



World Leader in Rating Technology

2017 ORC Club Certificate

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



Certificate

Number **001020**
Issued On **21/3/2017**
ORC Ref **GRE01006899**
VPP Ver. **2017 1.00**
Valid until **28/2/2018**

Crew Weight

Declared **663kg**
Default* **663kg**
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **735,7 0,8155**
Non Spin OSN **709,4 0,8457**

Sails Limitations

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

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

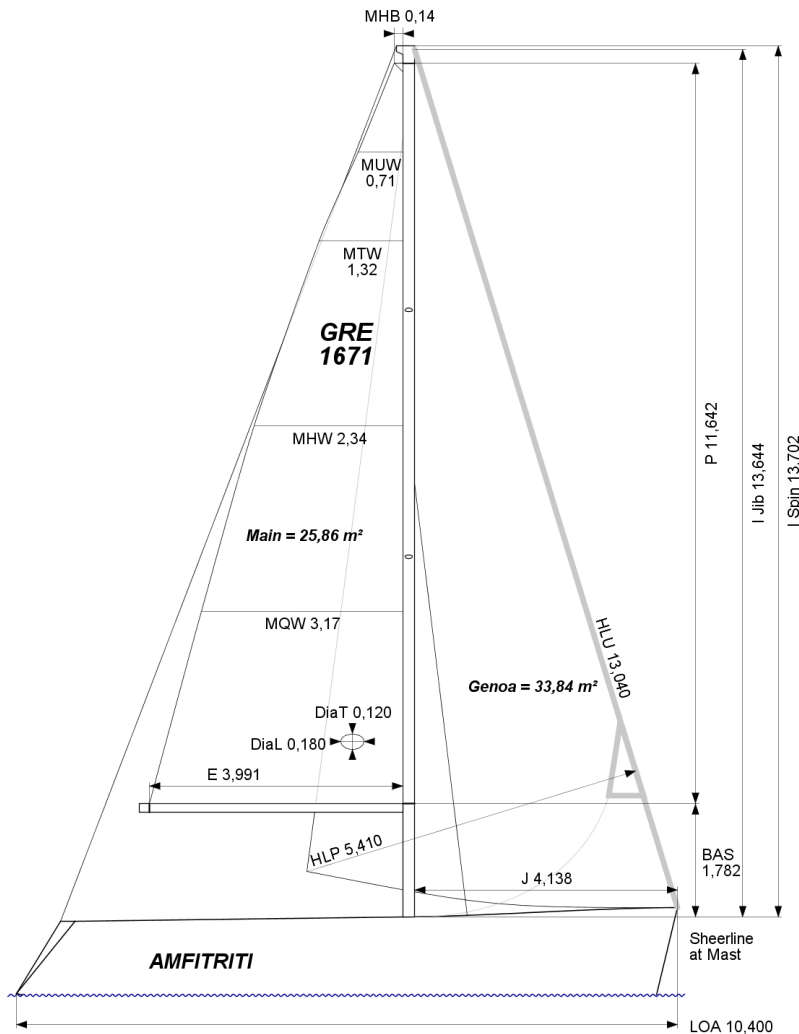
Class Division Length

CDL = 7,986

Stability (Estimated)

Limit Positive Stab.: **117,6°**
Stability Index: **118,2**

Owner



BOAT		GPH		HULL		
Name AMFITRITI Sail Nr GRE-1671		735,7		Data File GR1671	LOA 10,400m	
				Offset File JEAN35MK.OFF	MB 3,468m	
				Displacement 5,200kg	Draft 1,659m	
				IMS Division Cruiser/Racer	Dynamic All. 0,367%	
				Fwd Accom. Yes	Construction Solid	
				Fiber Rigging No	Aramid Core No	
				Crew Arm Ex	Carbon Rudder No	
					Light Stanchions No	
				IMSL 9,649m	VCGD 0,003m	Sink 18,74kg/mm
				RL 6,322m	VCGM 0,108m	WS 24,72m²
				LSM0 9,737m	Displacement/Length ratio 5,6328	
				Water Ballast 0	Trim Tab No	
CLASS		CENTERBOARD				
Class SUN ODYSSEY 35		N/A				
Designer						
Builder JEANNEAU						
Series 01/2002						
Age Date 01/2004						
Age Allowance 0,487%						
COMMENTS						
Builder's declared displacement.						
PROPELLER						
Installation Shaft exposed	PRD 0,410					
Type Solid 2 blades	PBW 0,146					
	PIPA 0,0187					
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	709,4			796,7		
Time On Time	0,8457			0,8473		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	891,3	640,4	545,2	1170,9	807,8	659,8
Time on Time	0,7573	1,0540	1,2380	0,5765	0,8356	1,0230

