



2020
ORC Club
Certificate

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



Certificate
Number **00902**
Issued On **27/03/2020**
ORC Ref **03420000F9B**
VPP Ver. **2020 1.01**
Valid until **28/02/2021**

Crew Weight

Default	504kg
Maximum	504kg
Minimum*	378kg

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

Special Scoring

ToD	ToT
Non Spin GPH 818.3	0.7332
Non Spin OSN 785.2	0.7642

Sails Limitations

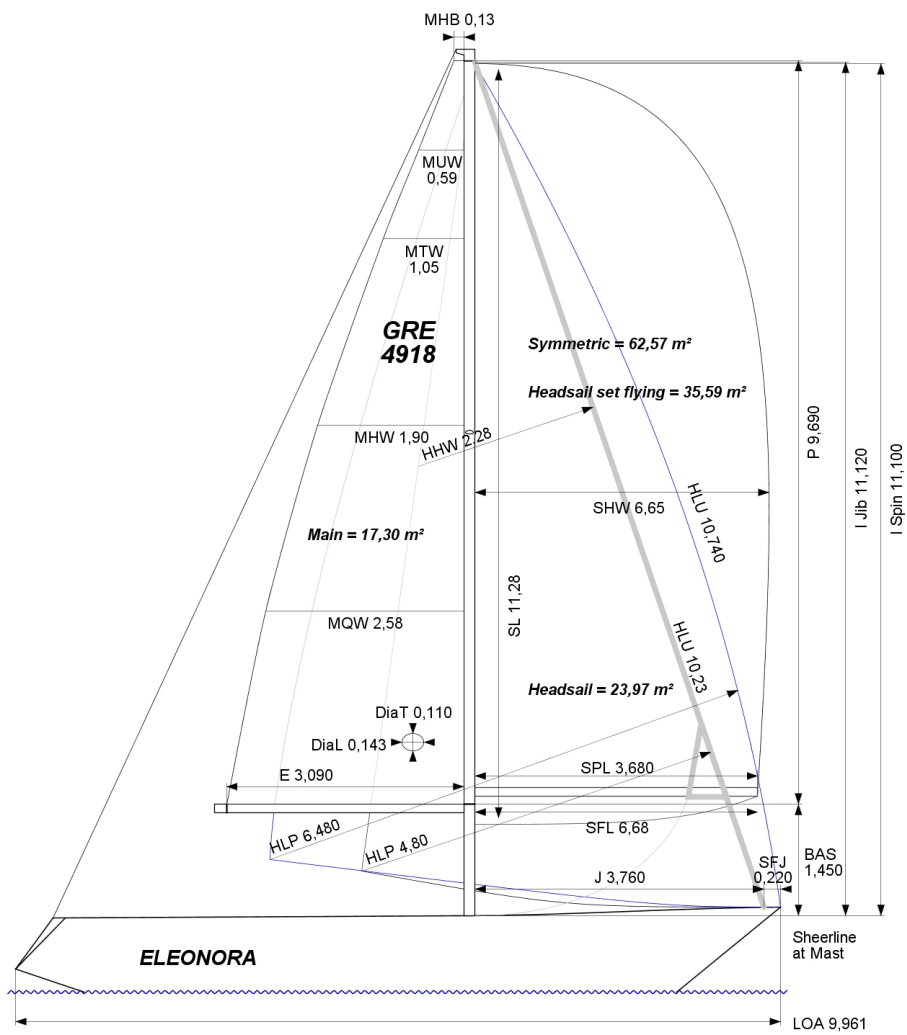
Headsails **1** Spinnakers **4**

Spinnaker configuration
Symmetric: **Yes** **62.57**
Asymmetric: **No**
Flying H/S: **Yes** **35.58**
Spin. Pole: **Yes**

Class Division Length
CDL = **6.787**

Stability (Estimated)
Limit Positive Stab.: **111.9°**
Stability Index: **112.0**

Owner



BOAT Name ELEONORA Sail Nr GRE-4918		GPH 751.3	HULL Data File GR4918 LOA 9.961m Offset File US12626.off MB 3.328m Displacement 4,658kg Draft 1.783m			
CLASS Class CARTER 33 Designer D. CARTER Builder OLYMPIC HELLAS Series 01/1971 Age Date Age Allowance 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.593% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No		IMSL 7.913m VCGD 0.133m Sink 13.84kg/mm RL 5.660m VCGM 0.103m WS 20.31m² LSM0 8.041m Displacement/Length ratio 8.9592		
COMMENTS ex "NINO II"		Water Ballast 0 Trim Tab No BLR Index 0.0000		CENTERBOARD N/A		
PROPELLER Installation Shaft exposed PRD 0.350 Type Solid 3 blades PIPA 0.0153						
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	727.3			814.5		
Time on Time	0.8250			0.8288		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	885.0	659.8	576.1	1149.7	824.9	691.0
Time on Time	0.7627	1.0230	1.1717	0.5871	0.8183	0.9769

