

<b>BOAT</b> Name <b>TILE 3</b> Sail Nr <b>GRE-4</b>	<b>GPH</b> <b>607.7</b>	<b>HULL</b> Length Overall <b>11.360m</b> Maximum Beam <b>3.660m</b> Displacement <b>5,473kg</b> Draft <b>2.102m</b> IMS Reg. Division <b>Performance</b> Dynamic Allowance <b>0.006%</b> Fwd Accommodation <b>No</b> Hull Construction <b>Cored</b> Carbon Rudder <b>No</b> Crew Arm Extension
<b>GENERAL</b> Class <b>IMX-38</b> Designer <b>N.JEPESEN</b> Builder <b>X-YACHTS</b> Series <b>09/1992</b> Age <b>04/1993</b> Age Allowance <b>0.487%</b> Offset File <b>ORC0010.OFF - 23/11/1995 11:10:40</b> Measurement by <b>DIMOU - 06/08/2002</b>		IMSL <b>9.834m</b> VCGD <b>-0.028m</b> Sink <b>19.65kg/mm</b> RL <b>9.173m</b> VCGM <b>0.037m</b> WS <b>26.10m<sup>2</sup></b> LSM0 <b>9.741m</b> Displacement/Length ratio <b>5.9213</b>



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<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>590.4</b>			<b>657.7</b>		
Time on Time	<b>1.0163</b>			<b>1.0263</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>692.0</b>	<b>539.3</b>	<b>484.0</b>	<b>888.4</b>	<b>659.9</b>	<b>578.3</b>
Time on Time	<b>0.9755</b>	<b>1.2516</b>	<b>1.3946</b>	<b>0.7598</b>	<b>1.0229</b>	<b>1.1673</b>

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<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>991.7</b>	<b>824.1</b>	<b>731.9</b>	<b>697.2</b>	<b>683.2</b>	<b>677.3</b>	<b>672.7</b>
52°	<b>656.2</b>	<b>553.0</b>	<b>509.2</b>	<b>493.1</b>	<b>487.1</b>	<b>484.1</b>	<b>483.9</b>
60°	<b>624.3</b>	<b>532.7</b>	<b>497.2</b>	<b>481.6</b>	<b>474.2</b>	<b>470.2</b>	<b>467.8</b>
75°	<b>602.0</b>	<b>520.2</b>	<b>488.6</b>	<b>470.4</b>	<b>456.5</b>	<b>447.5</b>	<b>440.2</b>
90°	<b>610.1</b>	<b>523.1</b>	<b>488.7</b>	<b>468.3</b>	<b>449.9</b>	<b>434.1</b>	<b>413.7</b>
110°	<b>628.7</b>	<b>520.7</b>	<b>479.9</b>	<b>454.8</b>	<b>434.0</b>	<b>422.5</b>	<b>402.1</b>
120°	<b>645.7</b>	<b>531.9</b>	<b>485.4</b>	<b>457.6</b>	<b>431.8</b>	<b>409.9</b>	<b>383.5</b>
135°	<b>711.9</b>	<b>577.2</b>	<b>507.4</b>	<b>475.6</b>	<b>449.9</b>	<b>424.3</b>	<b>376.7</b>
150°	<b>838.5</b>	<b>666.6</b>	<b>564.2</b>	<b>505.7</b>	<b>476.4</b>	<b>452.5</b>	<b>406.5</b>
Run VMG	<b>968.2</b>	<b>769.7</b>	<b>650.9</b>	<b>575.6</b>	<b>523.6</b>	<b>488.1</b>	<b>441.4</b>

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Number **000145**  
ORC Ref **GRE01009225**  
Issued On **16/03/2018**  
VPP Ver. **2018 1.00**  
Valid until **28/02/2019**

