

<b>BOAT</b> Name <b>COSIXTY 8</b> Sail Nr <b>ITA-12950</b>	<b>GPH</b> <b>613.0</b>	<b>HULL</b> Length Overall <b>11.360m</b> Maximum Beam <b>3.660m</b> Displacement <b>5,395kg</b> Draft <b>2.097m</b> IMS Reg. Division <b>Cruiser/Racer</b> Dynamic Allowance <b>0.181%</b> Fwd Accommodation <b>Yes</b> Hull Construction <b>Cored</b> Carbon Rudder <b>No</b> Crew Arm Extension
<b>GENERAL</b> Class <b>IMX 38</b> Designer <b>JEPPESEN</b> Builder <b>X YACHT</b> Series <b>09/1992</b> Age <b>07/1996</b> Age Allowance <b>0.487%</b> Offset File <b>I12950.off - 22/03/2017 18:25:50</b> Measurement by - <b>12/05/2019</b>		IMSL <b>9.818m</b> VCGD <b>-0.058m</b> Sink <b>19.48kg/mm</b> RL <b>8.969m</b> VCGM <b>0.010m</b> WS <b>26.14m<sup>2</sup></b> LSM0 <b>9.749m</b> Displacement/Length ratio <b>5.8225</b>



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	<b>594.5</b>			<b>663.1</b>		
Time on Time	<b>1.0092</b>			<b>1.0179</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>704.7</b>	<b>542.5</b>	<b>482.2</b>	<b>908.0</b>	<b>665.7</b>	<b>577.7</b>
Time on Time	<b>0.9579</b>	<b>1.2443</b>	<b>1.3997</b>	<b>0.7434</b>	<b>1.0140</b>	<b>1.1684</b>

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1044.7</b>	<b>863.7</b>	<b>757.6</b>	<b>705.1</b>	<b>687.4</b>	<b>680.4</b>	<b>669.2</b>
52°	<b>682.9</b>	<b>575.2</b>	<b>520.2</b>	<b>497.6</b>	<b>488.4</b>	<b>484.4</b>	<b>480.6</b>
60°	<b>645.5</b>	<b>549.0</b>	<b>506.0</b>	<b>486.1</b>	<b>475.1</b>	<b>470.0</b>	<b>466.9</b>
75°	<b>620.1</b>	<b>531.2</b>	<b>495.4</b>	<b>475.5</b>	<b>459.9</b>	<b>448.0</b>	<b>437.9</b>
90°	<b>629.2</b>	<b>527.0</b>	<b>486.3</b>	<b>466.0</b>	<b>454.9</b>	<b>438.5</b>	<b>413.8</b>
110°	<b>622.7</b>	<b>517.4</b>	<b>477.8</b>	<b>452.1</b>	<b>431.0</b>	<b>413.7</b>	<b>392.5</b>
120°	<b>638.7</b>	<b>526.5</b>	<b>482.3</b>	<b>454.2</b>	<b>428.0</b>	<b>406.1</b>	<b>372.9</b>
135°	<b>704.4</b>	<b>570.5</b>	<b>503.0</b>	<b>471.8</b>	<b>444.9</b>	<b>419.2</b>	<b>370.4</b>
150°	<b>830.8</b>	<b>662.0</b>	<b>559.6</b>	<b>502.4</b>	<b>473.5</b>	<b>448.8</b>	<b>402.2</b>
Run VMG	<b>959.3</b>	<b>764.4</b>	<b>646.0</b>	<b>571.7</b>	<b>521.5</b>	<b>486.7</b>	<b>438.9</b>

**Certificate**

Number **129501**  
ORC Ref **ITA00052410**  
Issued On **13/05/2019**  
VPP Ver. **2019 1.01**  
Valid until **31/12/2019**

**Crew Weight**

Default **664kg**  
Maximum **745kg**  
Minimum\* **559kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Double H.GPH	<b>622.7</b>	<b>0.9636</b>
Double H.OSN	<b>606.0</b>	<b>0.9901</b>
Non Spin GPH	<b>652.6</b>	<b>0.9194</b>
Non Spin OSN	<b>632.0</b>	<b>0.9494</b>

