

<b>BOAT</b> Name <b>TARJIL</b> Sail Nr <b>PER 15297</b>	<b>GPH</b> <b>607.4</b>	<b>HULL</b> Length Overall <b>11.448m</b> Maximum Beam <b>3.608m</b> Displacement <b>5,104kg</b> Draft <b>2.079m</b> IMS Reg. Division <b>Cruiser/Racer</b> Dynamic Allowance <b>0.000%</b> Fwd Accommodation <b>No</b> Hull Construction <b>Solid</b> Carbon Rudder <b>No</b> Crew Arm Extension
<b>GENERAL</b> Class <b>Baltic 38DP</b> Designer <b>Bruce Nelson</b> Builder <b>Baltic Yachts</b> Series <b>01/1983</b> Age <b>01/1983</b> Age Allowance <b>0.487%</b> Offset File <b>H3272E.OFF - 22/08/2000 16:27:28</b> Measurement by <b>GIOVANNI LIZA - 04/10/2019</b>		IMSL <b>9.109m</b> VCGD <b>-0.421m</b> Sink <b>17.14kg/mm</b> RL <b>9.095m</b> VCGM <b>-0.394m</b> WS <b>23.86m<sup>2</sup></b> LSM0 <b>9.022m</b> Displacement/Length ratio <b>6.9503</b>



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**Rating Office**  
Asociacion de Veleros  
Oceanicos del Peru  
Roberto Peschiera - RO  
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<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>593.0</b>			<b>659.5</b>		
Time on Time	<b>1.0119</b>			<b>1.0235</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>682.2</b>	<b>542.2</b>	<b>489.7</b>	<b>879.0</b>	<b>661.8</b>	<b>584.2</b>
Time on Time	<b>0.9895</b>	<b>1.2449</b>	<b>1.3783</b>	<b>0.7679</b>	<b>1.0199</b>	<b>1.1555</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>959.5</b>	<b>801.9</b>	<b>727.8</b>	<b>700.2</b>	<b>687.9</b>	<b>681.7</b>	<b>680.5</b>
52°	<b>633.9</b>	<b>542.9</b>	<b>512.8</b>	<b>501.2</b>	<b>495.4</b>	<b>492.3</b>	<b>491.2</b>
60°	<b>599.8</b>	<b>527.0</b>	<b>501.6</b>	<b>488.3</b>	<b>481.5</b>	<b>477.5</b>	<b>474.9</b>
75°	<b>574.7</b>	<b>516.4</b>	<b>491.8</b>	<b>474.6</b>	<b>462.2</b>	<b>455.1</b>	<b>448.6</b>
90°	<b>579.0</b>	<b>515.6</b>	<b>489.3</b>	<b>469.7</b>	<b>453.0</b>	<b>439.7</b>	<b>424.2</b>
110°	<b>626.3</b>	<b>525.1</b>	<b>487.5</b>	<b>461.6</b>	<b>439.4</b>	<b>422.5</b>	<b>403.9</b>
120°	<b>644.2</b>	<b>533.8</b>	<b>491.7</b>	<b>463.7</b>	<b>439.2</b>	<b>419.0</b>	<b>385.3</b>
135°	<b>708.8</b>	<b>576.4</b>	<b>511.7</b>	<b>480.9</b>	<b>454.5</b>	<b>430.4</b>	<b>387.4</b>
150°	<b>843.3</b>	<b>676.1</b>	<b>568.5</b>	<b>510.7</b>	<b>482.3</b>	<b>457.8</b>	<b>414.0</b>
Run VMG	<b>973.7</b>	<b>780.7</b>	<b>656.5</b>	<b>578.6</b>	<b>528.1</b>	<b>494.9</b>	<b>447.8</b>

**Certificate**  
Number  
ORC Ref **PER00000115**  
Issued On **4/10/2019**  
VPP Ver. **2019 1.01**  
Valid until **31/03/2020**

**Crew Weight**  
Default **594kg**  
Maximum **594kg**  
Minimum\* **446kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**  
ToD ToT  
Non Spin GPH **629.6 0.9530**  
Non Spin OSN **614.4 0.9766**

