



World Leader in Rating Technology

2017 ORC Club Certificate

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

Certificate
Number **000268**
Issued On **15/3/2017**
ORC Ref **GRE01006833**
VPP Ver. **2017 1.00**
Valid until **28/2/2018**

Crew Weight
Declared **500kg**
Default* **630kg**
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	694,3	0,8642
Non Spin OSN	674,4	0,8897

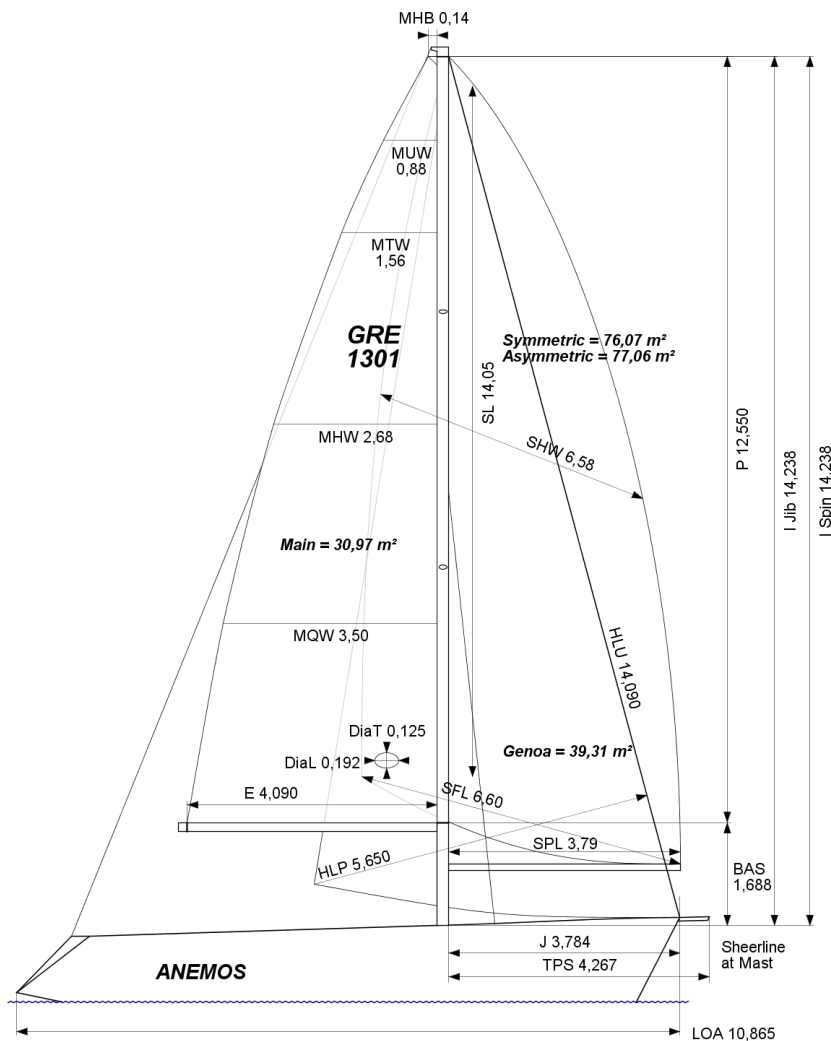
Sails Limitations
Headsails **5** Spinnakers **3**

Spinnaker configuration
Symmetric: **Yes** **76,07**
Asymmetric: **Yes** **77,06**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length
CDL = **8,192**

Stability (Estimated)
Limit Positive Stab.: **105,1°**
Stability Index: **104,2**

Owner



BOAT	GPH	HULL
Name ANEMOS Sail Nr GRE-1301	670,9	Data File GR1301 LOA 10,865m Offset File DUF36C.OFF MB 3,772m Displacement 5,879kg Draft 1,732m
CLASS Class DUFOUR 36 Classic Designer Builder DUFOUR Series 06/1999 Age Date 11/2000 Age Allowance 0,487%		IMS Division Cruiser/Racer Dynamic All. 0,338% Fwd Accom. Yes Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS ex "LYDIA"		IMSL 9,339m VCGD 0,142m Sink 20,19kg/mm RL 7,044m VCGM 0,250m WS 25,36m² LSM0 9,395m Displacement/Length ratio 7,0895
PROPELLER Installation Strut PRD 0,408 Type Feathering 3 blades PBW 0,107 PIPA 0,0032		Water Ballast 0 Trim Tab No
SCORING OPTIONS		CENTERBOARD N/A
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time On Distance	652,9	733,0
Time On Time	0,9189	0,9209
Triple Number	Low Medium High	Low Medium High
Time on Distance	775,0 593,2 524,1	1009,0 741,4 633,6
Time on Time	0,8710 1,1379 1,2880	0,6690 0,9105 1,0654

BOAT	
Name ANEMOS	Sail Nr GRE-1301
File GR1301	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS		
Inclining Test Club Estimated VCG		
Flotation date 13/05/2008	SG 1,0300	
FFM 1,374	FF 1,438	SFFP 0,217
FAM 1,080	FA 1,052	SAFP 9,665
LCF from stem on CL / on sheer		5,896 / 6,177
Maximum beam station from stem		6,600
RM Measured		152,9kg·m
RM Default		148,5kg·m
Limit of positive stability / Stab.Index		105,1° / 104,2
Freeboard at mast at 3,784		1,250

