

<b>BOAT</b> Name <b>ESCAPE</b> Sail Nr <b>GRE-332</b>	<b>GPH</b> <b>659.2</b>	<b>HULL</b> Length Overall <b>9.978m</b> Maximum Beam <b>3.284m</b> Displacement <b>4,920kg</b> Draft <b>1.844m</b> IMS Reg. Division <b>Cruiser/Racer</b> Dynamic Allowance <b>0.268%</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-332</b> Designer <b>N. JEPPESEN</b> Builder <b>X-YACHTS</b> Series <b>10/1994</b> Age <b>07/1997</b> Age Allowance <b>0.487%</b> Offset File <b>IIX332.OFF - 29/02/1996 17:14:12</b> Measurement by - <b>30/08/2004</b>		IMSL <b>9.241m</b> VCGD <b>0.038m</b> Sink <b>17.45kg/mm</b> RL <b>7.605m</b> VCGM <b>0.075m</b> WS <b>23.39m<sup>2</sup></b> LSM0 <b>9.248m</b> Displacement/Length ratio <b>6.2204</b>



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SCORING OPTIONS						
Time on Distance	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	<b>640.7</b>			<b>714.9</b>		
Time on Time	<b>0.9365</b>			<b>0.9441</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>755.5</b>	<b>583.2</b>	<b>523.6</b>	<b>975.7</b>	<b>718.4</b>	<b>625.5</b>
Time on Time	<b>0.8934</b>	<b>1.1575</b>	<b>1.2892</b>	<b>0.6918</b>	<b>0.9396</b>	<b>1.0791</b>

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1114.4</b>	<b>925.1</b>	<b>819.5</b>	<b>765.7</b>	<b>749.2</b>	<b>744.2</b>	<b>736.5</b>
52°	<b>729.5</b>	<b>618.2</b>	<b>555.6</b>	<b>531.1</b>	<b>522.8</b>	<b>519.4</b>	<b>515.6</b>
60°	<b>690.7</b>	<b>588.5</b>	<b>538.0</b>	<b>517.3</b>	<b>508.0</b>	<b>504.3</b>	<b>502.1</b>
75°	<b>661.8</b>	<b>567.0</b>	<b>525.8</b>	<b>505.6</b>	<b>492.4</b>	<b>483.5</b>	<b>476.9</b>
90°	<b>664.9</b>	<b>557.4</b>	<b>515.0</b>	<b>499.7</b>	<b>487.1</b>	<b>472.4</b>	<b>450.6</b>
110°	<b>662.6</b>	<b>552.5</b>	<b>509.7</b>	<b>485.7</b>	<b>464.7</b>	<b>451.5</b>	<b>433.4</b>
120°	<b>684.9</b>	<b>566.6</b>	<b>516.0</b>	<b>490.3</b>	<b>467.2</b>	<b>444.9</b>	<b>415.7</b>
135°	<b>760.8</b>	<b>621.8</b>	<b>542.9</b>	<b>507.9</b>	<b>484.5</b>	<b>460.9</b>	<b>416.3</b>
150°	<b>899.6</b>	<b>714.0</b>	<b>606.3</b>	<b>539.9</b>	<b>507.9</b>	<b>485.7</b>	<b>441.6</b>
Run VMG	<b>1038.8</b>	<b>824.4</b>	<b>698.3</b>	<b>613.1</b>	<b>552.4</b>	<b>515.9</b>	<b>471.8</b>

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Number **00273S**  
ORC Ref **GRE01015780**  
Issued On **29/05/2019**  
VPP Ver. **2019 1.01**  
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Selected Courses							
Windward / Leeward	<b>1076.6</b>	<b>874.8</b>	<b>758.9</b>	<b>689.4</b>	<b>650.8</b>	<b>630.0</b>	<b>604.2</b>
Circular Random	<b>906.9</b>	<b>732.5</b>	<b>639.3</b>	<b>585.9</b>	<b>553.7</b>	<b>533.2</b>	<b>507.5</b>
Coastal / Long Distance	<b>1072.8</b>	<b>821.1</b>	<b>683.5</b>	<b>603.8</b>	<b>564.1</b>	<b>534.0</b>	<b>484.6</b>
Non Spinnaker	<b>964.0</b>	<b>772.4</b>	<b>668.6</b>	<b>608.0</b>	<b>571.0</b>	<b>547.5</b>	<b>519.5</b>