<b>Selected Courses</b>							
Windward / Leeward	<b>966.6</b>	<b>791.3</b>	<b>692.2</b>	<b>639.4</b>	<b>608.0</b>	<b>588.3</b>	<b>564.1</b>
Circular Random	<b>823.2</b>	<b>670.5</b>	<b>590.2</b>	<b>544.4</b>	<b>516.5</b>	<b>498.3</b>	<b>475.0</b>
Coastal / Long Distance	<b>967.3</b>	<b>745.7</b>	<b>628.2</b>	<b>563.2</b>	<b>528.1</b>	<b>499.7</b>	<b>454.1</b>
Non Spinnaker	<b>860.6</b>	<b>697.8</b>	<b>611.2</b>	<b>561.4</b>	<b>530.9</b>	<b>511.2</b>	<b>486.6</b>

**Sails Limitations**  
Headsails **1** Spinnakers **3**

<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>41.8°</b>	<b>41.7°</b>	<b>39.4°</b>	<b>38.2°</b>	<b>37.6°</b>	<b>37.6°</b>	<b>37.6°</b>
Beat VMG	<b>3.75</b>	<b>4.49</b>	<b>4.95</b>	<b>5.14</b>	<b>5.23</b>	<b>5.28</b>	<b>5.29</b>
52°	<b>5.68</b>	<b>6.63</b>	<b>7.02</b>	<b>7.18</b>	<b>7.27</b>	<b>7.31</b>	<b>7.33</b>
60°	<b>6.00</b>	<b>6.83</b>	<b>7.18</b>	<b>7.37</b>	<b>7.48</b>	<b>7.54</b>	<b>7.58</b>
75°	<b>6.26</b>	<b>6.97</b>	<b>7.32</b>	<b>7.59</b>	<b>7.79</b>	<b>7.91</b>	<b>8.03</b>
90°	<b>6.22</b>	<b>6.98</b>	<b>7.36</b>	<b>7.66</b>	<b>7.95</b>	<b>8.19</b>	<b>8.49</b>
110°	<b>5.75</b>	<b>6.86</b>	<b>7.38</b>	<b>7.80</b>	<b>8.19</b>	<b>8.52</b>	<b>8.91</b>
120°	<b>5.59</b>	<b>6.74</b>	<b>7.32</b>	<b>7.76</b>	<b>8.20</b>	<b>8.59</b>	<b>9.34</b>
135°	<b>5.08</b>	<b>6.25</b>	<b>7.04</b>	<b>7.49</b>	<b>7.92</b>	<b>8.36</b>	<b>9.29</b>
150°	<b>4.27</b>	<b>5.32</b>	<b>6.33</b>	<b>7.05</b>	<b>7.46</b>	<b>7.86</b>	<b>8.69</b>
Run VMG	<b>3.70</b>	<b>4.61</b>	<b>5.48</b>	<b>6.22</b>	<b>6.82</b>	<b>7.27</b>	<b>8.04</b>
Gybe Angles	<b>145.1°</b>	<b>148.1°</b>	<b>149.4°</b>	<b>158.1°</b>	<b>180.0°</b>	<b>180.0°</b>	<b>180.0°</b>

**Class Division Length**  
CDL = **9.102**

**Storm Sails Areas**  
Heavy Weather Jib **34.74**  
Storm Jib (JL=10.43) **12.87**  
Storm Trysail **10.35**

**Owner**  
**MIGUEL RISCO**

I certify that I understand my responsibilities under ORC Rules and Regulations

Signature

<b>BOAT</b>	
Name <b>TARJIL</b>	Sail Nr <b>PER 15297</b>
File <b>PER15297</b>	Data in <b>meters/kilograms</b>

