

BOAT Name ANATELOUSSA AFRODITI Sail Nr GRE-1282	GPH 643.5	HULL Length Overall 9.982m Maximum Beam 3.372m Displacement 4,583kg Draft 1.998m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.208% Fwd Accommodation Yes Hull Construction Solid Carbon Rudder No Crew Arm Extension
GENERAL Class FIRST 34.7 Designer FARR BRUCE Builder BENETEAU Series 02/2005 Age 12/2007 Age Allowance 0.422% Offset File F235.OFF - 29/07/2006 14:11:52 Measurement by DIAMA/SPIRID/EXINT - 25/03/2011		IMSL 9.100m VCGD -0.110m Sink 16.42kg/mm RL 8.042m VCGM -0.093m WS 22.07m² LSM0 8.948m Displacement/Length ratio 6.3969



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	625.1			701.2		
Time on Time	0.9598			0.9627		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	735.5	569.9	512.5	948.3	703.9	618.6
Time on Time	0.9177	1.1845	1.3171	0.7118	0.9590	1.0912

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1111.0	918.3	805.0	744.6	724.2	717.3	711.2
52°	732.1	613.2	548.9	522.9	511.9	508.0	505.6
60°	694.8	584.3	532.7	510.7	498.8	493.6	491.2
75°	666.8	564.5	521.8	500.4	485.0	473.1	462.4
90°	642.5	538.5	502.7	488.3	478.7	463.8	437.4
110°	634.9	531.9	495.0	469.5	447.6	434.9	414.9
120°	652.9	542.7	501.0	473.6	447.1	423.2	393.7
135°	722.2	587.8	521.9	491.9	466.1	440.2	391.8
150°	848.8	678.9	578.2	527.6	502.6	483.9	442.5
Run VMG	980.1	784.0	667.7	609.0	570.6	526.5	481.0

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Number **000759**
ORC Ref **GRE01010322**
Issued On **11/08/2018**
VPP Ver. **2018 1.00**
Valid until **28/02/2019**

Crew Weight

Default **587kg**
Maximum **580kg**
Minimum* **435kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	685.4	0.8754
Non Spin OSN	661.4	0.9072

Selected Courses							
Windward / Leeward	1045.6	851.1	736.3	676.8	647.4	621.9	596.1
Circular Random	883.8	714.2	624.1	572.7	541.6	521.5	495.8
Coastal / Long Distance	1039.0	798.1	664.3	590.3	553.1	521.6	472.2
Non Spinnaker	964.2	769.7	663.5	601.2	562.8	538.1	507.7

Sails Limitations

Headsails	Spinnakers
5	3

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	42.5°	41.1°	40.8°	39.3°	38.6°	39.0°	39.0°
Beat VMG	3.24	3.92	4.47	4.83	4.97	5.02	5.06
52°	4.92	5.87	6.56	6.88	7.03	7.09	7.12
60°	5.18	6.16	6.76	7.05	7.22	7.29	7.33
75°	5.40	6.38	6.90	7.19	7.42	7.61	7.79
90°	5.60	6.68	7.16	7.37	7.52	7.76	8.23
110°	5.67	6.77	7.27	7.67	8.04	8.28	8.68
120°	5.51	6.63	7.19	7.60	8.05	8.51	9.14
135°	4.98	6.12	6.90	7.32	7.72	8.18	9.19
150°	4.24	5.30	6.23	6.82	7.16	7.44	8.14
Run VMG	3.67	4.59	5.39	5.91	6.31	6.84	7.48
Gybe Angles	145.1°	148.1°	148.5°	150.2°	174.3°	177.0°	177.9°

