



World Leader in Rating Technology

2015 ORC Club Certificate

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

Certificate
 Number **001076**
 Issued On **17/3/2015**
 ORC Ref **GRE01003047**
 VPP Ver. **2015 1.01**
 Valid until **29/2/2016**

Crew Weight
 Declared **300kg**
 Default* **300kg**
 Non Manual Pwr **No**

Special Scoring

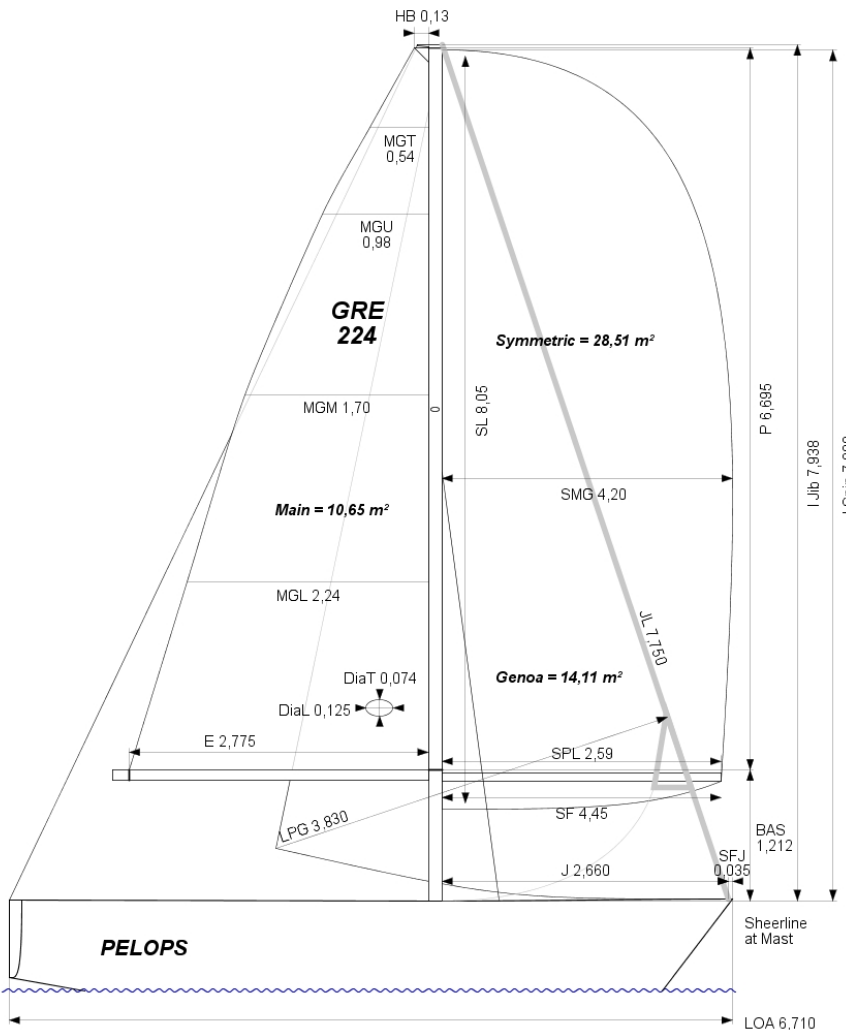
	ToD	ToT
Non Spin GPH	915,7	0,6552
Non Spin OSN	880,0	0,6819
N/S Perf. Line	38,0	0,507

Sails Limitations
 Headsails **1** Spinnakers **3**
Dacron Sails
Spinnaker configuration
 Symmetric: **Yes** **28,51**
 Asymmetric: **No**
 Flying H/S: **No**
 Spin. Pole: **Yes**

Class Division Length
 CDL = **4,738**

Stability
 LPS (Estimated): **110,2°**
 Stability Index: **104,5**
 OSR Category: **N/A**

Owner



BOAT		GPH		HULL				
Name	PELOPS	882,3	Data File	GR224.dxt	LOA	6,710m		
Sail Nr	GRE-224		Offset File	CIR22_CL.off	MB	2,460m		
			Displacement	1.552kg	Draft	1,093m		
			IMS Division	Cruiser/Racer	Dynamic All.	0,485%		
			Fwd Accom.	Yes	Construction	Solid		
			Fiber Rigging	No	Aramid Core	No		
			Crew Arm Ex		Carbon Rudder	No		
					Light Stanchions	No		
			IMSL	5,744m	VCGD	0,082m	Sink	7,86kg/mm
			RL	3,731m	VCGM	0,102m	WS	10,52m²
			Water Ballast	0	Trim Tab	No		
			COMMENTS					
			Builder's declared displacement + 82kg engine.					
			PROPELLER					
			Installation	Shaft non exposed	PRD	0,360		
			Type	Solid 3 blades	PIPA	0,0110		
			CENTERBOARD					
			N/A					
SCORING OPTIONS								
Time On Distance	OFFSHORE			INSHORE				
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD				
Time On Time	0,7045			0,7069				
Performance Line	PLT	PLD		PLT	PLD			
	0,544	55,1		0,504	111,8			
Triple Number	Low	Medium	High	Low	Medium	High		
	0,6435	0,8731	1,0123	0,4931	0,6975	0,8381		



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ORC Club Certificate Appendix

BOAT	
Name	PELOPS
Sail Nr	GRE-224
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1689,1	1378,7	1211,7	1093,2	1014,3	973,8	970,1
52°	1060,0	875,3	768,9	698,6	662,8	645,1	640,4
60°	972,4	810,6	713,0	663,3	638,3	621,7	612,2
75°	904,7	757,0	676,3	640,7	618,3	599,4	570,9
90°	907,4	741,3	658,9	623,3	597,2	581,6	560,7
110°	889,1	726,9	652,0	617,9	588,9	561,5	523,7
120°	916,2	747,7	662,0	626,4	598,2	570,6	524,8
135°	1027,6	825,5	702,9	647,3	616,5	588,9	539,7
150°	1179,8	922,2	776,0	684,0	640,1	611,7	559,9
Run VMG	1358,8	1049,2	872,2	752,9	678,0	638,3	585,0

Selected Courses							
Windward / Leeward	1524,0	1214,0	1041,9	923,0	846,1	806,1	777,5
Circular Random	1249,3	994,7	854,2	769,9	717,0	683,2	646,8
Ocean for PCS	1331,0	1038,0	871,4	767,8	699,5	652,2	591,1
Non Spinnaker	1306,6	1036,4	886,1	795,0	737,4	700,1	657,8

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	47,4°	46,2°	46,0°	46,3°	45,3°	44,5°	44,8°
Beat VMG	2,13	2,61	2,97	3,29	3,55	3,70	3,71
52°	3,40	4,11	4,68	5,15	5,43	5,58	5,62
60°	3,70	4,44	5,05	5,43	5,64	5,79	5,88
75°	3,98	4,76	5,32	5,62	5,82	6,01	6,31
90°	3,97	4,86	5,46	5,78	6,03	6,19	6,42
110°	4,05	4,95	5,52	5,83	6,11	6,41	6,87
120°	3,93	4,81	5,44	5,75	6,02	6,31	6,86
135°	3,50	4,36	5,12	5,56	5,84	6,11	6,67
150°	3,05	3,90	4,64	5,26	5,62	5,89	6,43
Run VMG	2,65	3,43	4,13	4,78	5,31	5,64	6,15
Gybe Angles	153,5°	168,0°	172,3°	173,4°	177,6°	179,1°	179,0°