



**2020**  
ORC Club  
Certificate

**Rating Office**  
Hellenic Sailing Federation  
Offshore Committee  
Επιτροπή  
Ανοικτής Θαλάσσης  
Ελληνικής  
Ιστιοπλοϊκής Ομοσπονδίας



**Certificate**  
Number **00312**  
Issued On **27/03/2020**  
ORC Ref **03420000F9N**  
VPP Ver. **2020 1.01**  
Valid until **28/02/2021**

**Crew Weight**

Default	609kg
Maximum	<b>700kg</b>
Minimum*	<b>525kg</b>

*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

ToD	ToT
Non Spin GPH <b>696.8</b>	<b>0.8611</b>
Non Spin OSN <b>673.8</b>	<b>0.8905</b>

**Sails Limitations**

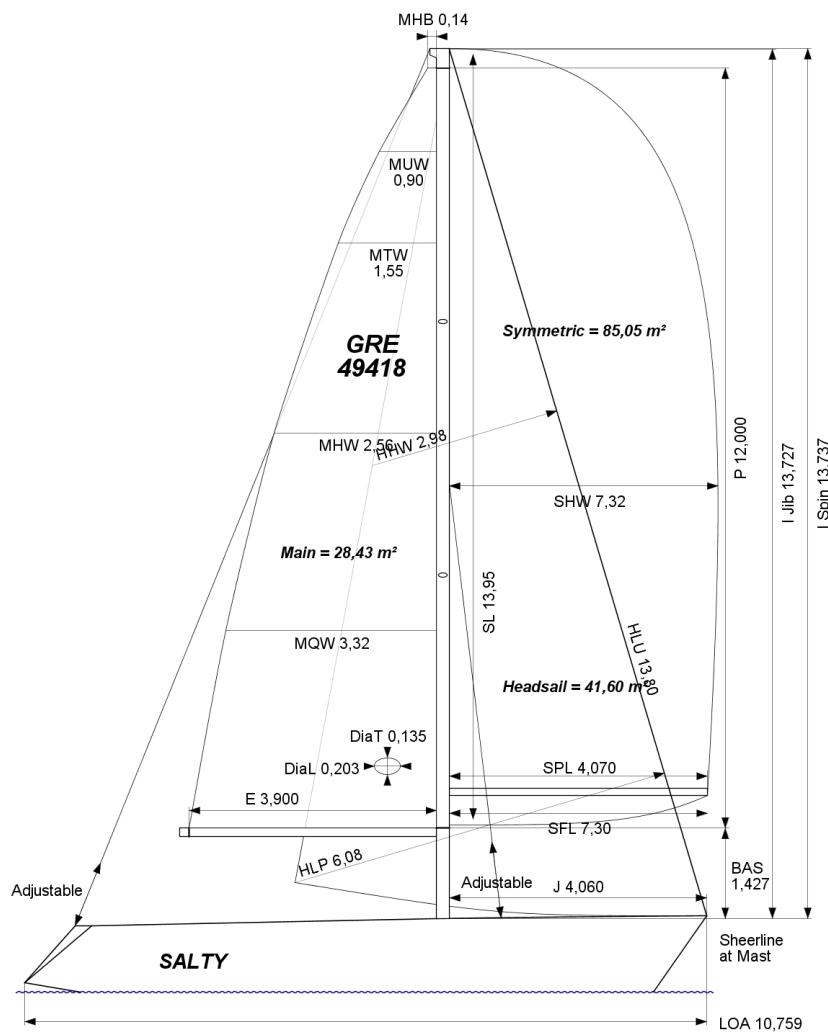
Headsails **5** Spinnakers **4**

**Spinnaker configuration**  
Symmetric: **Yes** **85.05**  
Asymmetric: **No**  
Flying H/S: **No**  
Spin. Pole: **Yes**