<b>Selected Courses</b>							
Windward / Leeward	<b>979.9</b>	<b>796.9</b>	<b>691.4</b>	<b>636.4</b>	<b>603.4</b>	<b>582.7</b>	<b>557.1</b>
Circular Random	<b>832.6</b>	<b>673.9</b>	<b>589.7</b>	<b>541.4</b>	<b>512.0</b>	<b>492.8</b>	<b>468.1</b>
Coastal / Long Distance	<b>978.7</b>	<b>750.2</b>	<b>626.5</b>	<b>559.1</b>	<b>522.5</b>	<b>493.3</b>	<b>447.6</b>
Non Spinnaker	<b>886.5</b>	<b>712.1</b>	<b>618.0</b>	<b>563.3</b>	<b>529.6</b>	<b>507.6</b>	<b>479.5</b>

**Crew Weight**

Default **663kg**  
Maximum **663kg**  
Minimum\* **497kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Non Spin GPH	<b>637.7</b>	<b>0.9409</b>
Non Spin OSN	<b>619.4</b>	<b>0.9687</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>42.2°</b>	<b>41.2°</b>	<b>40.0°</b>	<b>38.7°</b>	<b>38.5°</b>	<b>38.3°</b>	<b>38.3°</b>
Beat VMG	<b>3.63</b>	<b>4.37</b>	<b>4.92</b>	<b>5.16</b>	<b>5.27</b>	<b>5.32</b>	<b>5.35</b>
52°	<b>5.49</b>	<b>6.51</b>	<b>7.07</b>	<b>7.30</b>	<b>7.39</b>	<b>7.44</b>	<b>7.44</b>
60°	<b>5.77</b>	<b>6.76</b>	<b>7.24</b>	<b>7.48</b>	<b>7.59</b>	<b>7.66</b>	<b>7.70</b>
75°	<b>5.98</b>	<b>6.92</b>	<b>7.37</b>	<b>7.65</b>	<b>7.89</b>	<b>8.04</b>	<b>8.18</b>
90°	<b>5.90</b>	<b>6.88</b>	<b>7.37</b>	<b>7.69</b>	<b>8.00</b>	<b>8.29</b>	<b>8.70</b>
110°	<b>5.73</b>	<b>6.91</b>	<b>7.50</b>	<b>7.92</b>	<b>8.29</b>	<b>8.52</b>	<b>8.95</b>
120°	<b>5.58</b>	<b>6.77</b>	<b>7.42</b>	<b>7.87</b>	<b>8.34</b>	<b>8.78</b>	<b>9.39</b>
135°	<b>5.06</b>	<b>6.24</b>	<b>7.09</b>	<b>7.57</b>	<b>8.00</b>	<b>8.48</b>	<b>9.56</b>
150°	<b>4.29</b>	<b>5.40</b>	<b>6.38</b>	<b>7.12</b>	<b>7.56</b>	<b>7.96</b>	<b>8.86</b>
Run VMG	<b>3.72</b>	<b>4.68</b>	<b>5.53</b>	<b>6.25</b>	<b>6.88</b>	<b>7.37</b>	<b>8.16</b>
Gybe Angles	<b>145.1°</b>	<b>149.1°</b>	<b>151.1°</b>	<b>156.9°</b>	<b>174.4°</b>	<b>180.0°</b>	<b>180.0°</b>

**Sails Limitations**

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

**Class Division Length**

CDL = **9.505**

**Storm Sails Areas**


Heavy Weather Jib **32.75**  
Storm Jib (JL=10.12) **12.13**  
Storm Trysail **11.45**

**Owner**

<b>BOAT</b>	
Name <b>TILE 3</b>	Sail Nr <b>GRE-4</b>
File <b>GR4IMX</b>	Data in <b>meters/kilograms</b>

