



World Leader in Rating Technology

2017 ORC Club Certificate

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

Certificate
Number **000864**
Issued On **16/5/2017**
ORC Ref **GRE01007532**
VPP Ver. **2017 1.00**
Valid until **28/2/2018**

Crew Weight
Declared **470kg**
Default* **494kg**
Non Manual Pwr **No**

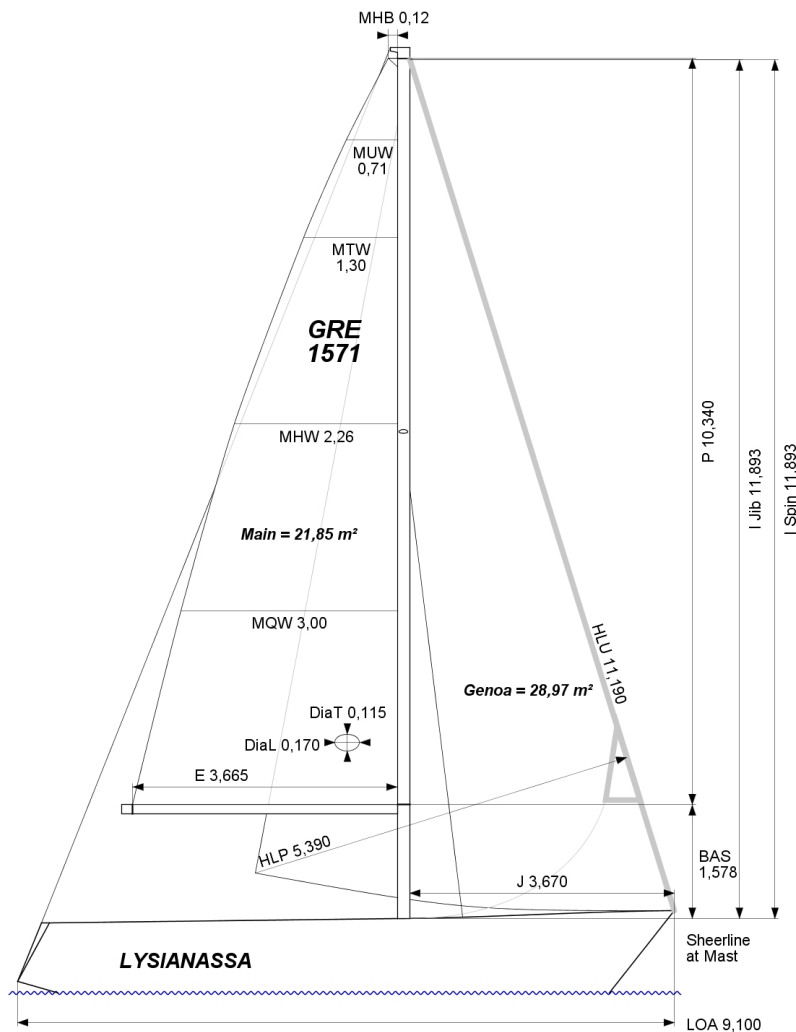
Special Scoring
ToD ToT
Non Spin GPH **786,6 0,7628**
Non Spin OSN **759,7 0,7898**

Sails Limitations
Headsails **1** Spinnakers **0**
Dacron Sails
Spinnaker configuration
Symmetric: **No**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **No**

Class Division Length
CDL = **6,629**

Stability (Estimated)
Limit Positive Stab.: **111,5°**
Stability Index: **111,8**

Owner



BOAT Name LYSIANASSA Sail Nr GRE-1571		GPH 786,6	HULL Data File GR1571 LOA 9,100m Offset File GR0066.off MB 3,240m Displacement 4,500kg Draft 1,668m			
CLASS Class DISCOVERY 3000 Designer DUBOIS Builder DROMOR Series 03/1994 Age Date 01/1996 Age Allowance 0,487%			IMS Division Cruiser/Racer Dynamic All. 0,575% Fwd Accom. Yes Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No			
COMMENTS Builder's declared displacement.			IMSL 7,823m VCGD -0,057m Sink 14,65kg/mm RL 5,435m VCGM 0,117m WS 20,19m² LSM0 7,926m Displacement/Length ratio 9,0375			
PROPELLER Installation Shaft exposed PRD 0,350 Type Solid 3 blades PIPA 0,0153			CENTERBOARD N/A			
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	759,7			848,4		
Time On Time	0,7898			0,7956		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	937,6	688,7	592,1	1223,5	860,5	709,9
Time on Time	0,7199	0,9801	1,1400	0,5517	0,7844	0,9508

