

<b>BOAT</b> Name <b>FURIETTA</b> Sail Nr <b>EUR-36009</b>	<b>GPH</b> <b>561.5</b>	<b>HULL</b> Length Overall <b>10.970m</b> Maximum Beam <b>3.622m</b> Displacement <b>3,998kg</b> Draft <b>2.332m</b> IMS Reg. Division <b>Performance</b> Dynamic Allowance <b>0.000%</b> Fwd Accommodation <b>No</b> Hull Construction <b>Light</b> Carbon Rudder <b>Yes</b> Crew Arm Extension
<b>GENERAL</b> Class <b>SOLARIS 36 OD</b> Designer <b>LOSTUZZI</b> Builder <b>SE.RI.GI.</b> Series <b>10/2002</b> Age <b>04/2003</b> Age Allowance <b>0.487%</b> Offset File <b>SOL36ODN.off - 19/05/2017 16:07:18</b> Measurement by - <b>13/05/2019</b>		IMSL <b>10.331m</b> VCGD <b>-0.096m</b> Sink <b>18.35kg/mm</b> RL <b>10.002m</b> VCGM <b>-0.090m</b> WS <b>24.23m<sup>2</sup></b> LSM0 <b>10.157m</b> Displacement/Length ratio <b>3.8155</b>



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<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>547.6</b>			<b>615.4</b>		
Time on Time	<b>1.0957</b>			<b>1.0969</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>626.3</b>	<b>503.4</b>	<b>449.6</b>	<b>803.4</b>	<b>618.9</b>	<b>546.0</b>
Time on Time	<b>1.0778</b>	<b>1.3410</b>	<b>1.5014</b>	<b>0.8402</b>	<b>1.0906</b>	<b>1.2363</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>915.4</b>	<b>753.7</b>	<b>689.6</b>	<b>667.7</b>	<b>657.9</b>	<b>642.4</b>	<b>642.3</b>
52°	<b>603.1</b>	<b>511.9</b>	<b>485.5</b>	<b>477.0</b>	<b>472.8</b>	<b>467.8</b>	<b>461.7</b>
60°	<b>571.0</b>	<b>496.4</b>	<b>472.9</b>	<b>463.4</b>	<b>458.2</b>	<b>454.7</b>	<b>443.1</b>
75°	<b>546.0</b>	<b>486.3</b>	<b>460.5</b>	<b>442.0</b>	<b>431.7</b>	<b>425.7</b>	<b>414.6</b>
90°	<b>552.0</b>	<b>487.4</b>	<b>460.0</b>	<b>434.5</b>	<b>412.8</b>	<b>398.2</b>	<b>386.0</b>
110°	<b>549.4</b>	<b>475.8</b>	<b>444.4</b>	<b>424.8</b>	<b>407.4</b>	<b>391.0</b>	<b>357.0</b>
120°	<b>562.8</b>	<b>479.8</b>	<b>442.4</b>	<b>409.4</b>	<b>388.4</b>	<b>373.0</b>	<b>340.3</b>
135°	<b>626.6</b>	<b>507.9</b>	<b>463.0</b>	<b>426.3</b>	<b>389.3</b>	<b>352.7</b>	<b>301.9</b>
150°	<b>744.1</b>	<b>593.5</b>	<b>507.2</b>	<b>466.2</b>	<b>437.8</b>	<b>405.4</b>	<b>332.1</b>
Run VMG	<b>859.2</b>	<b>685.3</b>	<b>585.9</b>	<b>538.1</b>	<b>505.6</b>	<b>468.1</b>	<b>383.4</b>

**Certificate**  
Number **360091**  
ORC Ref **ITA00052993**  
Issued On **02/06/2019**  
VPP Ver. **2019 1.01**  
Valid until **31/12/2019**

**Crew Weight**  
Default **704kg**  
Maximum **680kg**  
Minimum\* **510kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**  
ToD ToT  
Double H.GPH **577.3 1.0393**  
Double H.OSN **566.6 1.0590**  
Non Spin GPH **602.1 0.9965**  
Non Spin OSN **587.7 1.0209**