**Class Division Length**  
CDL = **8.493**

**Stability (Measured)**  
Limit Positive Stab.: **111.5°**  
Stability Index: **112.6**

**Owner**



<b>BOAT</b> Name <b>SALTY</b> Sail Nr <b>GRE-49418</b>		<b>GPH</b> <b>667.4</b>	<b>HULL</b> Data File <b>GR49418</b> LOA <b>10.759m</b> Offset File <b>US16758.off</b> MB <b>3.700m</b> Displacement <b>6,311kg</b> Draft <b>1.991m</b>			
<b>CLASS</b> Class <b>FIRST 35</b> Designer <b>J.BERRET</b> Builder <b>BENETEAU</b> Series <b>12/1979</b> Age Date <b>01/1982</b> Age Allowance <b>0.487%</b>			IMS Division <b>Cruiser/Racer</b> Dynamic All. <b>0.439%</b> Plan Review Construction <b>Solid</b> Fiber Rigging <b>No</b> Aramid Core <b>No</b> Crew Arm Ex Carbon Rudder <b>No</b> Light Stanchions <b>No</b>			
<b>COMMENTS</b> ex "KELTINA", ex "MARAKI"			IMSL <b>9.305m</b> VCGD <b>0.149m</b> Sink <b>18.82kg/mm</b> RL <b>7.684m</b> VCGM <b>0.138m</b> WS <b>26.60m²</b> LSM0 <b>9.181m</b> Displacement/Length ratio <b>8.1551</b> Water Ballast <b>0</b> Trim Tab <b>No</b> BLR Index <b>0.0000</b>			
<b>PROPELLER</b> Installation <b>Shaft exposed</b> PRD Type <b>Folding 2 blades</b> PIPA <b>0.0058</b>		<b>CENTERBOARD</b> <b>N/A</b>				
<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>646.2</b>			<b>719.2</b>		
Time on Time	<b>0.9284</b>			<b>0.9385</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>774.7</b>	<b>588.7</b>	<b>521.0</b>	<b>1000.1</b>	<b>726.4</b>	<b>620.3</b>
Time on Time	<b>0.8713</b>	<b>1.1466</b>	<b>1.2955</b>	<b>0.6749</b>	<b>0.9293</b>	<b>1.0881</b>

<b>BOAT</b>			
Name <b>SALTY</b>	Sail Nr <b>GRE-49418</b>		
File <b>GR49418</b>	Data in <b>meters/kilograms</b>		
<b>RIG</b>			
Forestay Tension <b>Aft</b>	Spreaders <b>2</b>		
Inner Stay <b>Adjustable</b>	Runners/Checkstays <b>0</b>		
Carbon Mast <b>No</b>	Jib Furler <b>No</b>		
Fiber Rigging <b>No</b>	Main Furler <b>No</b>		
Non-Circular Rigging <b>No</b>			
Articulated Bowsprit <b>No</b>			
P <b>12.000</b>	E <b>3.900</b>	MDT1 <b>0.135</b>	MW <b>0.203</b>
IG <b>13.727</b>	J <b>4.060</b>	MDL1 <b>0.203</b>	GO <b>0.213</b>
ISP <b>13.737</b>	SFJ <b>0.000</b>	MDT2 <b>0.135</b>	BD <b>0.130</b>
BAS <b>1.427</b>	SPL <b>4.070</b>	MDL2 <b>0.203</b>	MWT
FSD <b>0.026</b>	TPS	TL <b>0.000</b>	MCG

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Current Inclining</b>			
Flotation date <b>22/06/2005</b>		SG <b>1.0260</b>	
FFM <b>1.174</b>	FF <b>1.198</b>	SFFP <b>0.640</b>	
FAM <b>1.053</b>	FA <b>1.051</b>	SAFP <b>9.697</b>	
W1 <b>80.6</b>	PD1 <b>267.0</b>	WD <b>11.700</b>	
W2 <b>80.6</b>	PD2 <b>267.0</b>	GSA <b>28.3</b>	
W3 <b>80.6</b>	PD3 <b>267.0</b>	RSA <b>5944.0</b>	
W4 <b>80.6</b>	PD4 <b>267.0</b>	PLM <b>2050.0</b>	
LCF from stem on CL / on sheer		<b>5.874 / 6.130</b>	
Maximum beam station from stem		<b>6.614</b>	
RM Measured		<b>126.1kg-m</b>	
RM Default		<b>130.4kg-m</b>	
Limit of positive stability / Stab.Index		<b>111.5° / 112.6</b>	
Freeboard at mast at 4.060		<b>1.161</b>	