Selected Courses							
Windward / Leeward	<b>1002.0</b>	<b>814.1</b>	<b>701.8</b>	<b>638.4</b>	<b>604.5</b>	<b>583.5</b>	<b>554.1</b>
Circular Random	<b>845.6</b>	<b>682.2</b>	<b>594.6</b>	<b>543.8</b>	<b>512.4</b>	<b>491.5</b>	<b>463.9</b>
Coastal / Long Distance	<b>997.7</b>	<b>764.5</b>	<b>634.1</b>	<b>560.3</b>	<b>523.0</b>	<b>493.1</b>	<b>443.7</b>
Non Spinnaker	<b>916.3</b>	<b>732.4</b>	<b>632.0</b>	<b>572.8</b>	<b>536.0</b>	<b>511.8</b>	<b>480.7</b>

**Sails Limitations**

Headsails	Spinnakers
<b>5</b>	<b>3</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>42.6°</b>	<b>41.2°</b>	<b>40.6°</b>	<b>38.9°</b>	<b>38.6°</b>	<b>38.5°</b>	<b>38.3°</b>
Beat VMG	<b>3.45</b>	<b>4.17</b>	<b>4.75</b>	<b>5.11</b>	<b>5.24</b>	<b>5.29</b>	<b>5.38</b>
52°	<b>5.27</b>	<b>6.26</b>	<b>6.92</b>	<b>7.23</b>	<b>7.37</b>	<b>7.43</b>	<b>7.49</b>
60°	<b>5.58</b>	<b>6.56</b>	<b>7.12</b>	<b>7.41</b>	<b>7.58</b>	<b>7.66</b>	<b>7.71</b>
75°	<b>5.81</b>	<b>6.78</b>	<b>7.27</b>	<b>7.57</b>	<b>7.83</b>	<b>8.04</b>	<b>8.22</b>
90°	<b>5.72</b>	<b>6.83</b>	<b>7.40</b>	<b>7.72</b>	<b>7.91</b>	<b>8.21</b>	<b>8.70</b>
110°	<b>5.78</b>	<b>6.96</b>	<b>7.53</b>	<b>7.96</b>	<b>8.35</b>	<b>8.70</b>	<b>9.17</b>
120°	<b>5.64</b>	<b>6.84</b>	<b>7.46</b>	<b>7.93</b>	<b>8.41</b>	<b>8.86</b>	<b>9.65</b>
135°	<b>5.11</b>	<b>6.31</b>	<b>7.16</b>	<b>7.63</b>	<b>8.09</b>	<b>8.59</b>	<b>9.72</b>
150°	<b>4.33</b>	<b>5.44</b>	<b>6.43</b>	<b>7.17</b>	<b>7.60</b>	<b>8.02</b>	<b>8.95</b>
Run VMG	<b>3.75</b>	<b>4.71</b>	<b>5.57</b>	<b>6.30</b>	<b>6.90</b>	<b>7.40</b>	<b>8.20</b>
Gybe Angles	<b>144.8°</b>	<b>148.6°</b>	<b>150.2°</b>	<b>156.8°</b>	<b>173.9°</b>	<b>180.0°</b>	<b>180.0°</b>

**Class Division Length**

CDL = **9.394**

**Storm Sails Areas**

Heavy Weather Jib **32.63**  
Storm Jib (JL=10.11) **12.09**  
Storm Trysail **10.91**

**Owner**

<b>BOAT</b>	
Name <b>COSIXTY 8</b>	Sail Nr <b>ITA-12950</b>
File <b>I12950</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>13.150</b>	E <b>4.740</b> MDT1 <b>0.116</b> MW <b>0.145</b>
IG <b>15.350</b>	J <b>4.370</b> MDL1 <b>0.200</b> GO <b>0.200</b>
ISP <b>15.480</b>	SFJ <b>0.245</b> MDT2 <b>0.116</b> BD <b>0.210</b>
BAS <b>1.850</b>	SPL <b>4.700</b> MDL2 <b>0.178</b> MWT <b>189.20</b>
FSP <b>0.074</b>	TPS <b>4.615</b> TL <b>1.650</b> MCG <b>5.360</b>