Class Division Length

CDL = **8.572**

Storm Sails Areas

Heavy Weather Jib **23.64**
Storm Jib (JL=8.60) **8.76**
Storm Trysail **9.87**

Owner

BOAT	
Name ANATELOUSSA	Sail Nr GRE-1282
File GR1282	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 17/06/2017		SG 1.0280	
FFM 1.301	FF 1.300	SFFP 0.172	
FAM 1.046	FA 1.045	SAFP 9.530	
W1 64.0	PD1 245.0	WD 11.115	
W2 64.0	PD2 245.0	GSA 50.0	
W3 64.0	PD3 245.0	RSA 5542.0	
W4 64.0	PD4 245.0	PLM 2026.0	
LCF from stem on CL / on sheer		5.377 / 5.614	
Maximum beam station from stem		6.642	
RM Measured		102.0kg-m	
RM Default		98.0kg-m	
Limit of positive stability / Stab.Index		127.7° / 127.2	
Freeboard at mast at 3.668		1.165	



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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 12.680	E 4.450	MDT1 0.117	MW 0.171	
IG 13.179	J 3.668	MDL1 0.171	GO 0.186	
ISP 13.735	SFJ 0.000	MDT2 0.116	BD 0.099	
BAS 1.561	SPL	MDL2 0.142	MWT	
FSP 0.066	TPS 4.990	TL 0.597	MCG	

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.406		
Type Folding 2 blades	PBW 0.120		
Twin Screw No	PIPA 0.0033		
ST1 0.042	ST3 0.180	ST5 0.279	
ST2 0.180	ST4 0.112	EDL 1.775	

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COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



SAILS (Maximum Areas)									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0.175	0.90	1.61	2.80	3.73	33.15	33.76	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric Not Available									
Asymmetric	SLU	SLE	SL	SHW	SFL	Area	Formula		
	14.82	13.66	14.24	7.50	7.94	90.04	AS · (SFL + 4·SHW) / 6		

HEADSAILS												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
HHB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Fly	Meas.Date	Material	Comment
0.15	0.61	1.08	2.02	2.91	3.76	12.85	25.44	Y		06/07/2018	Dyneem	
0.07	0.39	0.76	1.60	2.49	3.51	12.55	20.92	Y		14/08/2015	Technor	#3

