

<b>BOAT</b> Name <b>X AMORE</b> Sail Nr <b>ITA-17240</b>	<b>GPH</b> <b>597.2</b>	<b>HULL</b> Length Overall <b>12.225m</b> Maximum Beam <b>3.764m</b> Displacement <b>7,520kg</b> Draft <b>2.079m</b> IMS Reg. Division <b>Cruiser/Racer</b> Dynamic Allowance <b>0.138%</b> Fwd Accommodation <b>Yes</b> Hull Construction <b>Cored</b> Carbon Rudder <b>Yes</b> Crew Arm Extension
<b>GENERAL</b> Class <b>X-40</b> Designer <b>JEPPESEN</b> Builder <b>X YACHTS</b> Series <b>01/2004</b> Age <b>02/2007</b> Age Allowance <b>0.487%</b> Offset File <b>X40STDK.OFF - 14/03/2005 11:05:00</b> Measurement by - <b>01/02/2007</b>		IMSL <b>10.935m</b> VCGD <b>0.014m</b> Sink <b>22.86kg/mm</b> RL <b>9.179m</b> VCGM <b>0.018m</b> WS <b>30.26m<sup>2</sup></b> LSM0 <b>10.891m</b> Displacement/Length ratio <b>5.8212</b>



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	<b>580.9</b>			<b>650.3</b>		
Time on Time	<b>1.0328</b>			<b>1.0380</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>684.2</b>	<b>528.7</b>	<b>473.5</b>	<b>885.4</b>	<b>653.1</b>	<b>568.3</b>
Time on Time	<b>0.9866</b>	<b>1.2768</b>	<b>1.4255</b>	<b>0.7624</b>	<b>1.0336</b>	<b>1.1877</b>

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1012.3</b>	<b>836.4</b>	<b>739.0</b>	<b>697.0</b>	<b>681.2</b>	<b>675.6</b>	<b>662.4</b>
52°	<b>659.1</b>	<b>554.5</b>	<b>501.1</b>	<b>480.9</b>	<b>474.0</b>	<b>470.8</b>	<b>465.0</b>
60°	<b>621.1</b>	<b>527.7</b>	<b>485.3</b>	<b>467.9</b>	<b>460.5</b>	<b>456.9</b>	<b>452.8</b>
75°	<b>592.2</b>	<b>508.9</b>	<b>474.3</b>	<b>456.6</b>	<b>444.7</b>	<b>436.8</b>	<b>430.6</b>
90°	<b>598.0</b>	<b>510.1</b>	<b>470.2</b>	<b>454.1</b>	<b>438.8</b>	<b>424.8</b>	<b>404.9</b>
110°	<b>605.1</b>	<b>501.9</b>	<b>461.7</b>	<b>439.3</b>	<b>422.1</b>	<b>410.7</b>	<b>392.8</b>
120°	<b>622.5</b>	<b>512.6</b>	<b>466.6</b>	<b>441.9</b>	<b>419.0</b>	<b>398.1</b>	<b>374.7</b>
135°	<b>689.8</b>	<b>559.4</b>	<b>489.1</b>	<b>458.0</b>	<b>435.3</b>	<b>412.1</b>	<b>368.6</b>
150°	<b>816.6</b>	<b>649.6</b>	<b>549.5</b>	<b>489.3</b>	<b>459.5</b>	<b>438.1</b>	<b>395.5</b>
Run VMG	<b>942.9</b>	<b>750.1</b>	<b>634.3</b>	<b>559.1</b>	<b>508.5</b>	<b>471.6</b>	<b>428.4</b>

**Certificate**  
Number **172401**  
ORC Ref **ITA00052688**  
Issued On **22/05/2019**  
VPP Ver. **2019 1.01**  
Valid until **31/12/2019**

