



World Leader in Rating Technology

2018 ORC Club Certificate

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

Certificate
 Number **000864**
 Issued On **13/4/2018**
 ORC Ref **GRE01009425**
 VPP Ver. **2018 1.00**
 Valid until **28/2/2019**

Crew Weight

Default	497kg
Maximum	230kg
Minimum*	145kg

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

Special Scoring

ToD	ToT
Non Spin GPH 784,7	0,7646
Non Spin OSN 756,9	0,7927

Sails Limitations

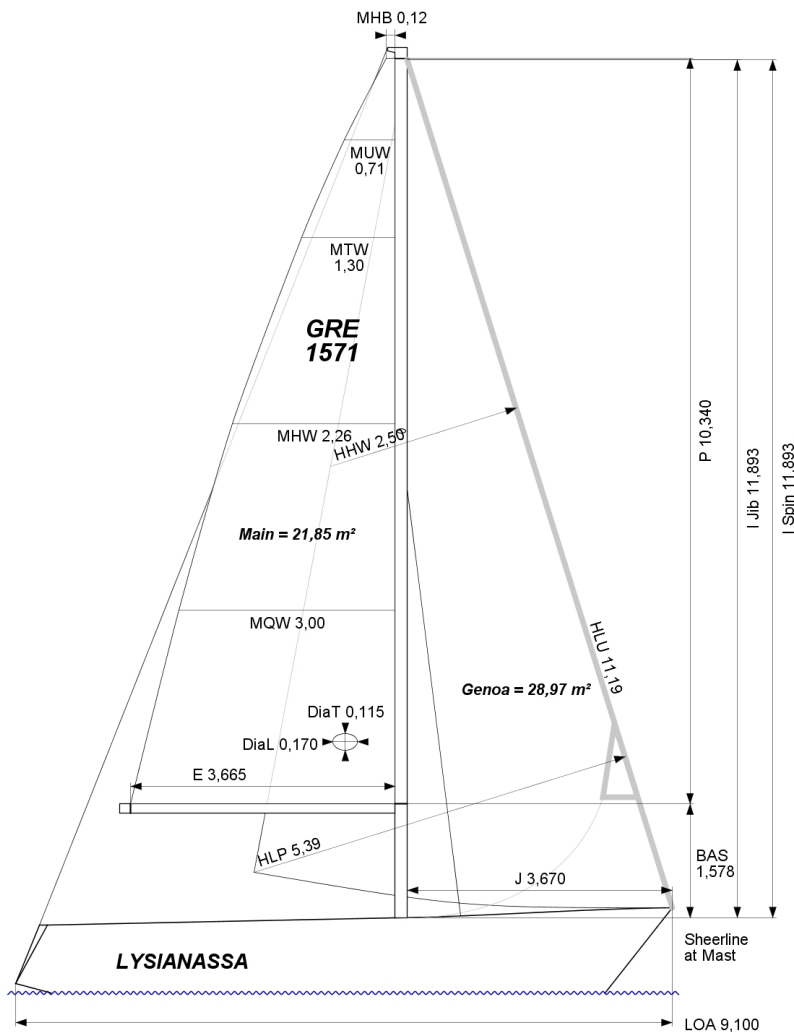
Headsails **1** Spinnakers **0**
Dacron Sails

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

Class Division Length
 CDL = **6,731**

Stability (Estimated)
 Limit Positive Stab.: **110,7°**
 Stability Index: **111,1**

Owner



BOAT Name LYSIANASSA Sail Nr GRE-1571		GPH 784,7	HULL Data File GR1571 LOA 9,100m Offset File GR0066.off MB 3,240m Displacement 4,500kg Draft 1,669m				
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. 0,567% Fwd Accom. Yes Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No		IMSL 7,852m VCGD -0,052m Sink 14,80kg/mm RL 5,609m VCGM 0,127m WS 20,30m² LSM0 7,953m Displacement/Length ratio 8,9458			
COMMENTS Builder's declared displacement.		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	756,9			844,6			
Time on Time	0,7927			0,7992			
Triple Number	Low	Medium	High	Low	Medium	High	
Time on Distance	931,2	686,7	600,1	1206,4	852,9	720,1	
Time on Time	0,7249	0,9830	1,1249	0,5595	0,7914	0,9374	

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 1,163	SFFP	0,580
FAM	FA 0,942	SAFP	8,658
LCF from stem on CL / on sheer		5,117 / 5,374	
Maximum beam station from stem		5,400	
RM Measured		79,0kg·m	
RM Default		76,7kg·m	
Limit of positive stability / Stab.Index		110,7° / 111,1	
Freeboard at mast at 3,670		1,041	

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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2018 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.	

MOVABLE 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		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%	28,97				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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2018

ORC Club Certificate Appendix

BOAT	
Name	LYSIANASSA
Certificate Number	000864
Sail Nr	GRE-1571
Issued On	13/4/2018

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1325,3	1091,7	967,4	891,6	853,2	840,8	848,7
52°	857,6	720,3	637,5	595,2	577,3	571,2	570,3
60°	807,6	681,7	607,2	575,0	559,5	552,7	549,9
75°	770,9	651,2	586,8	559,5	543,7	532,4	521,6
90°	777,7	655,4	586,3	556,1	537,8	521,9	499,6
110°	844,5	696,4	607,2	564,5	541,2	522,6	488,5
120°	901,8	734,6	633,8	577,0	549,3	529,7	493,6
135°	1028,5	813,2	696,0	615,8	571,6	547,4	511,2
150°	1204,7	925,8	774,6	678,4	609,3	569,8	529,0
Run VMG	1369,7	1038,9	853,8	739,4	657,5	599,7	544,2

Selected Courses							
Windward / Leeward	1347,5	1065,3	910,6	815,5	755,4	720,2	696,5
Circular Random	1108,4	883,1	759,4	686,2	641,5	613,8	584,7
Coastal / Long Distance	1349,8	1002,1	818,9	708,6	648,2	608,4	553,0
Non Spinnaker	1108,4	883,1	759,4	686,2	641,5	613,8	584,7

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°	42,6°	42,1°	42,7°	42,2°	41,8°	42,6°
Beat VMG	2,72	3,30	3,72	4,04	4,22	4,28	4,24
52°	4,20	5,00	5,65	6,05	6,24	6,30	6,31
60°	4,46	5,28	5,93	6,26	6,43	6,51	6,55
75°	4,67	5,53	6,13	6,43	6,62	6,76	6,90
90°	4,63	5,49	6,14	6,47	6,69	6,90	7,21
110°	4,26	5,17	5,93	6,38	6,65	6,89	7,37
120°	3,99	4,90	5,68	6,24	6,55	6,80	7,29
135°	3,50	4,43	5,17	5,85	6,30	6,58	7,04
150°	2,99	3,89	4,65	5,31	5,91	6,32	6,81
Run VMG	2,63	3,47	4,22	4,87	5,48	6,00	6,61
Gybe Angles	168,1°	168,9°	170,3°	171,3°	171,5°	173,6°	176,5°