<b>RIG</b>	
Forestay Tension <b>Aft</b>	Spreaders <b>2</b>
Inner Stay <b>Fixed</b>	Runners <b>2</b>
Carbon Mast <b>No</b>	Jumper Struts <b>None</b>
Taper Hollows <b>No</b>	Jib Furler <b>Yes</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>14.125</b>	E <b>4.185</b> MDT1 <b>0.150</b> MW <b>0.165</b>
IG <b>16.040</b>	J <b>4.860</b> MDL1 <b>0.225</b> GO <b>0.165</b>
ISP <b>14.305</b>	SFJ <b>0.050</b> MDT2 <b>0.125</b> BD <b>0.170</b>
BAS <b>1.670</b>	SPL <b>4.820</b> MDL2 <b>0.165</b> MWT
FSP <b>0.084</b>	TPS <b>5.670</b> TL <b>1.665</b> MCG

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Current Inclining</b>			
Flotation date <b>04/10/2019</b>		SG <b>1.0253</b>	
FFM <b>1.270</b>	FF <b>1.270</b>	SFFP <b>0.932</b>	
FAM <b>1.025</b>	FA <b>1.025</b>	SAFP <b>10.223</b>	
W1 <b>90.0</b>	PD1 <b>580.7</b>	WD <b>12.330</b>	
W2 <b>90.0</b>	PD2 <b>588.9</b>	GSA <b>1.0</b>	
W3 <b>90.0</b>	PD3 <b>587.6</b>	RSA <b>1.0</b>	
W4 <b>90.0</b>	PD4 <b>582.6</b>	PLM <b>9000.0</b>	
LCF from stem on CL / on sheer		<b>6.079 / 6.327</b>	
Maximum beam station from stem		<b>6.260</b>	
RM Measured		<b>149.4kg-m</b>	
RM Default		<b>122.7kg-m</b>	
Limit of positive stability / Stab.Index		<b>133.9° / 132.5</b>	
Freeboard at mast at 4.910		<b>1.144</b>	



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

<b>PROPELLER</b>			
Installation <b>Shaft exposed</b>	PRD <b>0.481</b>		
Type <b>Folding 2 blades</b>	PBW <b>0.127</b>		
Twin Screw <b>No</b>	PIPA <b>0.0048</b>		
PSA <b>20.000</b>	PHL <b>0.151</b>	ST3 <b>0.130</b>	ESL <b>0.775</b>
PSD <b>0.025</b>	ST1 <b>0.031</b>	ST4 <b>0.055</b>	
PHD <b>0.068</b>	ST2 <b>0.115</b>	ST5 <b>0.175</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	
	0.140	0.81	1.53	2.62	3.45	34.43	34.87	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL				
	15.65	15.65	15.65	8.50	8.26	110.23		SL · (SFL + 4·SHW) / 6	
Asymmetric	SLU	SLE	SL	SHW	SFL				
	15.59	13.32	14.46	8.20	8.26	98.92		AS · (SFL + 4·SHW) / 6	