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Current Inclining</b>			
Flotation date <b>27/07/1997</b>		SG <b>1.0280</b>	
FFM <b>1.234</b>	FF <b>1.225</b>	SFFP <b>1.098</b>	
FAM <b>0.939</b>	FA <b>0.951</b>	SAFP <b>10.595</b>	
W1 <b>17.0</b>	PD1 <b>41.0</b>	WD <b>11.960</b>	
W2 <b>34.0</b>	PD2 <b>82.0</b>	GSA <b>28.3</b>	
W3 <b>51.0</b>	PD3 <b>124.0</b>	RSA <b>5674.5</b>	
W4 <b>68.0</b>	PD4 <b>165.0</b>	PLM <b>1628.0</b>	
LCF from stem on CL / on sheer		<b>6.255 / 6.496</b>	
Maximum beam station from stem		<b>6.705</b>	
RM Measured		<b>139.6kg-m</b>	
RM Default		<b>134.3kg-m</b>	
Limit of positive stability / Stab.Index		<b>113.2° / 112.6</b>	
Freeboard at mast at 4.685		<b>1.090</b>	

<b>RIG</b>			
Forestay Tension <b>Aft</b>	Spreaders <b>3</b>		
Inner Stay <b>None Fitted</b>	Runners <b>1</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>13.350</b>	E <b>4.900</b>	MDT1 <b>0.117</b>	MW <b>0.160</b>
IG <b>15.480</b>	J <b>4.390</b>	MDL1 <b>0.200</b>	GO <b>0.187</b>
ISP <b>15.431</b>	SFJ <b>0.295</b>	MDT2 <b>0.116</b>	BD <b>0.190</b>
BAS <b>1.826</b>	SPL <b>4.400</b>	MDL2 <b>0.160</b>	MWT <b>180.00</b>
FSP <b>0.084</b>	TPS	TL <b>1.600</b>	MCG <b>5.000</b>




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**IMS Measurement Certificate**

**Certificate**

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

<b>PROPELLER</b>			
Installation <b>Strut</b>	PRD <b>0.398</b>		
Type <b>Folding 2 blades</b>	PBW <b>0.110</b>		
Twin Screw <b>No</b>	PIPA <b>0.0031</b>		
ST1 <b>0.048</b>	ST3 <b>0.170</b>	ST5 <b>0.280</b>	
ST2 <b>0.170</b>	ST4 <b>0.097</b>	EDL <b>1.480</b>	

<b>COMMENTS</b>	
ex "OKYALOS VII", ex "ALPHA BANK", ex "ALPHACARD-ELECTRON", ex "MAC GREGOR"	

<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	
	0.160	1.08	1.91	3.19	4.13	39.32	40.27	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL	99.51		SL · (SFL + 4·SHW) / 6	
	15.25	15.25	15.25	7.90	7.55				
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>
0.06	0.62	1.19	2.54	4.08	5.84	14.99	40.66			09/05/2014	Kevlar	
					3.36	11.80	20.18			09/05/2014	Dacron	