RIG			
Forestay Tension Fixed	Spreaders 2		
Inner Stay Fixed	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 12,550	E 4,090	MDT1 0,125	MW
IG 14,238	J 3,784	MDL1 0,192	GO
ISP 14,238	SFJ 0,000	MDT2	BD
BAS 1,688	SPL 3,790	MDL2	MWT
FSP -3,000	TPS 4,267	TL -3,000	MCG



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2017 Measurements Datasheet

MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD 0,408	
Type Feathering 3 blades	PBW 0,107	
Twin Screw No	PIPA 0,0032	
ST1 0,043	ST3 0,170	ST5 0,335
ST2 0,170	ST4 0,096	EDL 2,900

COMMENTS	
ex "LYDIA"	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

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SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0,140	0,88	1,56	2,68	3,50	30,97	KALATZIS	30/03/2013	QUANTUM	Pentex						
HEADSAILS (5)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1a	0,07	0,71	1,37	2,75	4,17	5,65	14,09	149%	39,32			KALATZIS	07/03/2017	QUANTUM	Pentex	No 1
3	0,05	0,68	1,35	2,72	4,14	5,64	14,10	149%	39,02			KALATZIS	01/12/2009	ZOUGANELI	Pentex	
4	0,07	0,61	1,18	2,43	3,79	5,29	13,97	140%	35,36			KALATZIS	30/03/2013	QUANTUM	Pentex	
1	0,08	0,64	1,23	2,48	3,77	5,16	13,45	136%	34,02			KALATZIS	12/09/2008	ZOUGANELI	Pentex	
2						4,12	13,62	109%	28,57			KALATZIS	18/03/2009	ZOUGANELI	Dacron	No 3
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	13,64	13,64	13,64	6,70	6,66	76,07	KALATZIS	18/03/2009	ZOUGANELI	Unknown						
ASYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
1	14,37	13,72	14,04	6,58	6,60	77,06	asym	KALATZIS	12/09/2008	ZOUGANELI	Unknown					

MEASUREMENT INVENTORY				
Measurer KALATZIS GRE-21				
Date 28/03/2009				
Comment				
Id	Item	Weight	Distance	VCG Description
2	Anchor	7,5	8,40	DANFORTH
4	Anchor	15,0	0,70	GQR
2	Chain	18,0	8,40	
4	Chain	164,0	0,70	
4	Foels	10,0	5,40	
Id	Item	Maker	Model	
1	Engine	VOLVO PENTA	MD 2030-C	
Id	Item	Weight	Description	

MEASUREMENT INVENTORY								
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condn	Description
3	Tank	WATER	PVC hard	160,0	2,20		0,0	
2	Tank	WATER	PVC HARD	160,0	6,80		0,0	
1	Tank	FUEL	PVC HARD	160,0	6,80		0,0	
Id	Item	Weight	Distance	VCG Description				
2	Battery	54,0	8,80	2 x 100 Ah				
1	Battery	34,0	8,80	2X60Ah				
2	Misc	15,0	1,30	ANCHOR WINDLASS (1000W)				
1	Misc	7,0	7,00	WATER HEATER (18L)				



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ORC Club Certificate Appendix

BOAT	
Name	ANEMOS
Sail Nr	GRE-1301
Certificate Number	000268
Issued On	15/3/2017

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1161,8	971,8	867,4	795,6	763,8	750,0	747,8
52°	746,7	631,8	564,3	530,3	516,6	511,0	508,2
60°	698,0	592,8	537,9	512,8	499,9	494,2	490,7
75°	657,5	561,5	519,8	498,9	483,7	471,7	461,2
90°	655,1	559,0	515,7	491,0	476,8	464,6	439,4
110°	683,4	566,0	513,6	488,3	466,7	445,8	421,2
120°	707,0	584,4	522,1	494,0	472,6	451,5	413,0
135°	783,1	640,5	554,1	512,0	488,5	467,8	427,6
150°	920,0	727,8	619,3	548,0	511,2	489,1	450,1
Run VMG	1062,3	839,9	712,7	625,4	561,8	520,4	477,0

Selected Courses							
Windward / Leeward	1112,0	905,9	790,0	710,5	662,8	635,2	612,4
Circular Random	928,4	748,4	650,8	593,4	557,9	535,1	508,2
Ocean for PCS	1143,3	881,7	733,0	641,2	581,2	539,5	481,8
Non Spinnaker	970,1	777,9	672,9	610,6	571,9	547,0	517,7

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	44,8°	43,5°	43,9°	43,3°	42,1°	41,5°	42,6°
Beat VMG	3,10	3,70	4,15	4,52	4,71	4,80	4,81
52°	4,82	5,70	6,38	6,79	6,97	7,04	7,08
60°	5,16	6,07	6,69	7,02	7,20	7,28	7,34
75°	5,48	6,41	6,93	7,22	7,44	7,63	7,81
90°	5,50	6,44	6,98	7,33	7,55	7,75	8,19
110°	5,27	6,36	7,01	7,37	7,71	8,08	8,55
120°	5,09	6,16	6,89	7,29	7,62	7,97	8,72
135°	4,60	5,62	6,50	7,03	7,37	7,70	8,42
150°	3,91	4,95	5,81	6,57	7,04	7,36	8,00
Run VMG	3,39	4,29	5,05	5,76	6,41	6,92	7,55
Gybe Angles	147,0°	151,2°	153,7°	157,2°	180,0°	180,0°	180,0°