BOAT	
Name LYSIANASSA	Sail Nr GRE-1571
File GR1571	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Club Estimated VCG			
Flotation date 01/01/2013		SG	
FFM	FF	1,127	SFFP 0,580
FAM	FA	0,970	SAFP 8,658
LCF from stem on CL / on sheer		5,056 / 5,309	
Maximum beam station from stem		5,400	
RM Measured		78,5kg·m	
RM Default		76,2kg·m	
Limit of positive stability / Stab.Index		111,5° / 111,8	
Freeboard at mast at 3,670		1,030	

RIG			
Forestay Tension Fixed	Spreaders	1	
Inner Stay Fixed	Runners	0	
Carbon Mast No	Jumper Struts	None	
Taper Hollows No	Jib Furler	Yes	
Fiber Rigging No	Main Furler	No	
Lenticular Rigging No	Without Backstay	No	
Articulated Bowsprit No			
P 10,340	E 3,665	MDT1 0,115	MW
IG 11,893	J 3,670	MDL1 0,170	GO
ISP 11,893	SFJ 0,000	MDT2	BD
BAS 1,578	SPL	MDL2	MWT
FSP -3,000	TPS	TL -3,000	MCG



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2017 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	

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COMMENTS	
Builder's declared displacement.	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0,125	0,71	1,30	2,26	3,00	21,85	KALATZIS	31/03/2012	SAILOR CO	Dacron						
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1	0,09	0,63	1,21	2,50	3,87	5,39	11,19	147%	28,98			KALATZIS	31/03/2012	SAILOR CO	Dacron	
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				



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2017

ORC Club Certificate Appendix

BOAT	
Name	LYSIANASSA
Certificate Number	000864
Sail Nr	GRE-1571
Issued On	16/5/2017

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1362,4	1120,3	992,7	905,8	848,2	823,9	814,3
52°	871,6	728,5	643,5	594,4	570,6	560,6	555,4
60°	811,9	682,8	606,5	571,5	552,9	542,0	535,5
75°	764,3	643,7	581,8	554,9	537,3	522,8	503,8
90°	765,1	644,6	580,4	552,3	534,1	515,8	489,1
110°	845,4	696,9	606,6	564,0	540,8	522,0	485,2
120°	902,1	734,9	633,2	576,4	548,9	529,3	492,9
135°	1027,4	812,5	695,5	614,7	570,8	546,8	510,8
150°	1202,9	924,2	773,6	677,4	608,1	569,0	528,5
Run VMG	1371,3	1040,1	854,8	740,1	658,1	599,9	544,1

Selected Courses							
Windward / Leeward	1366,8	1080,2	923,7	823,0	753,1	711,9	679,2
Circular Random	1115,8	887,7	761,5	685,6	637,8	607,0	572,1
Ocean for PCS	1380,3	1047,2	857,3	740,0	664,0	612,2	545,2
Non Spinnaker	1115,8	887,7	761,5	685,6	637,8	607,0	572,1

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	45,2°	43,6°	43,4°	44,2°	42,9°	41,9°	42,1°
Beat VMG	2,64	3,21	3,63	3,97	4,24	4,37	4,42
52°	4,13	4,94	5,59	6,06	6,31	6,42	6,48
60°	4,43	5,27	5,94	6,30	6,51	6,64	6,72
75°	4,71	5,59	6,19	6,49	6,70	6,89	7,15
90°	4,71	5,58	6,20	6,52	6,74	6,98	7,36
110°	4,26	5,17	5,93	6,38	6,66	6,90	7,42
120°	3,99	4,90	5,68	6,25	6,56	6,80	7,30
135°	3,50	4,43	5,18	5,86	6,31	6,58	7,05
150°	2,99	3,90	4,65	5,31	5,92	6,33	6,81
Run VMG	2,63	3,46	4,21	4,86	5,47	6,00	6,62
Gybe Angles	168,3°	169,1°	170,4°	171,4°	171,6°	173,6°	176,5°