

<b>BOAT</b> Name <b>LADY DAY 998</b> Sail Nr <b>ITA-98189</b>	<b>GPH</b> <b>617.3</b>	<b>HULL</b> Length Overall <b>10.300m</b> Maximum Beam <b>3.536m</b> Displacement <b>4,441kg</b> Draft <b>1.893m</b> IMS Reg. Division <b>Cruiser/Racer</b> Dynamic Allowance <b>0.049%</b> Fwd Accommodation <b>Yes</b> Hull Construction <b>Cored</b> Carbon Rudder <b>No</b> Crew Arm Extension
<b>GENERAL</b> Class <b>ITALIA 9.98 F</b> Designer <b>POLLI</b> Builder <b>ITALIA YACHTS</b> Series <b>09/2014</b> Age <b>05/2016</b> Age Allowance <b>0.163%</b> Offset File <b>IY998MP.off - 04/11/2015 14:00:04</b> Measurement by - <b>21/05/2019</b>		IMSL <b>9.359m</b> VCGD <b>0.098m</b> Sink <b>17.56kg/mm</b> RL <b>8.409m</b> VCGM <b>0.102m</b> WS <b>23.27m<sup>2</sup></b> LSM0 <b>9.068m</b> Displacement/Length ratio <b>5.9559</b>



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	<b>601.0</b>			<b>674.3</b>		
Time on Time	<b>0.9984</b>			<b>1.0011</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>704.5</b>	<b>547.4</b>	<b>489.3</b>	<b>911.4</b>	<b>675.3</b>	<b>593.4</b>
Time on Time	<b>0.9581</b>	<b>1.2330</b>	<b>1.3795</b>	<b>0.7406</b>	<b>0.9996</b>	<b>1.1376</b>

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1052.1</b>	<b>869.3</b>	<b>768.5</b>	<b>728.2</b>	<b>713.9</b>	<b>710.1</b>	<b>703.0</b>
52°	<b>682.6</b>	<b>575.0</b>	<b>523.9</b>	<b>503.5</b>	<b>496.7</b>	<b>494.0</b>	<b>489.4</b>
60°	<b>641.5</b>	<b>548.3</b>	<b>508.7</b>	<b>490.1</b>	<b>481.5</b>	<b>477.5</b>	<b>473.5</b>
75°	<b>612.1</b>	<b>529.8</b>	<b>497.6</b>	<b>477.4</b>	<b>461.1</b>	<b>451.0</b>	<b>444.3</b>
90°	<b>619.5</b>	<b>523.8</b>	<b>487.2</b>	<b>469.8</b>	<b>454.2</b>	<b>436.2</b>	<b>413.6</b>
110°	<b>615.5</b>	<b>516.4</b>	<b>479.3</b>	<b>450.2</b>	<b>425.6</b>	<b>411.5</b>	<b>388.9</b>
120°	<b>633.9</b>	<b>526.3</b>	<b>485.1</b>	<b>455.1</b>	<b>426.6</b>	<b>400.8</b>	<b>365.2</b>
135°	<b>704.9</b>	<b>571.1</b>	<b>506.6</b>	<b>475.2</b>	<b>446.5</b>	<b>419.6</b>	<b>365.1</b>
150°	<b>831.9</b>	<b>661.5</b>	<b>560.1</b>	<b>505.6</b>	<b>476.5</b>	<b>450.0</b>	<b>400.8</b>
Run VMG	<b>960.6</b>	<b>763.9</b>	<b>646.0</b>	<b>573.4</b>	<b>522.4</b>	<b>488.8</b>	<b>438.6</b>

**Certificate**  
Number **981891**  
ORC Ref **ITA00052728**  
Issued On **23/05/2019**  
VPP Ver. **2019 1.01**  
Valid until **31/12/2019**

**Crew Weight**  
Default **599kg**  
Maximum **675kg**  
Minimum\* **506kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**  
ToD ToT  
Double H.GPH **629.3 0.9535**  
Double H.OSN **614.4 0.9765**  
Non Spin GPH **652.9 0.9190**  
Non Spin OSN **634.4 0.9457**