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Current Inclining</b>			
Flotation date <b>02/05/2019</b>		SG <b>1.0250</b>	
FFM <b>1.215</b>	FF <b>1.215</b>	SFFP <b>1.098</b>	
FAM <b>0.966</b>	FA <b>0.967</b>	SAFP <b>10.595</b>	
W1 <b>77.1</b>	PD1 <b>519.3</b>	WD <b>11.740</b>	
W2 <b>77.1</b>	PD2 <b>517.4</b>	GSA <b>1.0</b>	
W3 <b>77.1</b>	PD3 <b>518.3</b>	RSA <b>1.0</b>	
W4 <b>77.1</b>	PD4 <b>519.3</b>	PLM <b>9000.0</b>	
LCF from stem on CL / on sheer		<b>6.212 / 6.458</b>	
Maximum beam station from stem		<b>6.705</b>	
RM Measured		<b>137.5kg-m</b>	
RM Default		<b>130.8kg-m</b>	
Limit of positive stability / Stab.Index		<b>114.7° / 113.9</b>	
Freeboard at mast at 4.615		<b>1.093</b>	



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

<b>PROPELLER</b>			
Installation <b>Strut</b>	PRD <b>0.405</b>		
Type <b>Folding 2 blades</b>	PBW <b>0.110</b>		
Twin Screw <b>No</b>	PIPA <b>0.0035</b>		
ST1 <b>0.050</b>	ST3 <b>0.180</b>	ST5 <b>0.275</b>	
ST2 <b>0.180</b>	ST4 <b>0.112</b>	EDL <b>1.550</b>	

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<b>COMMENTS</b>	

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

<b>CENTERBOARD</b>	
N/A	

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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>	
	0.190	1.03	1.82	3.06	3.98	37.27	38.10	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>				
	15.55	15.55	15.55	8.44	8.27	108.93		SL · (SFL + 4·SHW) / 6	
<b>Asymmetric</b>	<b>SLU</b>	<b>SLE</b>	<b>SL</b>	<b>SHW</b>	<b>SFL</b>				
	15.50	14.55	15.03	5.33	7.10	71.17		AS · (SFL + 4·SHW) / 6	

<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>
0.11	0.69	1.31	2.36	3.34	4.27	15.13	34.52	N	N	25/07/2016	Unknow	
0.12	0.69	1.28	2.32	3.29	4.27	15.13	34.15	N	N	22/07/2016	Unknow	

<b>MEASUREMENT INVENTORY</b>				
Measurer <b>149</b>				
Date <b>02/05/2019</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>	
A	Engine	YHANMAR	37M50C	
<b>Id</b>	<b>Item</b>	<b>Weight Description</b>		