**Crew Weight**  
Default **777kg**  
Maximum **750kg**  
Minimum\* **563kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Double H.GPH	<b>605.6</b>	<b>0.9908</b>
Double H.OSN	<b>590.6</b>	<b>1.0159</b>
Non Spin GPH	<b>629.8</b>	<b>0.9527</b>
Non Spin OSN	<b>612.1</b>	<b>0.9802</b>

Selected Courses							
Windward / Leeward	<b>977.6</b>	<b>793.2</b>	<b>686.7</b>	<b>628.0</b>	<b>594.8</b>	<b>573.6</b>	<b>545.4</b>
Circular Random	<b>821.5</b>	<b>663.5</b>	<b>579.3</b>	<b>530.9</b>	<b>501.5</b>	<b>482.2</b>	<b>457.1</b>
Coastal / Long Distance	<b>974.1</b>	<b>744.6</b>	<b>618.5</b>	<b>548.2</b>	<b>511.5</b>	<b>482.7</b>	<b>436.5</b>
Non Spinnaker	<b>880.8</b>	<b>705.2</b>	<b>610.1</b>	<b>554.4</b>	<b>520.2</b>	<b>497.9</b>	<b>469.8</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>43.2°</b>	<b>41.8°</b>	<b>41.2°</b>	<b>40.3°</b>	<b>39.7°</b>	<b>39.6°</b>	<b>39.9°</b>
Beat VMG	<b>3.56</b>	<b>4.30</b>	<b>4.87</b>	<b>5.17</b>	<b>5.28</b>	<b>5.33</b>	<b>5.44</b>
52°	<b>5.46</b>	<b>6.49</b>	<b>7.18</b>	<b>7.49</b>	<b>7.60</b>	<b>7.65</b>	<b>7.74</b>
60°	<b>5.80</b>	<b>6.82</b>	<b>7.42</b>	<b>7.69</b>	<b>7.82</b>	<b>7.88</b>	<b>7.95</b>
75°	<b>6.08</b>	<b>7.07</b>	<b>7.59</b>	<b>7.88</b>	<b>8.10</b>	<b>8.24</b>	<b>8.36</b>
90°	<b>6.02</b>	<b>7.06</b>	<b>7.66</b>	<b>7.93</b>	<b>8.21</b>	<b>8.48</b>	<b>8.89</b>
110°	<b>5.95</b>	<b>7.17</b>	<b>7.80</b>	<b>8.19</b>	<b>8.53</b>	<b>8.77</b>	<b>9.16</b>
120°	<b>5.78</b>	<b>7.02</b>	<b>7.72</b>	<b>8.15</b>	<b>8.59</b>	<b>9.04</b>	<b>9.61</b>
135°	<b>5.22</b>	<b>6.44</b>	<b>7.36</b>	<b>7.86</b>	<b>8.27</b>	<b>8.73</b>	<b>9.77</b>
150°	<b>4.41</b>	<b>5.54</b>	<b>6.55</b>	<b>7.36</b>	<b>7.83</b>	<b>8.22</b>	<b>9.10</b>
Run VMG	<b>3.82</b>	<b>4.80</b>	<b>5.68</b>	<b>6.44</b>	<b>7.08</b>	<b>7.63</b>	<b>8.40</b>
Gybe Angles	<b>144.4°</b>	<b>148.6°</b>	<b>150.7°</b>	<b>155.8°</b>	<b>170.6°</b>	<b>180.0°</b>	<b>180.0°</b>

**Class Division Length**  
CDL = **10.058**

**Storm Sails Areas**  
Heavy Weather Jib **36.05**  
Storm Jib (JL=10.63) **13.35**  
Storm Trysail **14.74**

**Owner**

<b>BOAT</b>	
Name <b>X AMORE</b>	Sail Nr <b>ITA-17240</b>
File <b>I17240</b>	Data in <b>meters/kilograms</b>

