



World Leader in Rating Technology

2018 ORC Club Certificate

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

Certificate
 Number **000199**
 Issued On **14/3/2018**
 ORC Ref **GRE01009162**
 VPP Ver. **2018 1.00**
 Valid until **28/2/2019**

Crew Weight

Default	660kg
Maximum	450kg
Minimum*	338kg

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

Special Scoring

	ToD	ToT
Double H.GPH	701,6	0,8551
Double H.OSN	679,4	0,8831
Non Spin GPH	736,5	0,8147
Non Spin OSN	710,1	0,8449

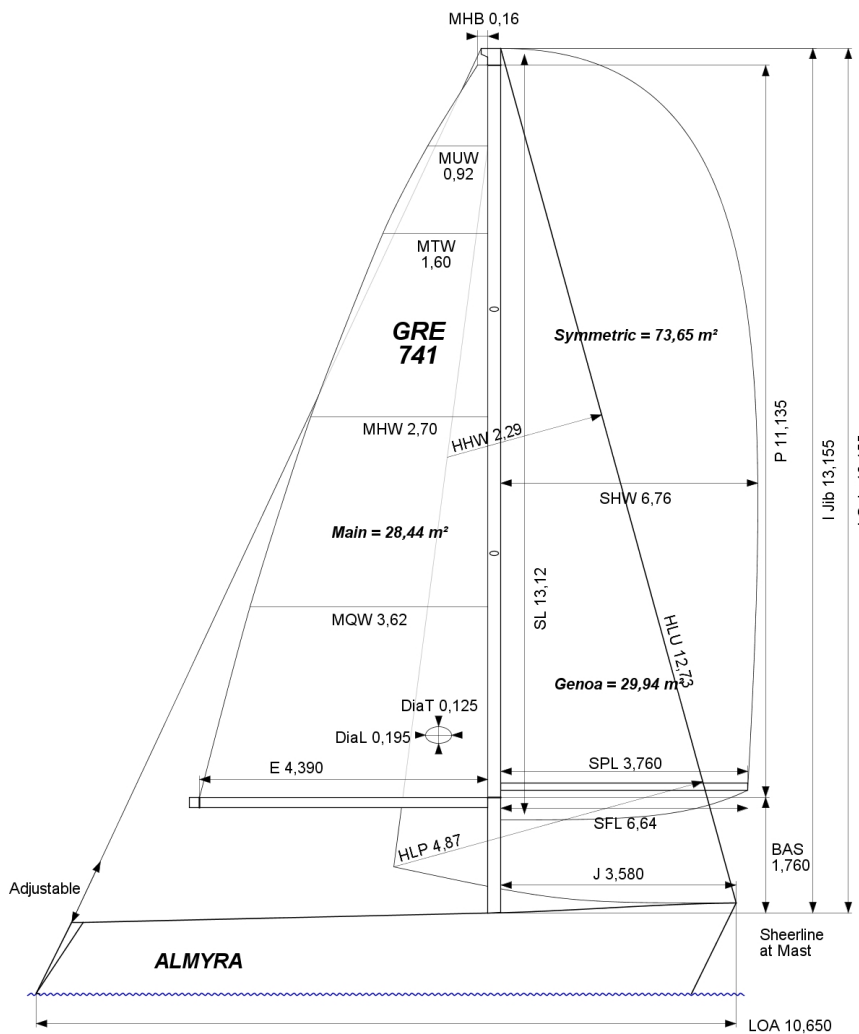
Sails Limitations
 Headsails **5** Spinnakers **3**

Spinnaker configuration
 Symmetric: **Yes** **73,65**
 Asymmetric: **No**
 Flying H/S: **No**
 Spin. Pole: **Yes**

Class Division Length
 CDL = **7,956**

Stability (Estimated)
 Limit Positive Stab.: **107,6°**
 Stability Index: **108,0**

Owner



BOAT	GPH	HULL
Name ALMYRA Sail Nr GRE-741	701,1	Data File GR741 LOA 10,650m Offset File SUNOD362.OFF MB 3,684m Displacement 5.930kg Draft 1,394m
CLASS Class SUN ODYSSEY 36.2 Designer JACQUES FAUROUX Builder JEANNEAU Series 01/1996 Age Date 02/1998 Age Allowance 0,487%		IMS Division Cruiser/Racer Dynamic All. 0,410% 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 9,652m VCGD 0,165m Sink 20,43kg/mm RL 6,259m VCGM 0,213m WS 26,37m² LSM0 9,704m Displacement/Length ratio 6,4894
PROPELLER Installation Shaft exposed PRD 0,440 Type Folding 2 blades PBW 0,109 PIPA 0,0053		Water Ballast 0 Trim Tab No BLR Index 0,0000
SCORING OPTIONS		CENTERBOARD N/A
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	678,1	763,5
Time on Time	0,8848	0,8841
Triple Number	Low Medium High	Low Medium High
Time on Distance	826,0 615,3 538,7	1071,4 772,5 654,4
Time on Time	0,8172 1,0970 1,2531	0,6300 0,8738 1,0315

