


<b>BOAT</b> Name <b>ELLINIXX</b> Sail Nr <b>GRE-2006</b>	<b>GPH</b> <b>584.3</b>	<b>HULL</b> Length Overall <b>12.100m</b> Maximum Beam <b>3.780m</b> Displacement <b>6,653kg</b> Draft <b>2.415m</b> Plan Review IMS Reg. Division <b>Cruiser/Racer</b> Dynamic Allowance <b>0.083%</b> Hull Construction <b>Cored</b> Carbon Rudder <b>No</b> Crew Arm Extension
<b>GENERAL</b> Class <b>IMX-40</b> Designer <b>N. JEPPESEN</b> Builder <b>X-YACHTS</b> Series <b>04/2000</b> Age <b>07/2001</b> Age Allowance <b>0.487%</b> Offset File <b>IMX40.OFF - 17/05/2001 17:04:00</b> Measurement by - <b>12/08/2005</b>		IMSLS <b>10.709m</b> VCGD <b>0.034m</b> Sink <b>21.97kg/mm</b> RL <b>9.859m</b> VCGM <b>0.041m</b> WS <b>29.38m<sup>2</sup></b> LSM0 <b>10.639m</b> Displacement/Length ratio <b>5.5248</b>



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	<b>567.7</b>			<b>632.8</b>		
Time on Time	<b>1.0568</b>			<b>1.0667</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>667.1</b>	<b>518.2</b>	<b>463.4</b>	<b>858.7</b>	<b>634.6</b>	<b>553.1</b>
Time on Time	<b>1.0119</b>	<b>1.3026</b>	<b>1.4566</b>	<b>0.7861</b>	<b>1.0636</b>	<b>1.2204</b>

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>979.5</b>	<b>809.5</b>	<b>713.0</b>	<b>672.5</b>	<b>657.8</b>	<b>651.7</b>	<b>636.1</b>
52°	<b>644.6</b>	<b>542.5</b>	<b>493.5</b>	<b>475.8</b>	<b>469.6</b>	<b>466.6</b>	<b>459.3</b>
60°	<b>610.5</b>	<b>519.8</b>	<b>481.1</b>	<b>464.6</b>	<b>457.2</b>	<b>453.5</b>	<b>447.5</b>
75°	<b>584.3</b>	<b>504.4</b>	<b>472.2</b>	<b>453.8</b>	<b>440.7</b>	<b>432.5</b>	<b>425.8</b>
90°	<b>591.8</b>	<b>503.0</b>	<b>469.8</b>	<b>451.9</b>	<b>434.6</b>	<b>419.0</b>	<b>399.2</b>
110°	<b>592.5</b>	<b>494.2</b>	<b>457.3</b>	<b>434.4</b>	<b>419.9</b>	<b>408.0</b>	<b>387.7</b>
120°	<b>607.4</b>	<b>502.4</b>	<b>461.5</b>	<b>434.9</b>	<b>410.2</b>	<b>392.4</b>	<b>369.4</b>
135°	<b>669.5</b>	<b>543.4</b>	<b>481.0</b>	<b>451.5</b>	<b>425.8</b>	<b>400.6</b>	<b>351.6</b>
150°	<b>791.0</b>	<b>634.4</b>	<b>536.2</b>	<b>481.4</b>	<b>453.8</b>	<b>429.9</b>	<b>384.0</b>
Run VMG	<b>913.4</b>	<b>732.5</b>	<b>619.2</b>	<b>548.2</b>	<b>501.5</b>	<b>467.7</b>	<b>421.5</b>

**Certificate**  
Number **00758**  
ORC Ref **03420000NAW**  
Issued On **29/07/2020**  
VPP Ver. **2020 1.02**  
Valid until **28/02/2021**

**Crew Weight**  
Default **752kg**  
Maximum **828kg**  
Minimum\* **621kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>620.1</b>	<b>0.9676</b>
Non Spin OSN	<b>602.0</b>	<b>0.9967</b>