<b>Selected Courses</b>							
Windward / Leeward	<b>887.3</b>	<b>719.5</b>	<b>637.8</b>	<b>602.9</b>	<b>581.8</b>	<b>555.3</b>	<b>512.9</b>
Circular Random	<b>758.9</b>	<b>619.0</b>	<b>545.9</b>	<b>504.1</b>	<b>477.2</b>	<b>457.5</b>	<b>427.2</b>
Coastal / Long Distance	<b>884.5</b>	<b>678.5</b>	<b>579.3</b>	<b>525.3</b>	<b>493.1</b>	<b>461.4</b>	<b>408.8</b>
Non Spinnaker	<b>833.1</b>	<b>671.2</b>	<b>584.1</b>	<b>533.0</b>	<b>500.6</b>	<b>478.4</b>	<b>448.9</b>

**Sails Limitations**  
Headsails **6** Spinnakers **4**

<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>42.5°</b>	<b>40.7°</b>	<b>38.5°</b>	<b>37.3°</b>	<b>37.2°</b>	<b>36.7°</b>	<b>37.4°</b>
Beat VMG	<b>3.93</b>	<b>4.78</b>	<b>5.22</b>	<b>5.39</b>	<b>5.47</b>	<b>5.60</b>	<b>5.60</b>
52°	<b>5.97</b>	<b>7.03</b>	<b>7.41</b>	<b>7.55</b>	<b>7.61</b>	<b>7.70</b>	<b>7.80</b>
60°	<b>6.30</b>	<b>7.25</b>	<b>7.61</b>	<b>7.77</b>	<b>7.86</b>	<b>7.92</b>	<b>8.12</b>
75°	<b>6.59</b>	<b>7.40</b>	<b>7.82</b>	<b>8.14</b>	<b>8.34</b>	<b>8.46</b>	<b>8.68</b>
90°	<b>6.52</b>	<b>7.39</b>	<b>7.83</b>	<b>8.29</b>	<b>8.72</b>	<b>9.04</b>	<b>9.33</b>
110°	<b>6.55</b>	<b>7.57</b>	<b>8.10</b>	<b>8.48</b>	<b>8.84</b>	<b>9.21</b>	<b>10.08</b>
120°	<b>6.40</b>	<b>7.50</b>	<b>8.14</b>	<b>8.79</b>	<b>9.27</b>	<b>9.65</b>	<b>10.58</b>
135°	<b>5.75</b>	<b>7.09</b>	<b>7.77</b>	<b>8.45</b>	<b>9.25</b>	<b>10.21</b>	<b>11.92</b>
150°	<b>4.84</b>	<b>6.07</b>	<b>7.10</b>	<b>7.72</b>	<b>8.22</b>	<b>8.88</b>	<b>10.84</b>
Run VMG	<b>4.19</b>	<b>5.25</b>	<b>6.14</b>	<b>6.69</b>	<b>7.12</b>	<b>7.69</b>	<b>9.39</b>
Gybe Angles	<b>143.3°</b>	<b>145.0°</b>	<b>150.3°</b>	<b>151.8°</b>	<b>148.3°</b>	<b>145.8°</b>	<b>142.9°</b>

**Class Division Length**  
CDL = **10.167**

**Storm Sails Areas**  
Heavy Weather Jib **32.54**  
Storm Jib (JL=10.10) **12.06**  
Storm Trysail **13.03**

**Owner**

<b>BOAT</b>	
Name <b>FURIETTA</b> File <b>EUR36009</b>	Sail Nr <b>EUR-36009</b> Data in <b>meters/kilograms</b>

<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>Yes</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>15.100</b>	E <b>4.930</b> MDT1 <b>0.108</b> MW <b>0.198</b>
IG <b>15.525</b>	J <b>4.270</b> MDL1 <b>0.205</b> GO <b>0.198</b>
ISP <b>16.670</b>	SFJ <b>0.215</b> MDT2 <b>0.108</b> BD <b>0.248</b>
BAS <b>1.430</b>	SPL <b>0.000</b> MDL2 <b>0.168</b> MWT
FSP <b>0.072</b>	TPS <b>6.510</b> TL <b>1.109</b> MCG