**Crew Weight**  
Default 616kg  
Maximum **400kg**  
Minimum\* **300kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**  
ToD ToT  
Non Spin GPH **690.2 0.8693**  
Non Spin OSN **668.3 0.8978**

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>42.7°</b>	<b>41.1°</b>	<b>40.8°</b>	<b>40.1°</b>	<b>39.6°</b>	<b>39.5°</b>	<b>39.5°</b>
Beat VMG	<b>3.23</b>	<b>3.89</b>	<b>4.39</b>	<b>4.70</b>	<b>4.81</b>	<b>4.84</b>	<b>4.89</b>
52°	<b>4.93</b>	<b>5.82</b>	<b>6.48</b>	<b>6.78</b>	<b>6.89</b>	<b>6.93</b>	<b>6.98</b>
60°	<b>5.21</b>	<b>6.12</b>	<b>6.69</b>	<b>6.96</b>	<b>7.09</b>	<b>7.14</b>	<b>7.17</b>
75°	<b>5.44</b>	<b>6.35</b>	<b>6.85</b>	<b>7.12</b>	<b>7.31</b>	<b>7.45</b>	<b>7.55</b>
90°	<b>5.41</b>	<b>6.46</b>	<b>6.99</b>	<b>7.20</b>	<b>7.39</b>	<b>7.62</b>	<b>7.99</b>
110°	<b>5.43</b>	<b>6.52</b>	<b>7.06</b>	<b>7.41</b>	<b>7.75</b>	<b>7.97</b>	<b>8.31</b>
120°	<b>5.26</b>	<b>6.35</b>	<b>6.98</b>	<b>7.34</b>	<b>7.70</b>	<b>8.09</b>	<b>8.66</b>
135°	<b>4.73</b>	<b>5.79</b>	<b>6.63</b>	<b>7.09</b>	<b>7.43</b>	<b>7.81</b>	<b>8.65</b>
150°	<b>4.00</b>	<b>5.04</b>	<b>5.94</b>	<b>6.67</b>	<b>7.09</b>	<b>7.41</b>	<b>8.15</b>
Run VMG	<b>3.47</b>	<b>4.37</b>	<b>5.16</b>	<b>5.87</b>	<b>6.52</b>	<b>6.98</b>	<b>7.63</b>
Gybe Angles	<b>145.5°</b>	<b>150.5°</b>	<b>152.7°</b>	<b>158.7°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>

**Sails Limitations**  
Headsails **5** | Spinnakers **3**

**Class Division Length**  
CDL = **8.424**

**Storm Sails Areas**  
Heavy Weather Jib **23.72**  
Storm Jib (JL=8.62) **8.79**  
Storm Trysail **10.52**

**Owner**

<b>BOAT</b>	
Name <b>ESCAPE</b>	Sail Nr <b>GRE-332</b>
File <b>GR332</b>	Data in <b>meters/kilograms</b>

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Current Inclining</b>			
Flotation date <b>05/05/2007</b>		SG <b>1.0280</b>	
FFM <b>1.162</b>	FF <b>1.160</b>	SFFP <b>0.431</b>	
FAM <b>0.955</b>	FA <b>0.961</b>	SAFP <b>9.131</b>	
W1 <b>68.0</b>	PD1 <b>243.0</b>	WD <b>10.250</b>	
W2 <b>68.0</b>	PD2 <b>243.0</b>	GSA <b>41.5</b>	
W3 <b>68.0</b>	PD3 <b>243.0</b>	RSA <b>6082.1</b>	
W4 <b>68.0</b>	PD4 <b>243.0</b>	PLM <b>2110.0</b>	
LCF from stem on CL / on sheer		<b>5.539 / 5.771</b>	
Maximum beam station from stem		<b>6.249</b>	
RM Measured		<b>105.2kg-m</b>	
RM Default		<b>104.2kg-m</b>	
Limit of positive stability / Stab.Index		<b>112.3° / 114.0</b>	
Freeboard at mast at 3.852		<b>1.055</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>13.150</b>	E <b>4.568</b>	MDT1 <b>0.116</b>	MW <b>0.165</b>
IG <b>13.210</b>	J <b>3.542</b>	MDL1 <b>0.165</b>	GO <b>0.177</b>
ISP <b>13.210</b>	SFJ <b>0.310</b>	MDT2 <b>0.103</b>	BD <b>0.151</b>
BAS <b>1.700</b>	SPL <b>3.555</b>	MDL2 <b>0.133</b>	MWT <b>121.00</b>
FSP <b>0.062</b>	TPS	TL <b>1.600</b>	MCG <b>4.586</b>