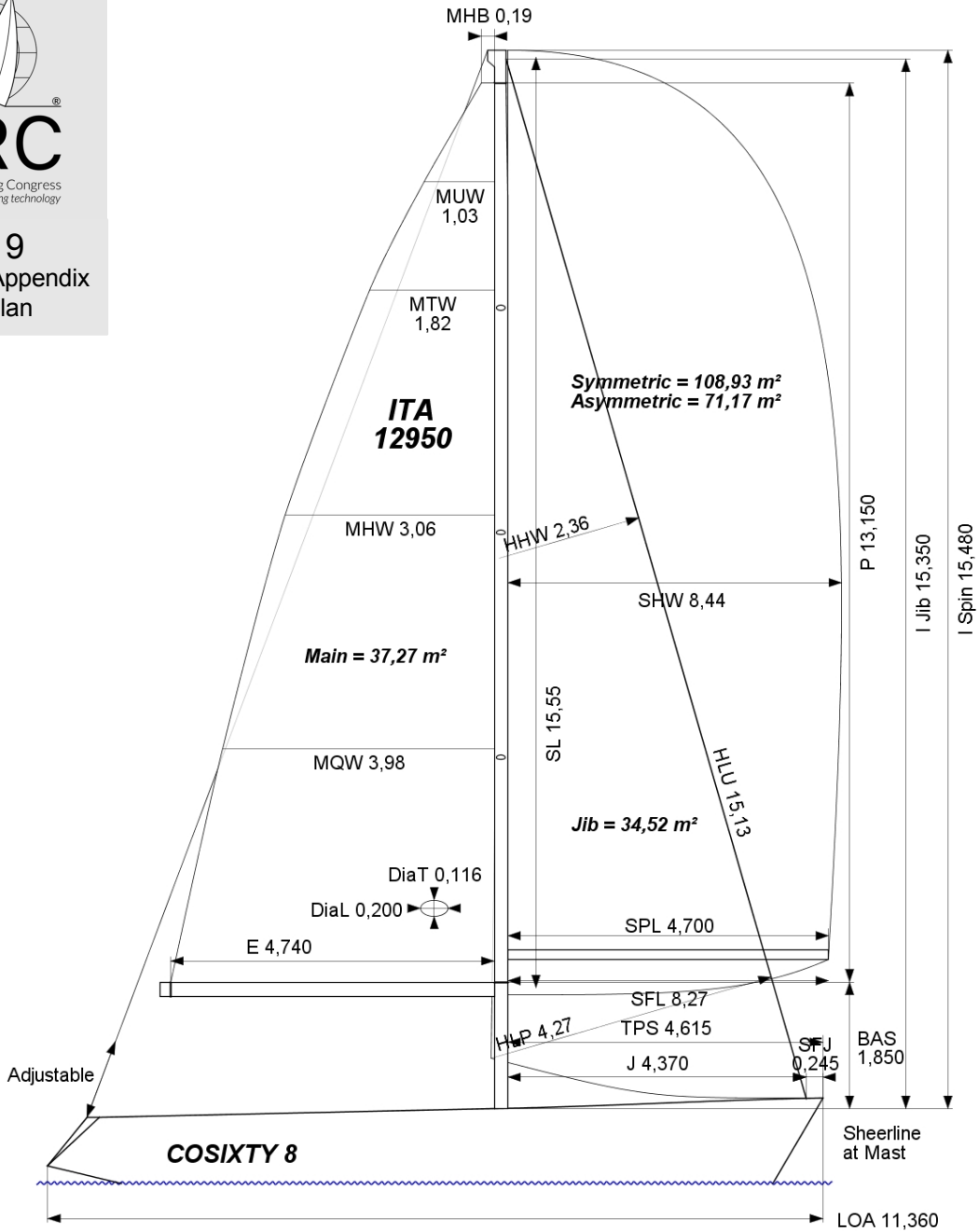
<b>MEASUREMENT INVENTORY</b>								
<b>Id</b>	<b>Item</b>	<b>Tank Use</b>	<b>Tank Type</b>	<b>Capcty</b>	<b>Dist.</b>	<b>VCG</b>	<b>Condtn</b>	<b>Description</b>
B	Tank	GASOLIO	INOX	60.0	6.60	0.00	40.0	L
A	Tank	ACQUA	PVC	150.0	6.40	0.00	0.0	VUOTO
<b>Id</b>	<b>Item</b>	<b>Weight</b>	<b>Distance</b>	<b>VCG Description</b>				
B	Ballast	90.0	5.67	0.00 9 PANI DI PB				
A	Ballast	40.0	3.77	0.00 4 PANI DI PB				
A	Battery	60.0	6.90	0.00 3 x 80 A				



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**SAILS INVENTORY**

**MAINSAIL (1)**

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
C	0.19	1.03	1.82	3.06	3.98	37.28		21/03/2017		Unknown	

**HEADSAILS (2)**

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovr/tp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
C	0.11	0.69	1.31	2.36	3.34	4.27	15.13	98%	34.52	N	N		25/07/2016		Unknown	
D	0.12	0.69	1.28	2.32	3.29	4.27	15.13	98%	34.15	N	N		22/07/2016		Unknown	

**SYMMETRIC SPINNAKERS (1)**

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
E	15.55	15.55	15.55	8.44	8.27	108.93		08/06/2017		Unknown	

**ASYMMETRIC SPINNAKERS (1)**

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
A	15.50	14.55	15.03	5.33	7.10	71.17	asym		10/05/2019		Unknown	