<b>INCLINING TEST AND FREEBOARDS</b>		
Inclining Test <b>Current Inclining</b>		
Flotation date <b>05/05/2017</b>		SG <b>0.9980</b>
FFM <b>1.270</b>	FF <b>1.270</b>	SFFP <b>0.150</b>
FAM <b>0.993</b>	FA <b>1.008</b>	SAFP <b>10.645</b>
W1 <b>71.1</b>	PD1 <b>519.3</b>	WD <b>10.570</b>
W2 <b>71.1</b>	PD2 <b>519.8</b>	GSA <b>1.0</b>
W3 <b>71.1</b>	PD3 <b>518.0</b>	RSA <b>1.0</b>
W4 <b>71.1</b>	PD4 <b>519.5</b>	PLM <b>9000.0</b>
LCF from stem on CL / on sheer		<b>6.189 / 6.419</b>
Maximum beam station from stem		<b>7.396</b>
RM Measured		<b>114.0kg-m</b>
RM Default		<b>116.0kg-m</b>
Limit of positive stability / Stab.Index		<b>120.5° / 116.1</b>
Freeboard at mast at 4.485		<b>1.119</b>



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

<b>PROPELLER</b>		
Installation <b>Strut</b>	PRD <b>0.410</b>	
Type <b>Folding 2 blades</b>	PBW <b>0.110</b>	
Twin Screw <b>No</b>	PIPA <b>0.0026</b>	
ST1 <b>0.042</b>	ST3 <b>0.135</b>	ST5 <b>0.295</b>
ST2 <b>0.135</b>	ST4 <b>0.088</b>	EDL <b>1.105</b>

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<b>COMMENTS</b>	

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

<b>CENTERBOARD</b>	
N/A	



**COPY ONLY**  
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<b>SAILS (Maximum Areas)</b>									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.460	1.18	1.92	3.15	4.11	44.81	45.61	P/8 · (E + 2·MQW+ 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric Not Available									
Asymmetric on centerline	SLU	SLE	SL	SHW	SFL	Area	Formula		
	18.31	15.51	16.91	9.74	9.54	136.69	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>
0.14	0.70	1.26	2.36	3.45	4.52	15.27	35.75	Y	N	13/05/2019	Unknow	
0.00	0.00	0.00	0.00	0.00	4.28	15.01	32.70	Y	N	05/05/2017	Carbon	
0.00	0.00	0.00	0.00	0.00	3.80	14.94	28.90	Y	N	05/05/2017	Carbon	

<b>MEASUREMENT INVENTORY</b>				
Measurer <b>FIV 174</b>				
Date <b>05/05/2017</b>				
Comment <b>MONFALCONE</b>				
<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>	
A	Engine	LOMBARDINI	LDW 1003	
<i>Id</i>	<i>Item</i>	<i>Weight Description</i>		

