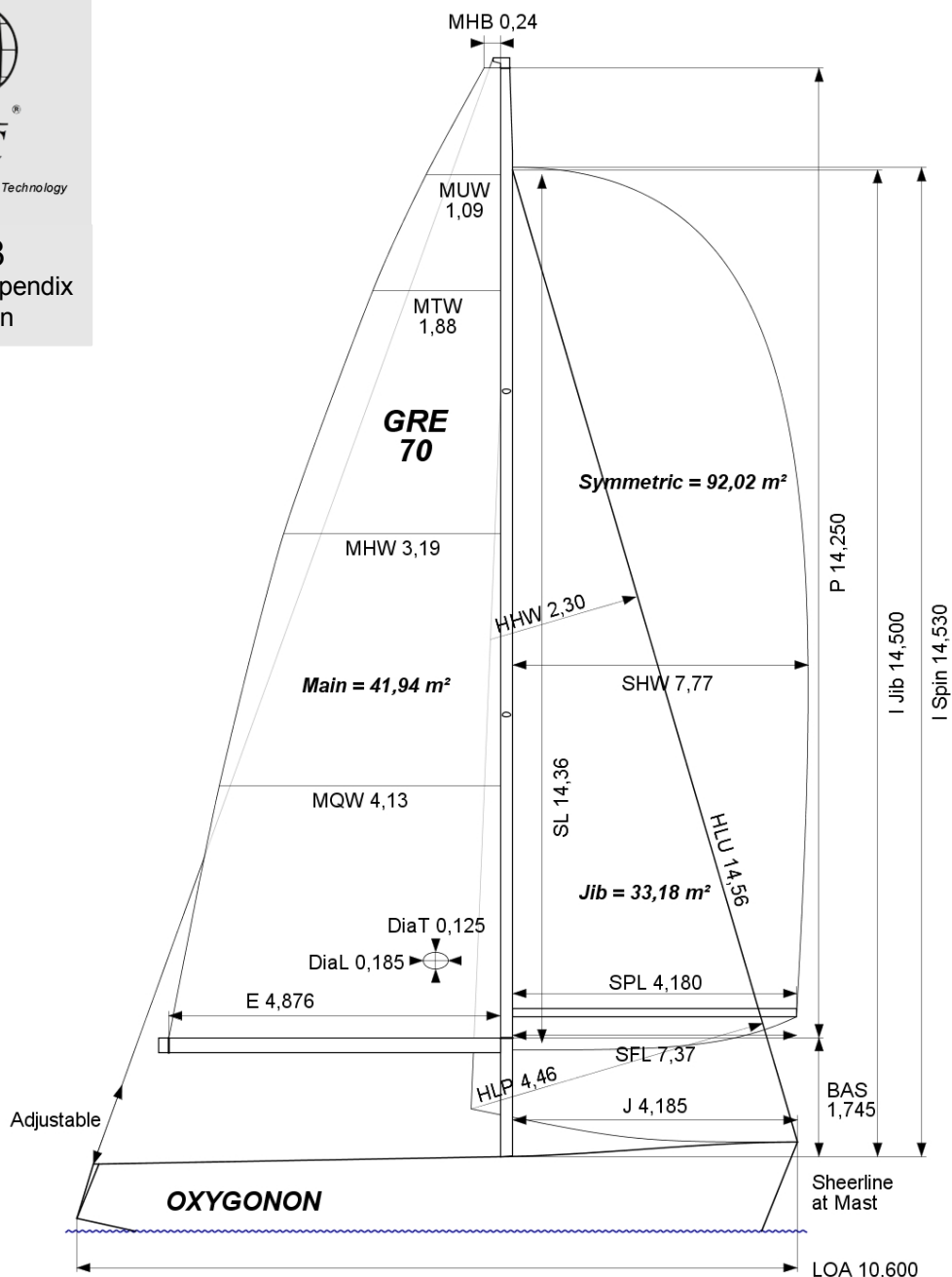
<b>MEASUREMENT INVENTORY</b>				
Measurer <b>EXINTAVELONI GRE-56</b>				
Date <b>11/06/2016</b>				
Comment				
<b>Id</b>	<b>Item</b>	<b>Weight</b>	<b>Distance</b>	<b>VCG Description</b>
<b>Id</b>	<b>Item</b>	<b>Maker</b>	<b>Model</b>	
1	Engine	YANMAR	3YM20	
<b>Id</b>	<b>Item</b>	<b>Weight Description</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 Condtn Description</b>
2	Tank	WATER	PVC	130.0	5.40	0.0 EMPTY
1	Tank	FUEL	INOX	60.0	6.10	45.0 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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Sail Plan



**SAILS INVENTORY**

**MAINSAIL (2)**

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
B1	0.237	1.09	1.88	3.19	4.13	41.94	EXINTAVELONI	22/06/2016	BANKS	Unknown	MATERIAL RAW
1	0.206	1.08	1.87	3.16	4.08	41.58	EXINTAVELONI	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%	33.18	Y	N	EXINTAV	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		EXINTAV	22/06/2016	BANKS	Unknown	MATERIAL RAW J1
B3	0.10	0.64	1.20	2.24	3.32	4.43	14.47	106%	32.57	Y		EXINTAV	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		EXINTAV	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	91.99	EXINTAVELONI	22/06/2016	BANKS	Nylon	S2 0,6-0,75
B2	14.34	14.30	14.32	7.76	7.44	91.84	EXINTAVELONI	22/06/2016	BANKS	Nylon	S1 0,5
2	14.26	14.26	14.26	7.69	7.43	90.76	EXINTAVELONI	27/03/2011	NORTH	Nylon	0.5
1	14.22	14.22	14.22	7.65	7.04	89.21	EXINTAVELONI	27/03/2011	BANKS	Nylon	0.6
3	14.10	14.10	14.10	7.61	7.33	88.76	EXINTAVELONI	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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