Selected Courses							
Windward / Leeward	<b>946.4</b>	<b>771.0</b>	<b>666.1</b>	<b>610.3</b>	<b>579.7</b>	<b>559.7</b>	<b>528.8</b>
Circular Random	<b>801.7</b>	<b>648.5</b>	<b>567.0</b>	<b>520.1</b>	<b>491.2</b>	<b>471.9</b>	<b>445.4</b>
Coastal / Long Distance	<b>943.1</b>	<b>724.8</b>	<b>602.9</b>	<b>536.3</b>	<b>501.3</b>	<b>473.6</b>	<b>428.2</b>
Non Spinnaker	<b>866.4</b>	<b>694.2</b>	<b>600.8</b>	<b>545.9</b>	<b>511.9</b>	<b>489.2</b>	<b>459.1</b>

**Sails Limitations**

Headsails	Spinnakers
<b>6</b>	<b>4</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>42.4°</b>	<b>40.9°</b>	<b>40.1°</b>	<b>38.4°</b>	<b>38.3°</b>	<b>37.9°</b>	<b>37.5°</b>
Beat VMG	<b>3.68</b>	<b>4.45</b>	<b>5.05</b>	<b>5.35</b>	<b>5.47</b>	<b>5.52</b>	<b>5.66</b>
52°	<b>5.58</b>	<b>6.64</b>	<b>7.29</b>	<b>7.57</b>	<b>7.67</b>	<b>7.72</b>	<b>7.84</b>
60°	<b>5.90</b>	<b>6.93</b>	<b>7.48</b>	<b>7.75</b>	<b>7.87</b>	<b>7.94</b>	<b>8.04</b>
75°	<b>6.16</b>	<b>7.14</b>	<b>7.62</b>	<b>7.93</b>	<b>8.17</b>	<b>8.32</b>	<b>8.45</b>
90°	<b>6.08</b>	<b>7.16</b>	<b>7.66</b>	<b>7.97</b>	<b>8.28</b>	<b>8.59</b>	<b>9.02</b>
110°	<b>6.08</b>	<b>7.28</b>	<b>7.87</b>	<b>8.29</b>	<b>8.57</b>	<b>8.82</b>	<b>9.29</b>
120°	<b>5.93</b>	<b>7.17</b>	<b>7.80</b>	<b>8.28</b>	<b>8.78</b>	<b>9.18</b>	<b>9.75</b>
135°	<b>5.38</b>	<b>6.62</b>	<b>7.49</b>	<b>7.97</b>	<b>8.46</b>	<b>8.99</b>	<b>10.24</b>
150°	<b>4.55</b>	<b>5.67</b>	<b>6.71</b>	<b>7.48</b>	<b>7.93</b>	<b>8.37</b>	<b>9.38</b>
Run VMG	<b>3.94</b>	<b>4.91</b>	<b>5.81</b>	<b>6.57</b>	<b>7.18</b>	<b>7.70</b>	<b>8.54</b>
Gybe Angles	<b>142.3°</b>	<b>148.0°</b>	<b>150.0°</b>	<b>156.5°</b>	<b>172.0°</b>	<b>180.0°</b>	<b>180.0°</b>

**Class Division Length**  
CDL = **10.275**

**Storm Sails Areas**

Heavy Weather Jib	<b>34.75</b>
Storm Jib (JL=10.43)	<b>12.87</b>
Storm Trysail	<b>14.36</b>

**Owner**

<b>BOAT</b>	
Name <b>ELLINIXX</b>	Sail Nr <b>GRE-2006</b>
File <b>GR2006</b>	Data in <b>meters/kilograms</b>

<b>INCLINING TEST AND FREEBOARDS</b>					
Inclining Test <b>Current Inclining</b>					
Flotation date <b>21/08/2013</b>				SG <b>1.0290</b>	
FFM	<b>1.389</b>	FF	<b>1.382</b>	SFFP	<b>0.405</b>
FAM	<b>1.118</b>	FA	<b>1.128</b>	SAFP	<b>11.420</b>
W1	<b>100.0</b>	PD1	<b>254.0</b>	WD	<b>12.032</b>
W2	<b>100.0</b>	PD2	<b>254.0</b>	GSA	<b>50.2</b>
W3	<b>100.0</b>	PD3	<b>254.0</b>	RSA	<b>5941.7</b>
W4	<b>100.0</b>	PD4	<b>254.0</b>	PLM	<b>2069.0</b>
LCF from stem on CL / on sheer				<b>6.686 / 6.925</b>	
Maximum beam station from stem				<b>7.990</b>	
RM Measured				<b>170.1kg-m</b>	
RM Default				<b>175.7kg-m</b>	
Limit of positive stability / Stab.Index				<b>118.0° / 119.6</b>	
Freeboard at mast at 4.482				<b>1.256</b>	