<b>RIG</b>	
Forestay Tension <b>Aft</b>	Spreaders <b>3</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>15.650</b>	E <b>5.380</b> MDT1 <b>0.125</b> MW <b>0.220</b>
IG <b>16.250</b>	J <b>4.400</b> MDL1 <b>0.220</b> GO <b>0.244</b>
ISP <b>17.690</b>	SFJ <b>0.245</b> MDT2 <b>0.115</b> BD <b>0.250</b>
BAS <b>1.815</b>	SPL <b>4.650</b> MDL2 <b>0.195</b> MWT <b>245.00</b>
FSP <b>0.064</b>	TPS <b></b> TL <b>0.800</b> MCG <b>5.570</b>

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Current Inclining</b>			
Flotation date <b>21/05/2019</b>		SG <b>1.0250</b>	
FFM <b>1.474</b>	FF <b>1.473</b>	SFFP <b>0.280</b>	
FAM <b>1.125</b>	FA <b>1.127</b>	SAFP <b>11.610</b>	
W1 <b>93.5</b>	PD1 <b>523.1</b>	WD <b>12.610</b>	
W2 <b>93.5</b>	PD2 <b>519.9</b>	GSA <b>1.0</b>	
W3 <b>93.5</b>	PD3 <b>524.5</b>	RSA <b>1.0</b>	
W4 <b>93.5</b>	PD4 <b>528.7</b>	PLM <b>9000.0</b>	
LCF from stem on CL / on sheer		<b>6.832 / 7.064</b>	
Maximum beam station from stem		<b>8.019</b>	
RM Measured		<b>177.2kg-m</b>	
RM Default		<b>190.0kg-m</b>	
Limit of positive stability / Stab.Index		<b>119.1° / 122.8</b>	
Freeboard at mast at 4.645		<b>1.254</b>	



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

<b>PROPELLER</b>			
Installation <b>Strut</b>	PRD <b>0.460</b>		
Type <b>Folding 2 blades</b>	PBW <b>0.153</b>		
Twin Screw <b>No</b>	PIPA <b>0.0036</b>		
ST1 <b>0.042</b>	ST3 <b>0.180</b>	ST5 <b>0.295</b>	
ST2 <b>0.180</b>	ST4 <b>0.112</b>	EDL <b>2.230</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	
	0.190	1.04	1.90	3.41	4.44	49.03	49.86	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	15.75	15.75	15.75	8.38	7.96	108.89		SL · (SFL + 4·SHW) / 6	
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	0.76	1.40	2.55	3.60	4.55	16.10	39.46	Y		21/05/2019	Unknow	

<b>MEASUREMENT INVENTORY</b>				
Measurer <b>149</b>				
Date <b>21/05/2019</b>				
Comment				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
<i>Id</i>	<i>Item</i>	<i>Maker</i>	<i>Model</i>	
1	Engine	YANMAR	40 HP	
<i>Id</i>	<i>Item</i>	<i>Weight Description</i>		

