



World Leader in Rating Technology

2017 ORC Club Certificate

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

Certificate
 Number **000111**
 Issued On **17/3/2017**
 ORC Ref **GRE01006837**
 VPP Ver. **2017 1.00**
 Valid until **28/2/2018**

Crew Weight
 Declared **862kg**
 Default* **885kg**
 Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	651,0	0,9217
Non Spin OSN	633,0	0,9478

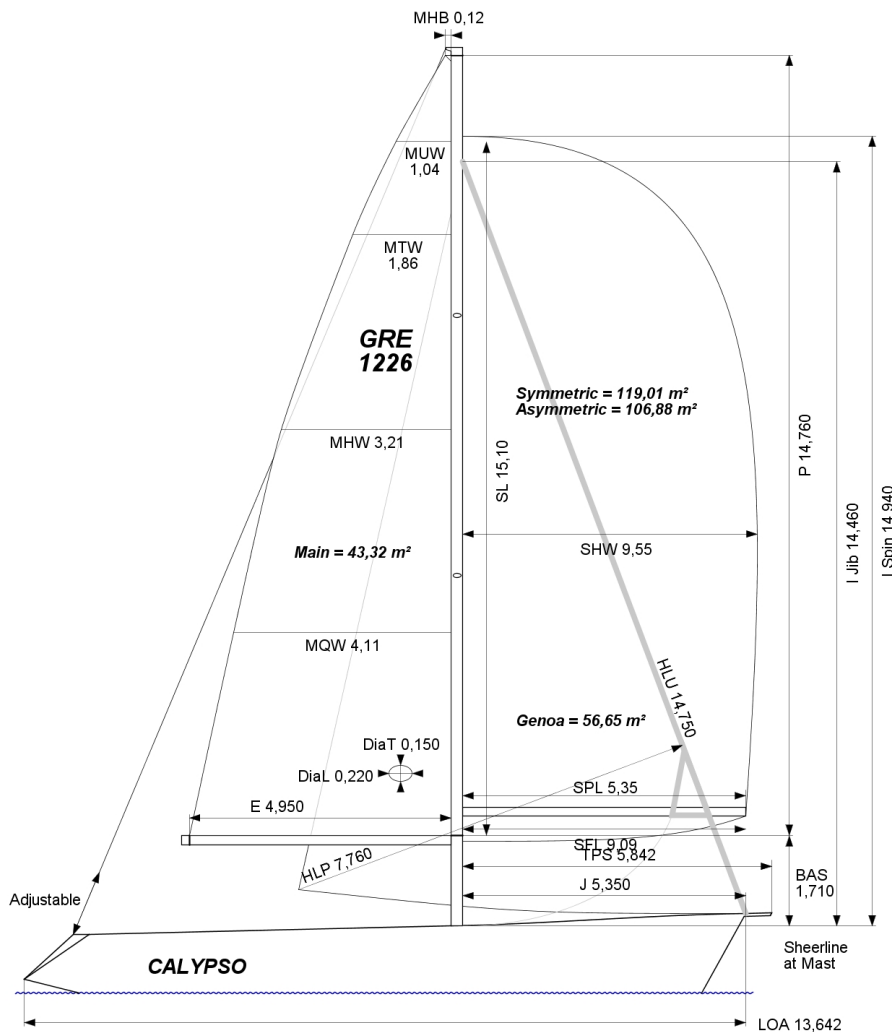
Sails Limitations
 Headsails **1** Spinnakers **4**

Spinnaker configuration
 Symmetric: **Yes** **119,01**
 Asymmetric: **Yes** **106,88**
 Flying H/S: **No**
 Spin. Pole: **Yes**

Class Division Length
 CDL = **9,859**

Stability (Estimated)
 Limit Positive Stab.: **110,7°**
 Stability Index: **115,0**

Owner



BOAT
 Name **CALYPSO**
 Sail Nr **GRE-1226**

GPH
626,0

HULL
 Data File **GR1226** LOA **13,642m**
 Offset File **BAV44SD.off** MB **4,152m**
 Displacement **9.659kg** Draft **1,597m**

CLASS
 Class **BAVARIA44**
 Designer **J&J**
 Builder **BAVARIA YACHTS**
 Series **01/2002**
 Age Date **04/2002**
 Age Allowance **0,487%**

IMS Division **Cruiser/Racer** Dynamic All. **0,363%**
 Fwd Accom. **Yes** Construction **Solid**
 Fiber Rigging **No** Aramid Core **No**
 Crew Arm Ex Carbon Rudder **No**
 Light Stanchions **No**

IMSL **12,024m** VCGD **0,077m** Sink **28,05kg/mm**
 RL **7,693m** VCGM **0,126m** WS **36,03m²**
 LSM0 **11,923m** Displacement/Length ratio **5,6987**

COMMENTS

Water Ballast **0** Trim Tab **No**

PROPELLER
 Installation **Strut** PRD **0,460**
 Type **Folding 3 blades** PBW **0,153**
 PIPA **0,0033**

CENTERBOARD
 N/A

SCORING OPTIONS

	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Low	Medium	High	Low	Medium	High
Time On Distance	608,8			691,3		
Time On Time	0,9856			0,9765		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	740,7	549,3	474,9	979,4	700,4	584,8
Time on Time	0,9113	1,2289	1,4215	0,6892	0,9638	1,1542