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**2020**  
Measurements  
Datasheet

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

<b>PROPELLER</b>			
Installation <b>Shaft exposed</b>	PRD		
Type <b>Folding 2 blades</b>	PBW		
Twin Screw <b>No</b>	PIPA <b>0.0058</b>		
PSA <b>24.000</b>	PHL <b>0.146</b>	ST3 <b>0.071</b>	ESL <b>0.850</b>
PSD <b>0.025</b>	ST1 <b>0.022</b>	ST4 <b>0.045</b>	
PHD <b>0.075</b>	ST2 <b>0.071</b>	ST5 <b>0.183</b>	

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<b>COMMENTS</b>			
ex "KELTINA", ex "MARAKI"			

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

<b>CENTERBOARD</b>			
N/A			

<b>SAILS INVENTORY</b>																
<b>MAINSAIL (2)</b>																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ORC	0.14	0.90	1.55	2.56	3.32	28.44					* Copied from legacy					
1	0.16	0.68	1.22	2.21	3.08	25.61		10/10/2017	PLATON	Unknown						
<b>HEADSAILS (4)</b>																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
2	0.00	0.73	1.48	2.98	4.52	6.08	13.80	150%	41.60		No		12/03/2008		Unknow	
1	0.06	0.77	1.44	2.89	4.38	5.92	13.49	146%	39.54		No		03/02/2020		Unknow	
2	0.04	0.72	1.42	2.82	4.37	5.92	13.20	146%	38.32		No		10/03/2020		Unknow	
4	0.04	0.44	0.84	1.73	2.70	3.63	13.28	89%	23.64	Y	No				Unknow	
<b>SYMMETRIC SPINNAKERS (2)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ORC	13.95	13.95	13.95	7.32	7.30	85.05					* Copied from legacy *					
2	13.90	13.90	13.90	7.29	7.29	84.45		10/10/2017	PLATON	Polyester						
<b>ASYMMETRIC SPINNAKERS (0)</b>																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				

<b>MEASUREMENT INVENTORY</b>				
Measurer				
Date <b>22/06/2005</b>				
Comment				
<b>Internal Ballast total = 0.0</b>				
Id	Item	Weight	Distance	VCG Description
4	Anchor	42.0	0-60	Delta
2	Anchor	45.0	40-30	Danforth
4	Chain	80.0	0-60	8mm x 50m
2	Chain	38.0	40-30	8mm x 25m
4	Toots	5.0	6.00	
Id	Item	Maker	Model	
1	Engine	YANMAR	35F	
Id	Item	Weight	Description	
4	Deck-Gear	40.0	Ropes + Handles	

<b>MEASUREMENT INVENTORY</b>						
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG Condtn Description
1	Tank	Water	Inox	150.0	5.00	
2	Tank	Water	Inox	150.0	5.00	
3	Tank	Fuel	Inox	80.0	9.00	45.0
Id	Item	Weight	Distance	VCG Description		
1	Battery	18.0	8.00	100Ah		
1	Battery	18.0	8.00	100Ah		
1	Misc	18.0	0.80	Windlass LOFRANS		