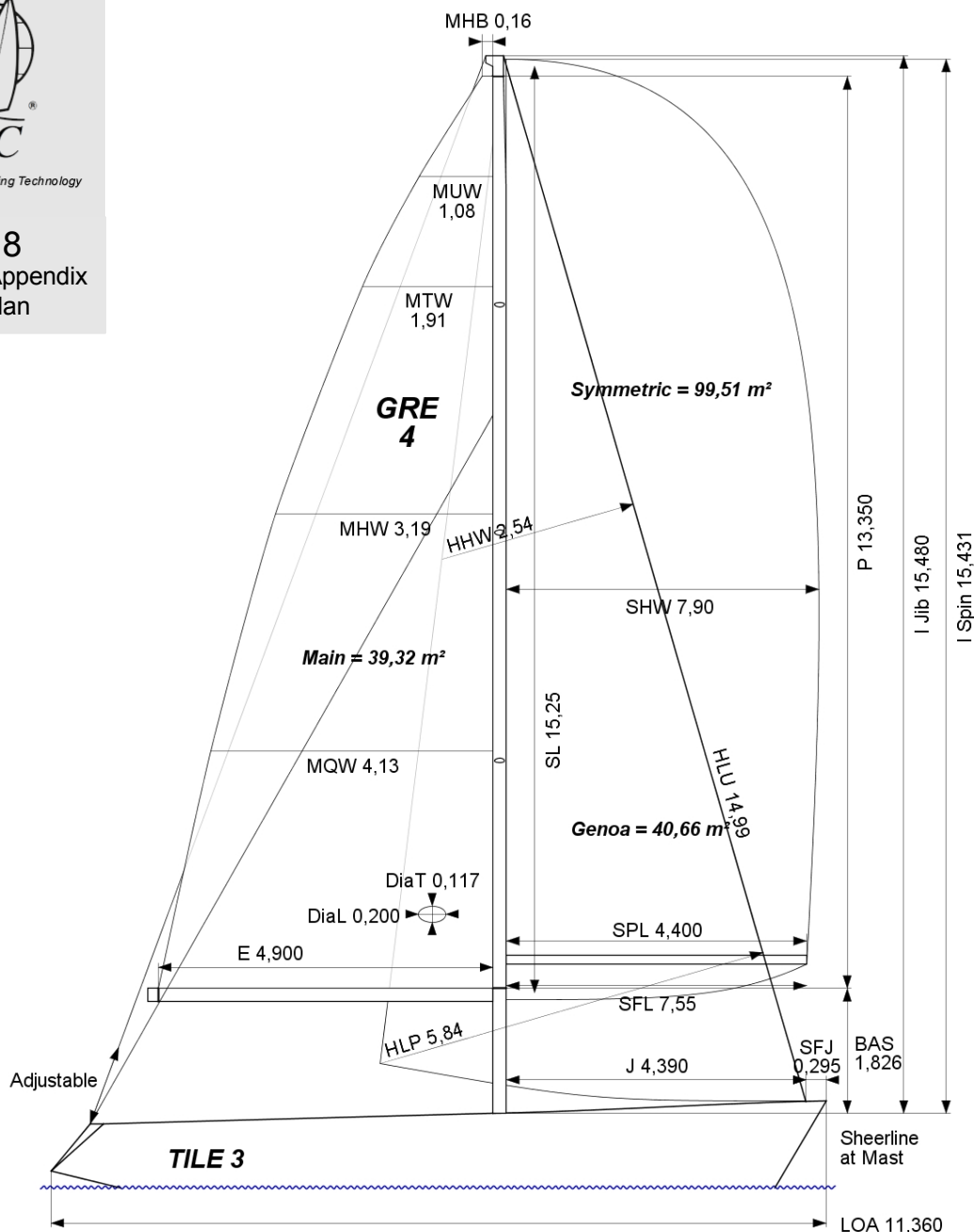
<b>MEASUREMENT INVENTORY</b>				
Measurer <b>DIMOU GRE-9</b>				
Date <b>27/07/1997</b>				
Comment				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
4	Anchor	40.0	40.40	Anchor + chain +
2	Anchor	40.0	40.40	Anchor + chain
4	Tools	5.0	8.50	
<i>Id</i>	<i>Item</i>	<i>Maker</i>	<i>Model</i>	
1	Engine	VOLVO	2003	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Description</i>	
4	Deck-Gear	6.0		

<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		Inox	60.0	6.25		0.0	
2	Tank Water		PVC	135.0	6.25		0.0	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>				
1	Battery	60.0	6.70	3 x 20kg				



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Sail Plan



**SAILS INVENTORY**

**MAINSAIL (2)**

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.160	1.08	1.91	3.19	4.13	39.32	VARVARIGOS	09/05/2014	ZOUGANELI	Dacron	
ORC	0.150	0.94	1.75	3.08	4.09	38.18					* Copied from legacy

**HEADSAILS (2)**

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
2	0.06	0.62	1.19	2.54	4.08	5.84	14.99	133%	40.66			VARVARI	09/05/2014		Kevlar	
4						3.36	11.80	77%	20.18			VARVARI	09/05/2014		Dacron	

**SYMMETRIC SPINNAKERS (2)**

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	15.25	15.25	15.25	7.90	7.55	99.51	VARVARIGOS	09/05/2014	ELVSTROM	Polyester	0.6
2	15.25	15.25	15.25	7.72	7.72	98.11	VARVARIGOS	09/05/2014	ELVSTROM	Polyester	0.5

**ASYMMETRIC SPINNAKERS (0)**

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