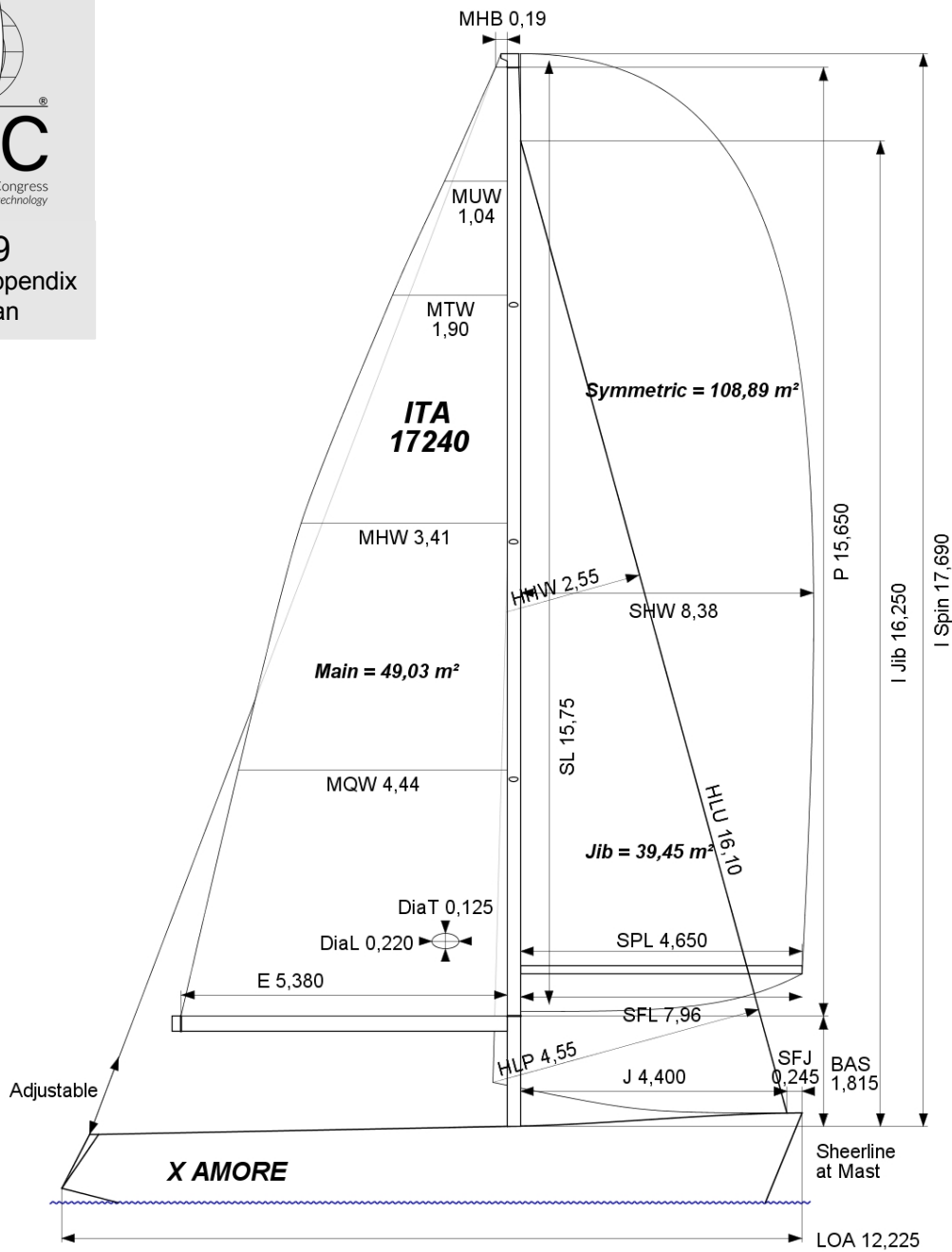
<b>MEASUREMENT INVENTORY</b>								
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn</i>	<i>Description</i>
C	Tank	GASOLIO	INOX	80.0	9.65			15.0 L
B	Tank	ACQUA	PVC	180.0	5.82			0.0 VUOTO
A	Tank	ACQUA	PVC	120.0	2.20			0.0 VUOTO
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>				
B	Battery	19.0	7.98	1 X 80 AH				
A	Battery	40.0	7.76	2 X 100 AH				
B	Misc	15.0	8.10	BOILER				
A	Misc	15.0	7.23	FORNELLO A 2 FUOCHI + FORNO				



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**SAILS INVENTORY**

**MAINSAIL (1)**

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
A	0.19	1.04	1.90	3.41	4.44	49.04		21/05/2019		Unknown	

**HEADSAILS (1)**

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
A	0.10	0.76	1.40	2.55	3.60	4.55	16.10	103%	39.46	Y			21/05/2019		Unknown	

**SYMMETRIC SPINNAKERS (1)**

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
A	15.75	15.75	15.75	8.38	7.96	108.89		21/05/2019		Unknown	

**ASYMMETRIC SPINNAKERS (0)**

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