# 2020

## ORC Club Certificate Appendix

<b>BOAT</b>	
Name <b>SALTY</b>	Certificate Number <b>00312</b>
Sail Nr <b>GRE-49418</b>	Issued On <b>27/03/2020</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1136.5</b>	<b>943.4</b>	<b>832.3</b>	<b>761.8</b>	<b>733.4</b>	<b>721.1</b>	<b>718.8</b>
52°	<b>740.5</b>	<b>625.6</b>	<b>559.6</b>	<b>529.7</b>	<b>516.3</b>	<b>510.9</b>	<b>508.1</b>
60°	<b>698.8</b>	<b>593.8</b>	<b>540.8</b>	<b>517.1</b>	<b>504.1</b>	<b>497.5</b>	<b>493.3</b>
75°	<b>670.7</b>	<b>570.7</b>	<b>527.6</b>	<b>506.8</b>	<b>492.3</b>	<b>480.9</b>	<b>468.6</b>
90°	<b>679.7</b>	<b>574.8</b>	<b>525.1</b>	<b>500.0</b>	<b>488.0</b>	<b>474.6</b>	<b>450.2</b>
110°	<b>696.2</b>	<b>571.6</b>	<b>517.0</b>	<b>491.5</b>	<b>470.6</b>	<b>451.7</b>	<b>431.1</b>
120°	<b>716.7</b>	<b>587.4</b>	<b>523.3</b>	<b>495.5</b>	<b>473.6</b>	<b>451.9</b>	<b>417.4</b>
135°	<b>789.3</b>	<b>641.2</b>	<b>551.9</b>	<b>511.8</b>	<b>488.7</b>	<b>467.4</b>	<b>426.7</b>
150°	<b>929.5</b>	<b>733.8</b>	<b>621.0</b>	<b>547.5</b>	<b>512.0</b>	<b>490.4</b>	<b>450.8</b>
Run VMG	<b>1073.3</b>	<b>847.3</b>	<b>716.3</b>	<b>626.4</b>	<b>564.9</b>	<b>523.2</b>	<b>480.0</b>
<b>Selected Courses</b>							
Windward / Leeward	<b>1104.9</b>	<b>895.4</b>	<b>774.3</b>	<b>694.1</b>	<b>649.1</b>	<b>622.1</b>	<b>599.4</b>
Circular Random	<b>926.9</b>	<b>745.4</b>	<b>647.0</b>	<b>589.5</b>	<b>554.2</b>	<b>531.6</b>	<b>505.6</b>
Coastal / Long Distance	<b>1101.7</b>	<b>840.8</b>	<b>696.2</b>	<b>606.5</b>	<b>562.9</b>	<b>531.2</b>	<b>482.7</b>
Non Spinnaker	<b>979.9</b>	<b>782.8</b>	<b>674.8</b>	<b>610.9</b>	<b>571.3</b>	<b>546.0</b>	<b>516.4</b>

<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>43.1°</b>	<b>41.3°</b>	<b>41.3°</b>	<b>40.5°</b>	<b>39.4°</b>	<b>38.6°</b>	<b>38.8°</b>
Beat VMG	<b>3.17</b>	<b>3.82</b>	<b>4.33</b>	<b>4.73</b>	<b>4.91</b>	<b>4.99</b>	<b>5.01</b>
52°	<b>4.86</b>	<b>5.75</b>	<b>6.43</b>	<b>6.80</b>	<b>6.97</b>	<b>7.05</b>	<b>7.09</b>
60°	<b>5.15</b>	<b>6.06</b>	<b>6.66</b>	<b>6.96</b>	<b>7.14</b>	<b>7.24</b>	<b>7.30</b>
75°	<b>5.37</b>	<b>6.31</b>	<b>6.82</b>	<b>7.10</b>	<b>7.31</b>	<b>7.49</b>	<b>7.68</b>
90°	<b>5.30</b>	<b>6.26</b>	<b>6.86</b>	<b>7.20</b>	<b>7.38</b>	<b>7.58</b>	<b>8.00</b>
110°	<b>5.17</b>	<b>6.30</b>	<b>6.96</b>	<b>7.33</b>	<b>7.65</b>	<b>7.97</b>	<b>8.35</b>
120°	<b>5.02</b>	<b>6.13</b>	<b>6.88</b>	<b>7.27</b>	<b>7.60</b>	<b>7.97</b>	<b>8.63</b>
135°	<b>4.56</b>	<b>5.61</b>	<b>6.52</b>	<b>7.03</b>	<b>7.37</b>	<b>7.70</b>	<b>8.44</b>
150°	<b>3.87</b>	<b>4.91</b>	<b>5.80</b>	<b>6.58</b>	<b>7.03</b>	<b>7.34</b>	<b>7.99</b>
Run VMG	<b>3.35</b>	<b>4.25</b>	<b>5.03</b>	<b>5.75</b>	<b>6.37</b>	<b>6.88</b>	<b>7.50</b>
Gybe Angles	<b>146.5°</b>	<b>150.0°</b>	<b>152.0°</b>	<b>155.5°</b>	<b>174.0°</b>	<b>180.0°</b>	<b>180.0°</b>