BOAT	
Name ELEONORA	Sail Nr GRE-4918
File GR4918	Data in meters/kilograms

RIG	
Forestay Tension Fixed	Spreaders 1
Inner Stay None Fitted	Runners/Checkstays 0
Carbon Mast No	Jib Furler Yes
Fiber Rigging No	Main Furler No
Non-Circular Rigging No	
Articulated Bowsprit No	
P 9.690	E 3.090 MDT1 0.110 MW
IG 11.120	J 3.760 MDL1 0.143 GO
ISP 11.100	SFJ 0.220 MDT2 BD
BAS 1.450	SPL 3.680 MDL2 MWT
FSD -3.000	TPS TL -3.000 MCG

INCLINING TEST AND FREEBOARDS			
Inclining Test Club Estimated VCG			
Flotation date 10/08/2006		SG	
FFM 1.090	FF 1.098	SFFP 0.908	
FAM 0.960	FA 0.967	SAFP 9.313	
LCF from stem on CL / on sheer		5.465 / 5.681	
Maximum beam station from stem		5.733	
RM Measured		63.4kg-m	
RM Default		61.6kg-m	
Limit of positive stability / Stab.Index		111.9° / 112.0	
Freeboard at mast at 3.980		0.998	



ORC
Offshore Racing Congress
World leader in rating technology

2020
Measurements
Datasheet

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Shaft exposed	PRD 0.350		
Type Solid 3 blades	PBW		
Twin Screw No	PIPA 0.0153		
PSA	PHL	ST3	ESL
PSD	ST1	ST4	
PHD	ST2	ST5	

Certificate

Number **00902**
ORC Ref **03420000F9B**
Issued On **27/03/2020**
VPP Ver. **2020 1.01**
Valid until **28/02/2021**



COMMENTS	
ex "NINO II"	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ORC	0.13	0.59	1.05	1.90	2.58	17.30					* Copied from legacy					
HEADSAILS (2)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
C0	0.04	0.81	1.64	3.38	5.02	6.48	10.74	172%	35.59		Yes		12/03/2015		Unknow	
1	0.05	0.60	1.11	2.28	3.52	4.80	10.23	128%	23.97		No		23/03/2014		Dacron	
SYMMETRIC SPINNAKERS (2)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
2	11.28	11.28	11.28	6.65	6.68	62.57		23/03/2014	SEGELMAKA	Nylon						
1	11.00	11.00	11.00	6.71	6.80	61.68		30/04/2013		Unknown						
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				

2020

ORC Club Certificate Appendix

BOAT	
Name	ELEONORA
Sail Nr	GRE-4918
Certificate Number	00902
Issued On	27/03/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1341.0	1108.7	974.9	887.6	839.9	817.1	805.7
52°	857.8	718.1	634.8	589.9	569.2	559.5	552.3
60°	799.8	671.7	600.3	568.6	551.6	541.5	533.8
75°	757.1	638.2	580.1	555.2	539.2	526.8	510.9
90°	771.4	650.7	580.7	548.4	532.3	520.9	496.9
110°	781.4	639.6	567.4	537.2	515.6	496.7	473.7
120°	804.3	656.3	574.5	540.7	517.9	497.0	462.3
135°	897.4	719.0	609.2	558.9	532.6	510.9	470.7
150°	1042.8	818.6	687.6	600.7	558.2	533.9	494.6
Run VMG	1204.1	944.7	792.9	688.4	616.6	569.1	522.3
Selected Courses							
Windward / Leeward	1272.5	1026.7	883.9	788.0	728.3	693.1	664.0
Circular Random	1054.4	843.5	727.8	659.0	616.4	589.1	558.0
Coastal / Long Distance	1265.7	961.3	789.1	680.9	624.5	586.3	530.6
Non Spinnaker	1174.8	929.3	791.7	707.4	653.1	617.3	576.5

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	44.3°	44.3°	43.1°	43.1°	42.0°	41.3°	41.3°
Beat VMG	2.68	3.25	3.69	4.06	4.29	4.41	4.47
52°	4.20	5.01	5.67	6.10	6.32	6.43	6.52
60°	4.50	5.36	6.00	6.33	6.53	6.65	6.74
75°	4.75	5.64	6.21	6.48	6.68	6.83	7.05
90°	4.67	5.53	6.20	6.56	6.76	6.91	7.25
110°	4.61	5.63	6.34	6.70	6.98	7.25	7.60
120°	4.48	5.48	6.27	6.66	6.95	7.24	7.79
135°	4.01	5.01	5.91	6.44	6.76	7.05	7.65
150°	3.45	4.40	5.24	5.99	6.45	6.74	7.28
Run VMG	2.99	3.81	4.54	5.23	5.84	6.33	6.89
Gybe Angles	148.0°	151.0°	152.0°	155.0°	174.0°	180.0°	180.0°