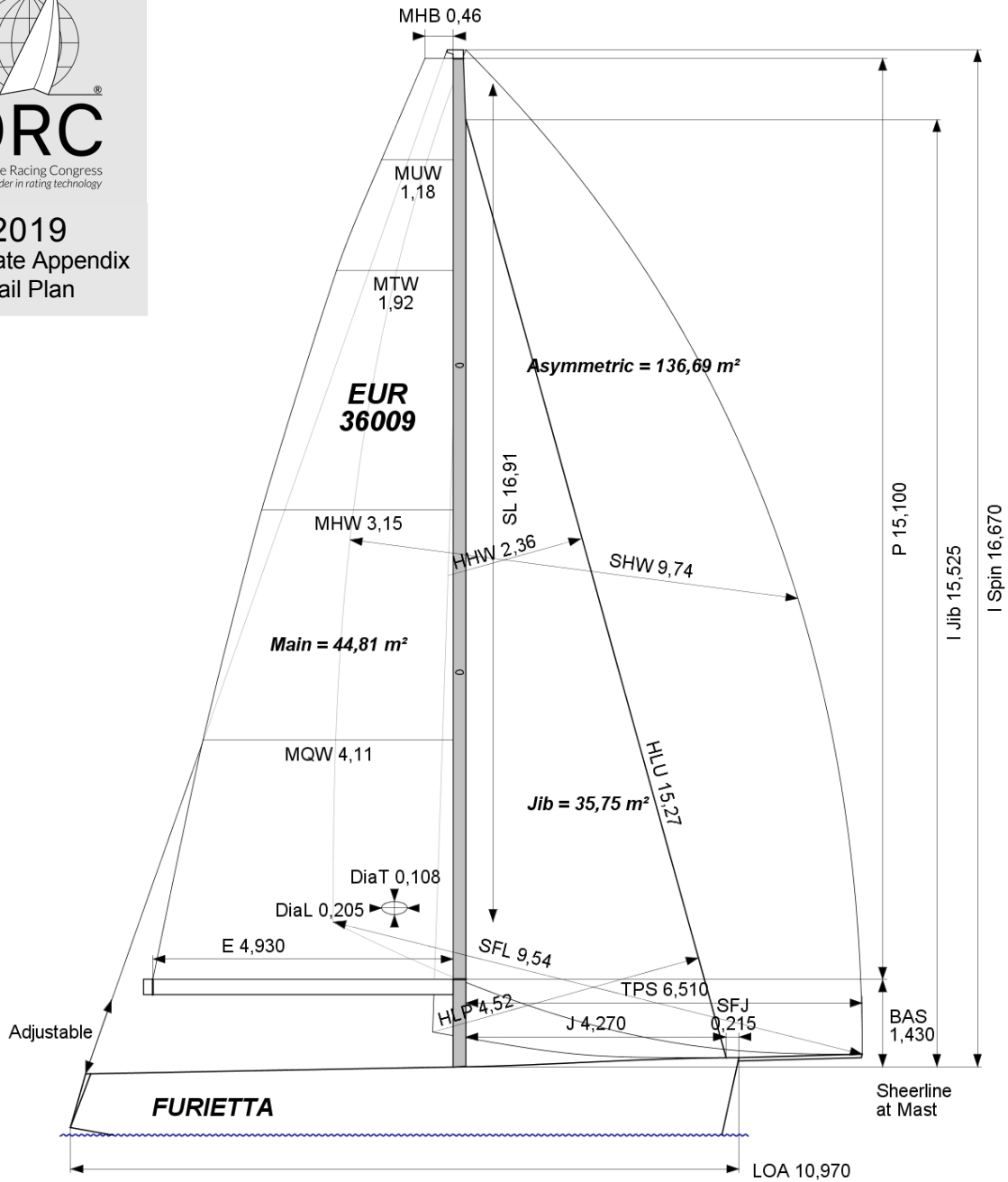
<b>MEASUREMENT INVENTORY</b>								
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn</i>	<i>Description</i>
A	Tank	WATER	PVC	75.0	5.19	0.00	0-0	EMPTY - SX
B	Tank	WATER	PVC	75.0	5.19	0.00	0-0	EMPTY - DX
C	Tank	FUEL	PVC	55.0	9.79	0.00	55-0	L
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>				
A	Battery	0.0	7.39	0.00 74 Ah - SX				
B	Battery	0.0	7.39	0.00 100 Ah - SX				



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Certificate Appendix  
Sail Plan



SAILS INVENTORY																
MAINSAIL (2)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
A	0.46	1.18	1.92	3.15	4.11	44.81		18/03/2019	H	Technora	RM-5/5/17					
B	0.41	1.21	1.94	3.03	4.00	44.01		16/05/2017	ULLMAN	Carbon						
HEADSAILS (3)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
D	0.14	0.70	1.26	2.36	3.45	4.52	15.27	106%	35.75	Y	N		13/05/2019	H	Unknow	
B	0.00	0.00	0.00	0.00	0.00	4.28	15.01	100%	32.70	Y	N		05/05/2017	ULLMAN	Carbon	
C	0.00	0.00	0.00	0.00	0.00	3.80	14.94	89%	28.90	Y	N		05/05/2017	ULLMAN	Carbon	
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ASYMMETRIC SPINNAKERS (5)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
D	18.31	15.51	16.91	9.74	9.54	136.69	asym		23/04/2018	H	Nylon					
A	18.10	15.03	16.57	9.10	8.87	124.99	asym		05/05/2017	NORTH	Nylon	A 1,5				
B	17.63	14.73	16.18	8.62	8.85	116.85	asym		05/05/2017	NORTH	Nylon					
C	18.34	14.85	16.59	8.14	8.52	113.63	asym		05/05/2017	ULLMAN	Nylon					
E	17.10	15.14	16.12	5.98	7.95	85.63	asym		23/04/2018	QUANTUM	Kevlar					