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<b>RIG</b>					
Forestay Tension	<b>Aft</b>	Runners/Checkstays		<b>3</b>	
Inner Stay	<b>None Fitted</b>	Main Furler		<b>No</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>15.000</b>	E	<b>5.470</b>	MDT1	<b>0.120</b>
IG	<b>15.985</b>	J	<b>4.482</b>	MDL1	<b>0.240</b>
ISP	<b>16.560</b>	SFJ	<b>0.000</b>	MDT2	<b>0.099</b>
BAS	<b>1.795</b>	SPL	<b>4.900</b>	MDL2	<b>0.182</b>
FSD	<b>0.035</b>	TPS		TL	<b>0.930</b>
				MW	<b>0.240</b>
				GO	<b>0.256</b>
				BD	<b>0.270</b>
				MWT	<b>181.90</b>
				MCG	<b>5.139</b>

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

<b>PROPELLER</b>			
Installation	<b>Strut</b>	PRD	<b>0.430</b>
Type	<b>Folding 2 blades</b>	PBW	
Twin Screw	<b>No</b>	PIPA	<b>0.0031</b>
ST1	<b>0.048</b>	ST3	<b>0.171</b>
ST2	<b>0.169</b>	ST4	<b>0.098</b>
		ST5	<b>0.274</b>
		EDL	<b>1.600</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	
	0.25	1.21	2.11	3.55	4.62	49.33	50.47	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL	126.00		SL · (SFL + 4·SHW) / 6	
	16.23	16.23	16.23	9.46	8.74				
<b>Asymmetric</b>									
Not Available									

<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
0.19	0.76	1.35	2.45	3.51	4.53	15.63	37.53	Y	No	23/07/2020	Carbon	Jib Light
0.19	0.71	1.26	2.36	3.48	4.57	15.59	36.79	Y	No	23/07/2020	Carbon	Jib Medium
0.11	0.61	1.13	2.22	3.36	4.48	15.57	35.02	Y	No	16/06/2011	Kevlar	#3
0.03	0.62	1.18	2.21	3.13	3.99	15.35	32.55		Inner	23/06/2016	Nylon	Staysail

<b>MEASUREMENT INVENTORY</b>				
Measurer <b>GRE-56</b>				
Date <b>21/08/2013</b>				
Comment				
<b>Internal Ballast total = 467.0</b>				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
<i>Id</i>	<i>Item</i>	<i>Weight Description</i>		