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

<b>PROPELLER</b>			
Installation <b>Strut</b>	PRD <b>0.410</b>		
Type <b>Folding 2 blades</b>	PBW <b>0.118</b>		
Twin Screw <b>No</b>	PIPA <b>0.0034</b>		
ST1 <b>0.041</b>	ST3	ST5 <b>0.310</b>	
ST2	ST4 <b>0.112</b>	EDL <b>2.000</b>	

<b>COMMENTS</b>	
ex "VIRUS II"	

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

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



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<b>SAILS (Maximum Areas)</b>									
<b>Mainsail</b>	<b>MHB</b>	<b>MUW</b>	<b>MTW</b>	<b>MHW</b>	<b>MQW</b>	<b>Area</b>	<b>Area (r)</b>	<b>Formula</b>	
	0.130	0.96	1.71	2.90	3.85	35.60	36.30	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
<b>Symmetric</b>	<b>SLU</b>	<b>SLE</b>	<b>SL</b>	<b>SHW</b>	<b>SFL</b>				
	12.99	12.99	12.99	6.36	6.25	68.61		SL · (SFL + 4·SHW) / 6	
<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)												
<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>
0.04	0.50	0.95	1.88	2.86	3.83	12.58	24.00			23/10/2011	Pentex	

<b>MEASUREMENT INVENTORY</b>				
Measurer				
Date <b>05/05/2007</b>				
Comment				
<b>Id</b>	<b>Item</b>	<b>Weight</b>	<b>Distance</b>	<b>VCG Description</b>
4	Anchor	15.0	8.60	Danworth
4	Chain	13.5	8.60	10m x 8mm
4	Tools	15.0	5.20	
<b>Id</b>	<b>Item</b>	<b>Maker</b>	<b>Model</b>	
1	Engine	YANMAR	3GM	
<b>Id</b>	<b>Item</b>	<b>Weight</b>	<b>Description</b>	
4	Deck-Gear	10.0		