BOAT	
Name ALMYRA	Sail Nr GRE-741
File GR741	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Club Estimated VCG			
Flotation date 01/01/2013		SG	
FFM	FF	1,372	SFFP 0,453
FAM	FA	1,083	SAFP 9,930
LCF from stem on CL / on sheer		6,158 / 6,425	
Maximum beam station from stem		6,890	
RM Measured		136,7kg·m	
RM Default		132,7kg·m	
Limit of positive stability / Stab.Index		107,6° / 108,0	
Freeboard at mast at 3,580		1,235	

RIG			
Forestay Tension Aft	Spreaders 2		
Inner Stay None Fitted	Runners 0		
Carbon Mast No	Jumper Struts None		
Taper Hollows No	Jib Furler No		
Fiber Rigging No	Main Furler No		
Lenticular Rigging No	Without Backstay No		
Articulated Bowsprit No			
P 11,135	E 4,390	MDT1 0,125	MW
IG 13,155	J 3,580	MDL1 0,195	GO
ISP 13,155	SFJ 0,000	MDT2 0,125	BD
BAS 1,760	SPL 3,760	MDL2 0,195	MWT
FSP -3,000	TPS	TL 0,000	MCG



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2018 Measurements Datasheet

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Shaft exposed	PRD	0,440	
Type Folding 2 blades	PBW	0,109	
Twin Screw No	PIPA	0,0053	
PSA 18,800	PHL 0,122	ST3 0,092	ESL 0,858
PSD 0,025	ST1 0,002	ST4 0,046	
PHD 0,080	ST2 0,075	ST5 0,220	

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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	0,160	0,92	1,60	2,70	3,62	28,44	KALATZIS	12/10/2015	KAKITSIS	Polyester	Mylar Tafeta					
HEADSAILS (2)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
2	0,04	0,54	1,10	2,29	3,54	4,87	12,73	136%	29,94			KALATZIS	20/02/2017	KAKITSIS	Pentex	
3	0,02	0,36	0,72	1,54	2,48	3,52	12,86	98%	21,09			ANTONO	23/09/2011		Dacron	
SYMMETRIC SPINNAKERS (2)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
2	13,12	13,12	13,12	6,76	6,64	73,65	KALATZIS	30/08/2014	KAKITSIS	Nylon						
1	12,60	12,60	12,60	6,47	6,14	67,24	ANTONOPOULO	23/09/2011		Nylon						
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				



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ORC Club Certificate Appendix

BOAT	
Name	ALMYRA
Sail Nr	GRE-741
Certificate Number	000199
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1280,7	1048,8	926,0	844,0	797,4	782,8	789,4
52°	818,1	682,2	604,5	555,0	532,1	523,9	522,9
60°	764,9	643,8	571,0	532,4	514,2	505,2	501,9
75°	726,4	613,9	547,6	516,5	499,3	487,6	475,0
90°	730,9	602,8	531,1	502,0	488,8	480,5	455,6
110°	714,2	586,9	521,4	492,8	472,2	453,1	429,6
120°	734,2	601,8	529,0	497,2	475,2	453,7	416,2
135°	807,3	653,6	561,6	514,6	489,9	469,1	427,3
150°	949,2	744,7	630,1	554,6	514,0	491,0	451,6
Run VMG	1096,0	859,9	725,9	635,6	570,9	525,6	480,2
Selected Courses							
Windward / Leeward	1188,4	954,3	825,9	739,8	684,2	654,2	634,8
Circular Random	984,8	787,2	679,0	614,9	575,5	550,8	524,2
Coastal / Long Distance	1179,1	893,1	736,6	636,4	582,1	546,6	492,8
Non Spinnaker	1048,4	832,3	712,6	640,7	595,9	567,5	536,5

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	45,6°	44,0°	43,5°	43,5°	43,2°	42,9°	43,6°
Beat VMG	2,81	3,43	3,89	4,27	4,51	4,60	4,56
52°	4,40	5,28	5,95	6,49	6,77	6,87	6,88
60°	4,71	5,59	6,30	6,76	7,00	7,13	7,17
75°	4,96	5,86	6,57	6,97	7,21	7,38	7,58
90°	4,93	5,97	6,78	7,17	7,37	7,49	7,90
110°	5,04	6,13	6,90	7,31	7,62	7,94	8,38
120°	4,90	5,98	6,80	7,24	7,58	7,93	8,65
135°	4,46	5,51	6,41	7,00	7,35	7,67	8,42
150°	3,79	4,83	5,71	6,49	7,00	7,33	7,97
Run VMG	3,28	4,19	4,96	5,66	6,31	6,85	7,50
Gybe Angles	146,8°	150,6°	152,9°	155,7°	171,9°	180,0°	180,0°