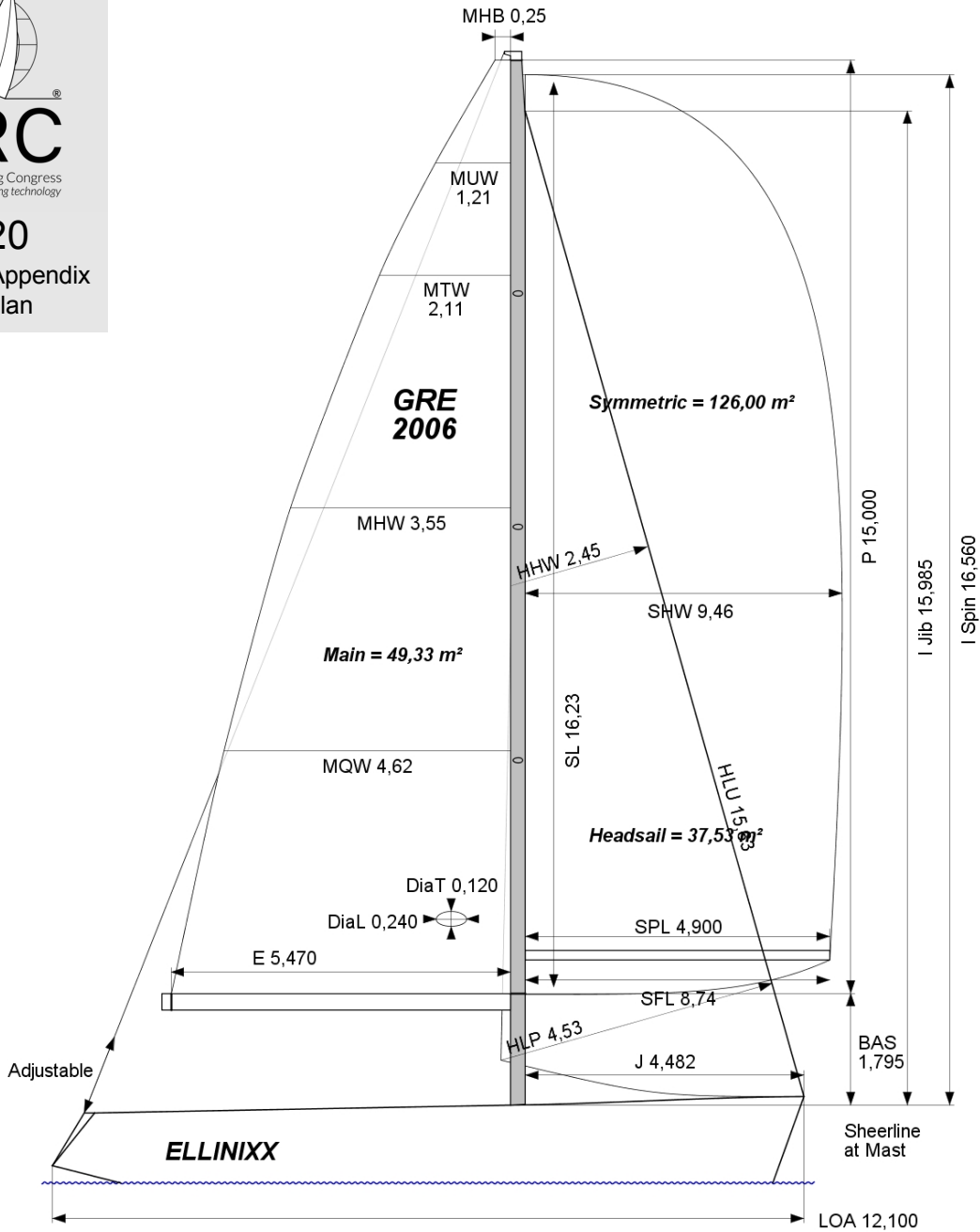
<b>MEASUREMENT INVENTORY</b>									
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn</i>	<i>Description</i>	
1	Tank	FUEL	INOX	90.0	9.05		90.0		
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>					
1	Ballast	355.0	5.40	LEAD + ZINC					
2	Ballast	112.0	8.00	14 bars x 8kg					



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Sail Plan



**SAILS INVENTORY**

**MAINSAIL (1)**

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.25	1.21	2.11	3.55	4.62	49.34		14/09/2017	QUANTUM	Carbon	

**HEADSAILS (4)**

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
7	0.19	0.76	1.35	2.45	3.51	4.53	15.63	101%	37.53	Y	No		23/07/2020	Quantum	Carbon	Jib Light
2	0.19	0.71	1.26	2.36	3.48	4.57	15.59	102%	36.79	Y	No		23/07/2020	Quantum	Carbon	Jib Medium
3	0.11	0.61	1.13	2.22	3.36	4.48	15.57	100%	35.02	Y	No		16/06/2011	Quantum	Kevlar	#3
5	0.03	0.62	1.18	2.21	3.13	3.99	15.35	89%	32.55		Inner		23/06/2016	Quantum	Nylon	Staysail

**SYMMETRIC SPINNAKERS (4)**

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
2	16.24	16.22	16.23	9.46	8.74	126.00		23/06/2016	QUANTUM	Nylon	S2 0.6 RUNNER
3	16.27	16.28	16.28	9.43	8.68	125.86		23/06/2016	QUANTUM	Nylon	S1.5AP
1	16.31	16.33	16.32	8.75	8.74	118.98		23/06/2016	QUANTUM	Nylon	0.75
4	16.08	16.04	16.06	8.66	8.06	114.30		23/06/2016	OS3	Nylon	S2

**ASYMMETRIC SPINNAKERS (0)**

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