Selected Courses							
Windward / Leeward	<b>1006.3</b>	<b>816.6</b>	<b>707.2</b>	<b>650.8</b>	<b>618.2</b>	<b>599.4</b>	<b>570.8</b>
Circular Random	<b>847.4</b>	<b>685.3</b>	<b>599.0</b>	<b>549.3</b>	<b>518.8</b>	<b>498.5</b>	<b>471.0</b>
Coastal / Long Distance	<b>1001.8</b>	<b>766.3</b>	<b>638.6</b>	<b>569.1</b>	<b>530.9</b>	<b>499.5</b>	<b>446.7</b>
Non Spinnaker	<b>910.6</b>	<b>730.1</b>	<b>632.5</b>	<b>575.6</b>	<b>540.6</b>	<b>517.8</b>	<b>488.5</b>

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

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>43.4°</b>	<b>42.1°</b>	<b>41.0°</b>	<b>39.9°</b>	<b>40.2°</b>	<b>40.3°</b>	<b>40.6°</b>
Beat VMG	<b>3.42</b>	<b>4.14</b>	<b>4.68</b>	<b>4.94</b>	<b>5.04</b>	<b>5.07</b>	<b>5.12</b>
52°	<b>5.27</b>	<b>6.26</b>	<b>6.87</b>	<b>7.15</b>	<b>7.25</b>	<b>7.29</b>	<b>7.36</b>
60°	<b>5.61</b>	<b>6.57</b>	<b>7.08</b>	<b>7.35</b>	<b>7.48</b>	<b>7.54</b>	<b>7.60</b>
75°	<b>5.88</b>	<b>6.80</b>	<b>7.23</b>	<b>7.54</b>	<b>7.81</b>	<b>7.98</b>	<b>8.10</b>
90°	<b>5.81</b>	<b>6.87</b>	<b>7.39</b>	<b>7.66</b>	<b>7.93</b>	<b>8.25</b>	<b>8.70</b>
110°	<b>5.85</b>	<b>6.97</b>	<b>7.51</b>	<b>8.00</b>	<b>8.46</b>	<b>8.75</b>	<b>9.26</b>
120°	<b>5.68</b>	<b>6.84</b>	<b>7.42</b>	<b>7.91</b>	<b>8.44</b>	<b>8.98</b>	<b>9.86</b>
135°	<b>5.11</b>	<b>6.30</b>	<b>7.11</b>	<b>7.58</b>	<b>8.06</b>	<b>8.58</b>	<b>9.86</b>
150°	<b>4.33</b>	<b>5.44</b>	<b>6.43</b>	<b>7.12</b>	<b>7.55</b>	<b>8.00</b>	<b>8.98</b>
Run VMG	<b>3.75</b>	<b>4.71</b>	<b>5.57</b>	<b>6.28</b>	<b>6.89</b>	<b>7.37</b>	<b>8.21</b>
Gybe Angles	<b>144.8°</b>	<b>148.5°</b>	<b>151.2°</b>	<b>157.9°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>

**Class Division Length**  
CDL = **8.885**

**Storm Sails Areas**  
Heavy Weather Jib **25.63**  
Storm Jib (JL=8.96) **9.50**  
Storm Trysail **11.00**

**Owner**

<b>BOAT</b>		
Name <b>LADY DAY 998</b>	Sail Nr <b>ITA-98189</b>	
File <b>I98189</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>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>13.100</b>	E <b>4.795</b>	MDT1 <b>0.125</b>	MW <b>0.185</b>	
IG <b>13.729</b>	J <b>4.200</b>	MDL1 <b>0.185</b>	GO <b>0.200</b>	
ISP <b>14.800</b>	SFJ <b>0.105</b>	MDT2 <b>0.125</b>	BD <b>0.230</b>	
BAS <b>1.514</b>	SPL <b>4.180</b>	MDL2 <b>0.155</b>	MWT <b>143.00</b>	
FSP <b>0.076</b>	TPS <b>5.500</b>	TL <b>0.800</b>	MCG <b>4.960</b>	