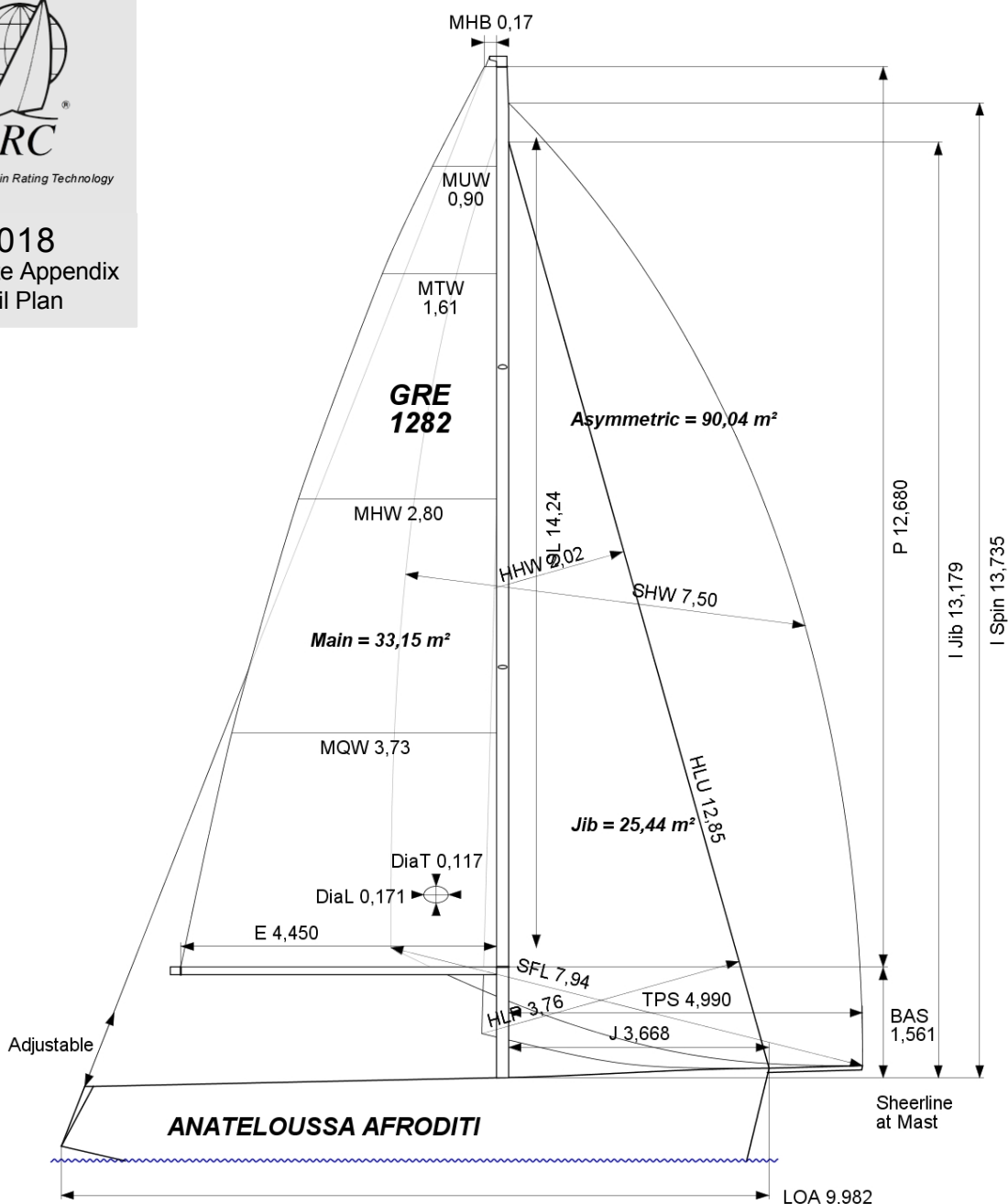
MEASUREMENT INVENTORY				
Measurer VOGIATZIS GRE-17				
Date 17/06/2017				
Comment				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
<i>Id</i>	<i>Item</i>	<i>Maker</i>	<i>Model</i>	
1	Engine	Yanmar	21 Hp	
<i>Id</i>	<i>Item</i>	<i>Weight Description</i>		

MEASUREMENT INVENTORY								
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn</i>	<i>Description</i>
1	Tank	Water	Plastic	100.0	4.40	-0.25	0-0	
2	Tank	Boiler	Inox	25.0	7.10	-0.25	0-0	
3	Tank	Diesel	Plastic	60.0	7.60	-0.25	0-0	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>				
1	Battery	25.0	3.30	-0.20 70 Ah				
2	Battery	22.0	3.50	-0.20 60 Ah				
3	Battery	22.0	3.70	-0.20 60 Ah				



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Sail Plan



SAILS INVENTORY

MAINSAIL (1)

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
4	0.175	0.90	1.61	2.80	3.73	33.15	AFENDRAS	26/07/2018	QUANTUM	Dyneema	

HEADSAILS (2)

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
6	0.15	0.61	1.08	2.02	2.91	3.76	12.85	103%	25.44	Y		AFENDR	06/07/2018	QUANTUM	Dyneem	
3	0.07	0.39	0.76	1.60	2.49	3.51	12.55	96%	20.92	Y		SPIRIDEL	14/08/2015	Quantum	Technor	#3

SYMMETRIC SPINNAKERS (0)

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
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ASYMMETRIC SPINNAKERS (4)

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
1	14.82	13.66	14.24	7.50	7.94	90.04	asym	SPIRIDELI	27/03/2010	Quantum	Nylon	0.5 white
4	15.03	13.29	14.16	7.42	8.47	90.03	asym	AFENDRAS	22/06/2016	Quantum	Nylon	0.6 white
2	15.20	13.05	14.13	7.68	7.30	89.51	asym	SPIRIDELI	27/03/2010	Quantum	Nylon	0.75 blue
3	13.85	12.76	13.30	5.97	7.50	69.59	asym	SPIRIDELI	26/03/2011	Quantum	Nylon	1.5 red