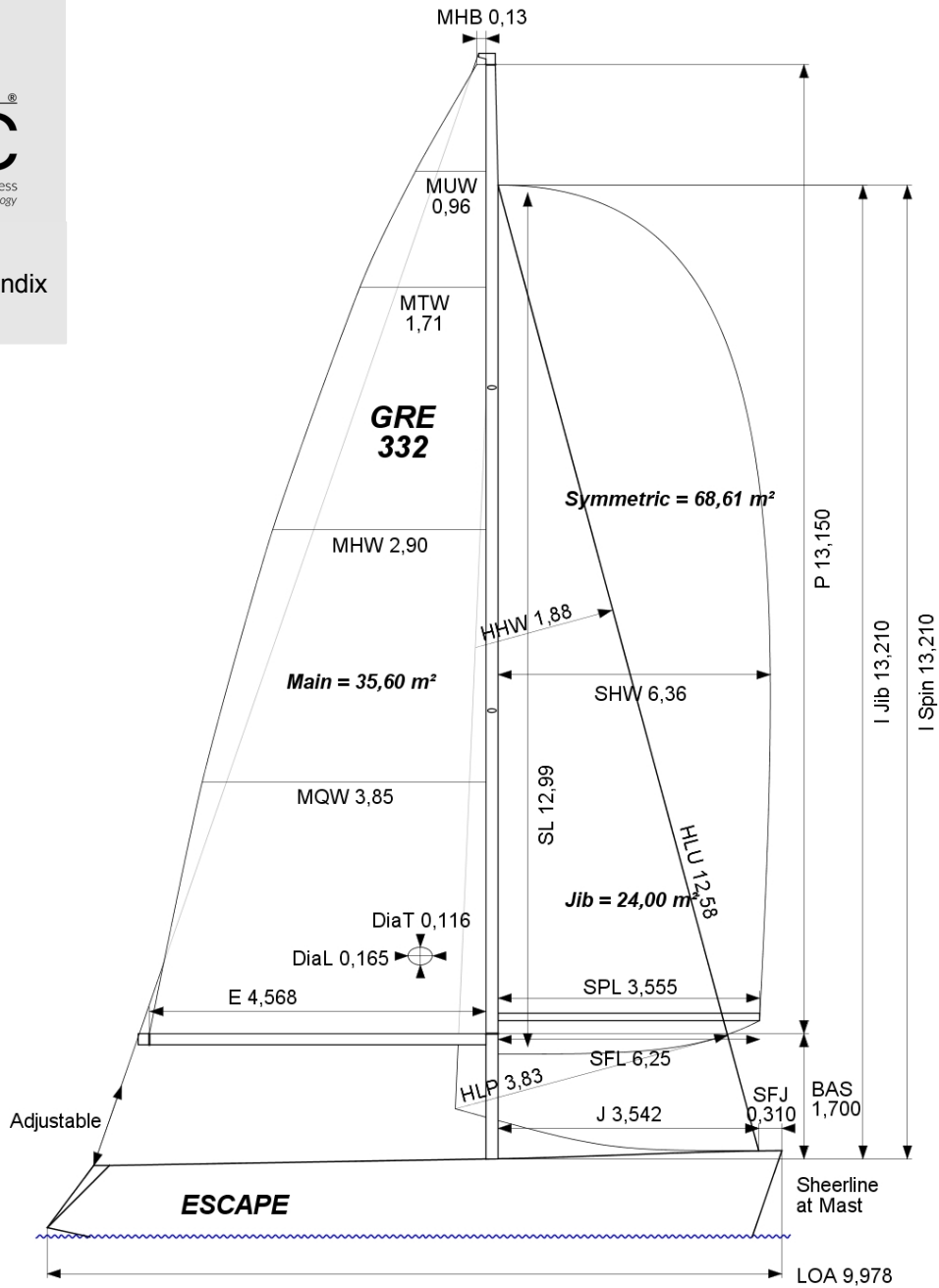
<b>MEASUREMENT INVENTORY</b>								
<b>Id</b>	<b>Item</b>	<b>Tank Use</b>	<b>Tank Type</b>	<b>Capcty</b>	<b>Dist.</b>	<b>VCG</b>	<b>Condtn</b>	<b>Description</b>
1	Tank Fuel		Stainless Steel	50.0	7.50		0-0	
2	Tank Water		PVC Hard	120.0	3.80		0-0	
3	Tank Water		PVC soft (bag)	100.0	3.50		0-0	
<b>Id</b>	<b>Item</b>	<b>Weight</b>	<b>Distance</b>	<b>VCG Description</b>				
1	Battery	59.7	4.60	3 x 74Ah				
1	Misc		8.60	Waterheater 15 lt				



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**SAILS INVENTORY**

**MAINSAIL (2)**

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
W1	0.13	0.96	1.71	2.90	3.85	35.61				Unknown	
M1	0.15	0.92	1.67	2.86	3.80	35.16				Unknown	

**HEADSAILS (1)**

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
J1	0.04	0.50	0.95	1.88	2.86	3.83	12.58	108%	24.00				23/10/2011	Yacht Care	Pentex	

**SYMMETRIC SPINNAKERS (3)**

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
3	12.99	12.99	12.99	6.36	6.25	68.61		18/03/2009	ZOUGANELI	Unknown	
1	12.85	12.85	12.85	6.36	6.25	67.87		11/08/2007		Unknown	
2	11.65	11.65	11.65	6.06	6.11	58.93		11/08/2007		Unknown	

**ASYMMETRIC SPINNAKERS (0)**

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