BOAT	
Name CALYPSO	Sail Nr GRE-1226
File GR1226	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Club Estimated VCG			
Flotation date 06/04/2013		SG 1,0260	
FFM 1,476	FF 1,476	SFFP 0,838	
FAM 1,101	FA 1,101	SAFP 12,412	
LCF from stem on CL / on sheer		7,414 / 7,686	
Maximum beam station from stem		8,097	
RM Measured		244,6kg·m	
RM Default		237,5kg·m	
Limit of positive stability / Stab.Index		110,7° / 115,0	
Freeboard at mast at 5,350		1,266	

RIG			
Forestay Tension Aft	Spreaders 2		
Inner Stay None Fitted	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 14,760	E 4,950	MDT1 0,150	MW 0,220
IG 14,460	J 5,350	MDL1 0,220	GO 0,220
ISP 14,940	SFJ 0,000	MDT2 0,150	BD 0,170
BAS 1,710	SPL 5,350	MDL2 0,220	MWT
FSP 0,080	TPS 5,842	TL 0,000	MCG



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2017 Measurements Datasheet

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0,460		
Type Folding 3 blades	PBW 0,153		
Twin Screw No	PIPA 0,0033		
ST1 0,047	ST3 0,174	ST5 0,255	
ST2 0,174	ST4 0,100	EDL 2,735	

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COMMENTS	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS INVENTORY																
MANSAL (2)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
2	0,117	1,04	1,86	3,21	4,11	43,32	EXINTAVELONI	11/05/2011	SAILLOFT	Pentex						
1	0,133	0,89	1,69	2,93	3,99	41,11	SPIRIDELI	05/03/2010	SAILLOFT	Dacron						
HEADSAILS (3)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
7	0,07	0,96	1,89	3,80	5,75	7,76	14,75	145%	56,66			SPIRIDEL	05/03/2010	SAILLOFT	Poly est	
2	0,06	0,92	1,83	3,72	5,70	7,76	14,69	145%	55,77			VAFIAS	08/10/2014	AP SAILS	Poly est	
1	0,08	0,95	1,88	3,80	5,78	7,82	14,45	146%	55,71			SPIRIDEL	05/03/2010	SAILLOFT	Dacron	
SYMMETRIC SPINNAKERS (2)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
8	15,10	15,10	15,10	9,55	9,09	119,01	SPIRIDELI	05/03/2010	SAILLOFT	Nylon	0.75oz					
1	16,24	16,24	16,24	8,59	8,66	116,44	PANDAS	10/08/2012		Nylon	MULTI COLOR					
ASYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
001	15,10	13,58	14,34	8,82	9,44	106,88	asym	VAFIAS	21/09/2015	AP SAILS	Poly ester					



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2017

ORC Club Certificate Appendix

BOAT	
Name	CALYPSO
Sail Nr	GRE-1226
Certificate Number	000111
Issued On	17/3/2017

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1154,1	942,6	830,6	761,3	721,2	699,9	685,4
52°	725,6	599,6	529,2	488,7	469,7	460,6	454,0
60°	666,1	555,7	493,7	463,9	449,2	442,1	435,9
75°	617,0	518,1	468,7	446,6	432,5	421,2	408,0
90°	611,4	513,4	464,4	441,2	425,4	414,0	389,6
110°	643,5	524,0	463,2	436,2	415,9	396,7	368,6
120°	663,4	538,6	470,3	440,1	419,9	399,7	362,2
135°	733,3	590,8	503,6	458,1	434,6	415,4	376,4
150°	885,0	692,1	577,5	501,9	459,7	437,0	400,6
Run VMG	1021,9	799,2	666,8	576,9	520,0	476,8	429,6

Selected Courses							
Windward / Leeward	1088,0	870,9	748,7	669,1	620,6	588,3	557,5
Circular Random	882,7	704,3	606,3	547,6	510,6	486,1	456,3
Ocean for PCS	1097,6	836,0	686,2	593,1	531,7	488,7	429,6
Non Spinnaker	926,2	735,6	630,0	566,4	526,1	499,6	467,7

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	47,1°	45,9°	45,6°	45,7°	44,9°	44,0°	44,4°
Beat VMG	3,12	3,82	4,33	4,73	4,99	5,14	5,25
52°	4,96	6,00	6,80	7,37	7,66	7,82	7,93
60°	5,40	6,48	7,29	7,76	8,01	8,14	8,26
75°	5,83	6,95	7,68	8,06	8,32	8,55	8,82
90°	5,89	7,01	7,75	8,16	8,46	8,70	9,24
110°	5,59	6,87	7,77	8,25	8,66	9,07	9,77
120°	5,43	6,68	7,65	8,18	8,57	9,01	9,94
135°	4,91	6,09	7,15	7,86	8,28	8,67	9,57
150°	4,07	5,20	6,23	7,17	7,83	8,24	8,99
Run VMG	3,52	4,50	5,40	6,24	6,92	7,55	8,38
Gybe Angles	144,6°	147,4°	148,5°	152,8°	159,6°	180,0°	180,0°