<b>INCLINING TEST AND FREEBOARDS</b>				
Inclining Test <b>Current Inclining</b>				
Flotation date <b>16/04/2019</b>			SG <b>1.0100</b>	
FFM <b>1.264</b>	FF <b>1.268</b>	SFFP <b>0.000</b>		
FAM <b>0.631</b>	FA <b>0.636</b>	SAFP <b>10.300</b>		
W1 <b>59.7</b>	PD1 <b>608.2</b>	WD <b>13.380</b>		
W2 <b>59.7</b>	PD2 <b>610.8</b>	GSA <b>1.0</b>		
W3 <b>59.7</b>	PD3 <b>611.7</b>	RSA <b>1.0</b>		
W4 <b>59.7</b>	PD4 <b>606.9</b>	PLM <b>9000.0</b>		
LCF from stem on CL / on sheer			<b>5.595 / 5.823</b>	
Maximum beam station from stem			<b>7.304</b>	
RM Measured			<b>103.2kg-m</b>	
RM Default			<b>112.6kg-m</b>	
Limit of positive stability / Stab.Index			<b>117.5° / 114.1</b>	
Freeboard at mast at 4.305			<b>1.230</b>	



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

<b>PROPELLER</b>				
Installation <b>Strut</b>		PRD <b>0.380</b>		
Type <b>Folding 2 blades</b>		PBW <b>0.120</b>		
Twin Screw <b>No</b>		PIPA <b>0.0039</b>		
ST1 <b>0.065</b>	ST3 <b>0.180</b>	ST5 <b>0.350</b>		
ST2 <b>0.180</b>	ST4 <b>0.110</b>	EDL <b>1.000</b>		

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<b>COMMENTS</b>				

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

<b>CENTERBOARD</b>				
N/A				



<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>	
	0.340	1.07	1.78	2.97	3.94	36.88	37.62	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>				
	14.48	14.48	14.48	7.69	7.49	92.31		SL · (SFL + 4·SHW) / 6	
<b>Asymmetric</b>	<b>SLU</b>	<b>SLE</b>	<b>SL</b>	<b>SHW</b>	<b>SFL</b>				
	15.00	13.61	14.30	5.25	6.96	66.66		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>
0.12	0.79	1.41	2.47	3.43	4.43	13.62	32.43	Y	N	16/04/2019	Unknow	JL
0.11	0.75	1.38	2.44	3.37	4.45	13.70	32.25	N	N	26/06/2017	Unknow	
0.10	0.75	1.38	2.43	3.35	4.45	13.69	32.13	N	N	15/05/2019	Twaron	J1.5
0.10	0.75	1.38	2.43	3.34	4.42	13.71	32.08	N	N	15/05/2019	Unknow	J2

<b>MEASUREMENT INVENTORY</b>				
Measurer <b>FIV-174</b>				
Date <b>16/04/2019</b>				
Comment <b>MARINA HANNIBAL</b>				
<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	VOLVO	20 HP	
<b>Id</b>	<b>Item</b>	<b>Weight Description</b>		