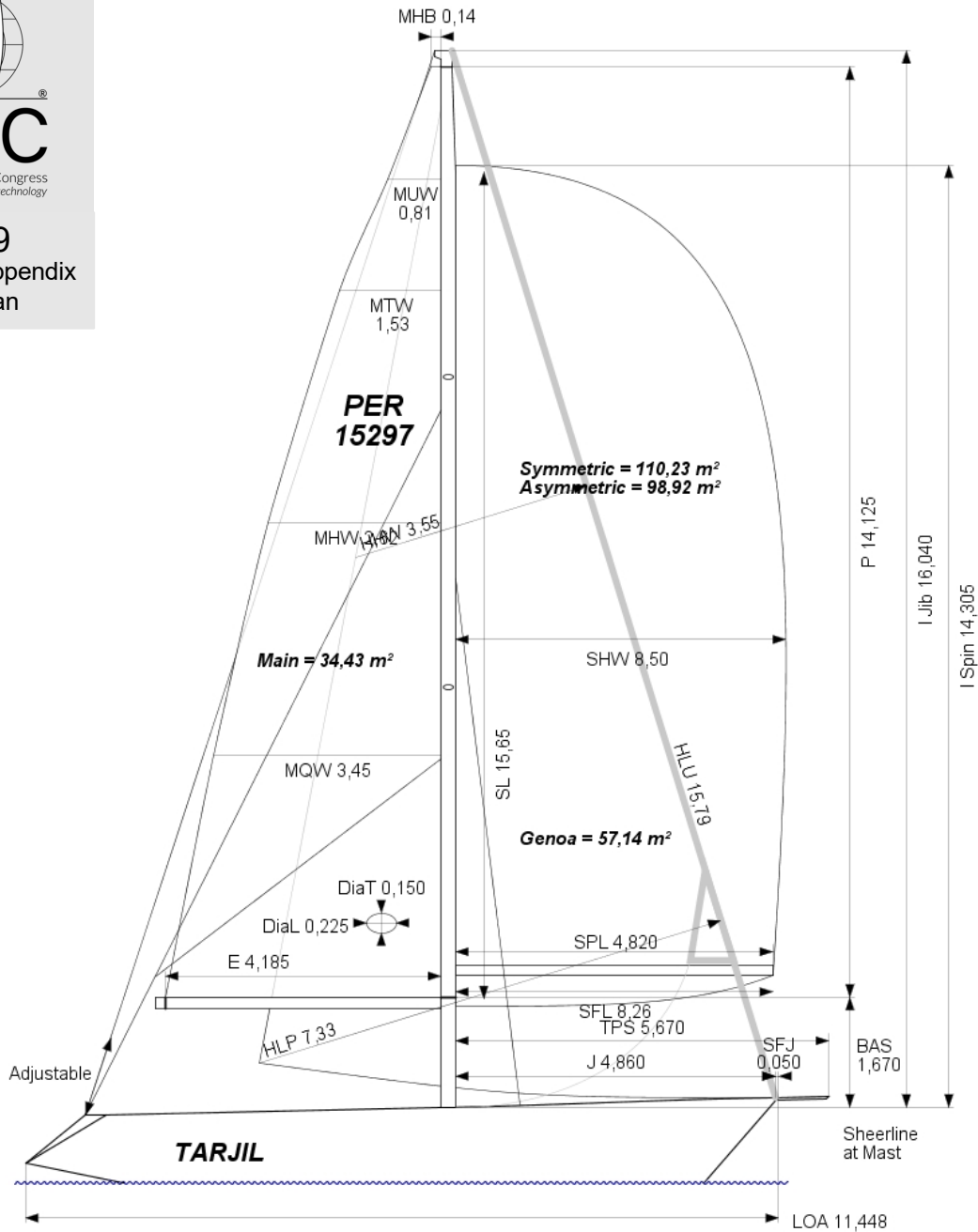
<b>HEADSAILS</b>												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0.11	0.91	1.77	3.55	5.43	7.33	15.79	57.15			04/10/2019	Kevlar	USADA
0.08	0.53	1.03	2.13	3.32	4.62	15.42	34.16			04/10/2019	Dacron	USADA



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Sail Plan**



**SAILS INVENTORY**

**MAINSAIL (1)**

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
M1	0.14	0.81	1.53	2.62	3.45	34.43	G LIZA	04/10/2019	UK SAILS	Dacron	USADA

**HEADSAILS (2)**

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
G2	0.11	0.91	1.77	3.55	5.43	7.33	15.79	151%	57.15			G LIZA	04/10/2019	UK SAILS	Kevlar	USADA
G1	0.08	0.53	1.03	2.13	3.32	4.62	15.42	95%	34.16			G LIZA	04/10/2019	NORTH S	Dacron	USADA

**SYMMETRIC SPINNAKERS (2)**

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
S2	15.65	15.65	15.65	8.50	8.26	110.23	G LIZA	04/10/2019	NORTH S	Nylon	USADA
S1.5	15.43	15.43	15.43	8.25	8.41	106.50	G LIZA	04/10/2019	NORTH S	Nylon	USADA

**ASYMMETRIC SPINNAKERS (2)**

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
A1	15.59	13.32	14.46	8.20	8.26	98.93	asym	G LIZA	04/10/2019	ULLMAN	Nylon	USADA
A0	15.70	14.34	15.02	5.76	7.64	76.81	asym	G LIZA	04/10/2019		Nylon	USADA