BOAT	
Name AMFITRITI	Sail Nr GRE-1671
File GR1671	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Club Estimated VCG			
Flotation date 31/03/2014		SG	
FFM	FF	1,364	SFFP 0,422
FAM	FA	1,157	SAFP 9,472
LCF from stem on CL / on sheer		5,917 / 6,157	
Maximum beam station from stem		7,404	
RM Measured		111,8kg·m	
RM Default		108,6kg·m	
Limit of positive stability / Stab.Index		117,6° / 118,2	
Freeboard at mast at 4,138		1,226	

RIG			
Forestay Tension Fixed	Spreaders 2		
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 11,642	E 3,991	MDT1 0,120	MW
IG 13,644	J 4,138	MDL1 0,180	GO
ISP 13,702	SFJ 0,000	MDT2	BD
BAS 1,782	SPL 4,138	MDL2	MWT
FSP	TPS	TL -3,000	MCG



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2017 Measurements Datasheet

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Shaft exposed	PRD	0,410	
Type Solid 2 blades	PBW	0,146	
Twin Screw No	PIPA	0,0187	
PSA 18,443	PHL 0,055	ST3 0,089	ESL 0,844
PSD 0,025	ST1 0,022	ST4 0,050	
PHD 0,040	ST2 0,075	ST5 0,210	

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COMMENTS	
Builder's declared displacement.	

MOVEABLE BALLAST	
N/A	



CENTERBOARD	
N/A	

SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
2	0,135	0,71	1,32	2,34	3,17	25,86	143	04/04/2016	AP SAILS	Dacron						
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
2	0,07	0,54	1,24	2,51	3,90	5,41	13,04	131%	33,85			VAFIAS	31/03/2014	QUANTUM	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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2017

ORC Club Certificate Appendix

BOAT	
Name AMFITRITI	Certificate Number 001020
Sail Nr GRE-1671	Issued On 21/3/2017

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1308,5	1057,4	924,4	839,8	784,0	763,5	758,5
52°	830,7	682,0	598,3	547,9	523,5	514,8	511,4
60°	768,4	637,6	561,1	524,4	506,0	496,7	492,5
75°	719,5	600,5	535,8	508,2	491,3	477,7	463,1
90°	721,0	601,7	535,1	506,1	488,5	471,5	444,0
110°	805,4	652,2	563,2	518,4	495,5	477,6	440,0
120°	864,7	692,4	593,6	533,1	504,1	485,0	448,1
135°	992,3	771,7	652,1	572,5	525,2	500,4	464,5
150°	1147,4	874,3	723,5	629,0	561,4	521,1	480,7
Run VMG	1319,1	998,4	815,4	700,2	620,1	560,5	500,3

Selected Courses							
Windward / Leeward	1313,7	1027,9	869,9	770,0	702,1	662,0	629,4
Circular Random	1056,7	834,7	711,2	636,6	589,8	559,8	526,1
Ocean for PCS	1311,7	987,5	802,2	687,9	614,0	563,8	499,4
Non Spinnaker	1056,7	834,7	711,2	636,6	589,8	559,8	526,1

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	45,8°	44,3°	43,8°	44,2°	43,2°	42,4°	42,3°
Beat VMG	2,75	3,40	3,89	4,29	4,59	4,72	4,75
52°	4,33	5,28	6,02	6,57	6,88	6,99	7,04
60°	4,69	5,65	6,42	6,86	7,11	7,25	7,31
75°	5,00	5,99	6,72	7,08	7,33	7,54	7,77
90°	4,99	5,98	6,73	7,11	7,37	7,64	8,11
110°	4,47	5,52	6,39	6,94	7,26	7,54	8,18
120°	4,16	5,20	6,06	6,75	7,14	7,42	8,03
135°	3,63	4,67	5,52	6,29	6,85	7,19	7,75
150°	3,14	4,12	4,98	5,72	6,41	6,91	7,49
Run VMG	2,73	3,61	4,42	5,14	5,81	6,42	7,20
Gybe Angles	157,6°	162,1°	168,0°	171,3°	172,6°	174,8°	178,9°