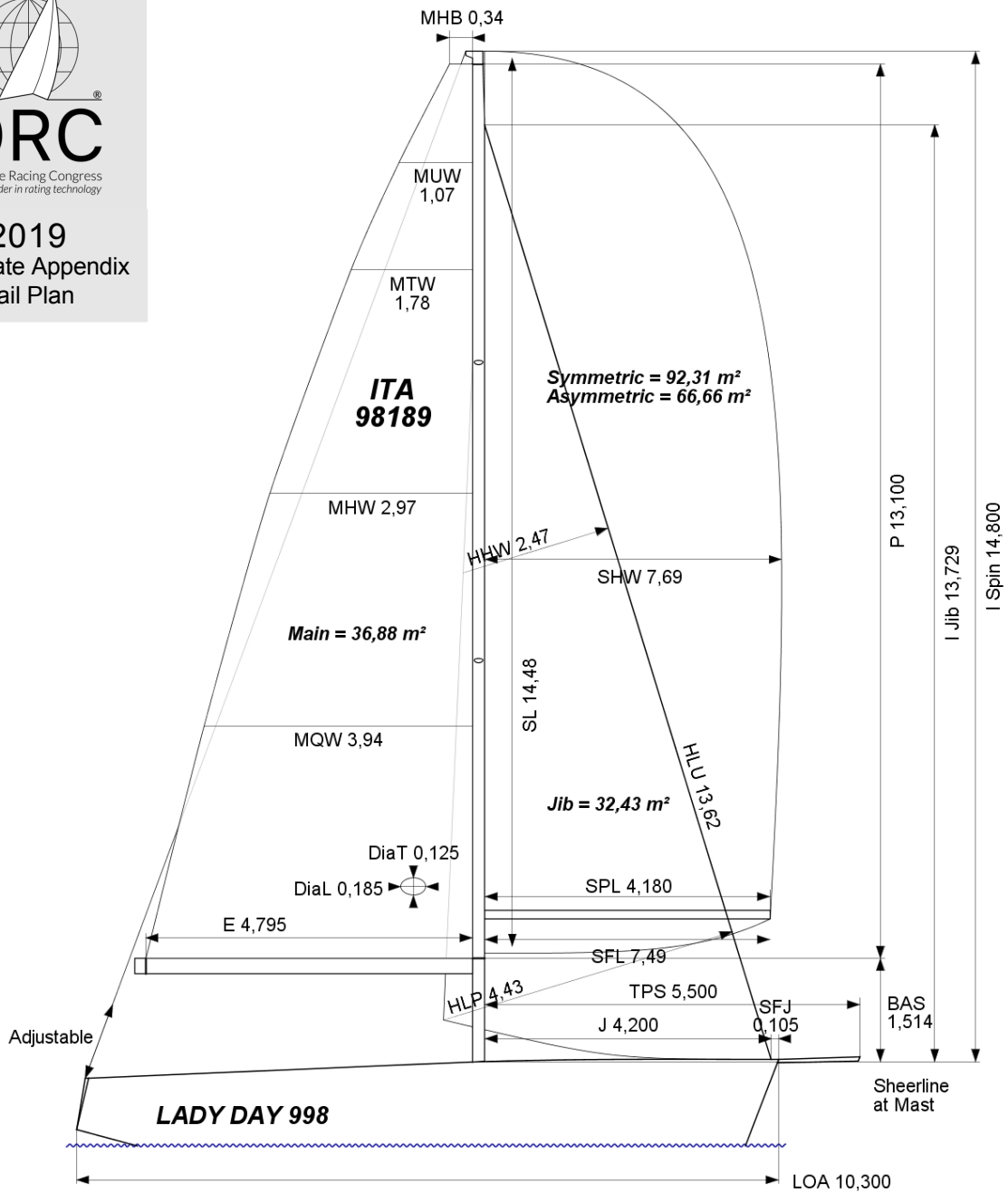
<b>MEASUREMENT INVENTORY</b>							
<b>Id</b>	<b>Item</b>	<b>Tank Use</b>	<b>Tank Type</b>	<b>Capcty</b>	<b>Dist.</b>	<b>VCG</b>	<b>Condtn Description</b>
A	Tank	WATER	PVC	110.0	4.22	0.00	0-0 EMPTY
B	Tank	FUEL	PVC	60.0	7.58	0.00	8-0 L
<b>Id</b>	<b>Item</b>	<b>Weight</b>	<b>Distance</b>	<b>VCG Description</b>			
A	Battery	21.0	4.82	0.00 1x70 Ah			
B	Battery	21.0	4.53	0.00 1x70 Ah			



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Sail Plan



**SAILS INVENTORY**

**MAINSAIL (2)**

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
C	0.34	1.07	1.78	2.97	3.94	36.89		15/06/2017	OLIMPIC	Unknown	
B	0.18	1.02	1.76	2.94	3.92	36.46		28/06/2016	OLIMPIC	Carbon	

**HEADSAILS (4)**

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
F	0.12	0.79	1.41	2.47	3.43	4.43	13.62	105%	32.43	Y	N		16/04/2019	OLIMPIC	Unknown	JL
H	0.11	0.75	1.38	2.44	3.37	4.45	13.70	106%	32.25	N	N		26/06/2017	OLIMPIC	Unknown	
I	0.10	0.75	1.38	2.43	3.35	4.45	13.69	106%	32.13	N	N		15/05/2019	OLIMPIC	Twaron	J1.5
J	0.10	0.75	1.38	2.43	3.34	4.42	13.71	105%	32.08	N	N		15/05/2019		Unknown	J2

**SYMMETRIC SPINNAKERS (2)**

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
D	14.48	14.48	14.48	7.69	7.49	92.31		20/05/2019	OLIMPIC	Nylon	S2
E	14.48	14.48	14.48	7.62	7.61	91.93		16/05/2019	OLIMPIC	Nylon	S1

**ASYMMETRIC SPINNAKERS (1)**

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
B	15.00	13.61	14.30	5.25	6.96	66.67	asym		16/05/2019	OLIMPIC	Twaron	A0