

BOAT Name ANATELOUSSA AFRODITI Sail Nr GRE-1282	GPH 642.0	HULL Length Overall 9.982m Maximum Beam 3.372m Displacement 4,583kg Draft 1.998m Plan Review IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.209% 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 0.487% Offset File F235.OFF - 29/07/2006 14:11:52 Measurement by - 25/03/2011		IMSLS 9.100m VCGD -0.110m Sink 16.42kg/mm RL 7.932m 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	625.7			703.7		
Time on Time	0.9590			0.9592		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	731.2	569.8	512.2	950.0	706.5	621.4
Time on Time	0.9231	1.1847	1.3179	0.7105	0.9554	1.0862

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1115.2	924.1	811.5	749.8	728.9	722.2	717.6
52°	726.6	613.6	551.5	524.6	513.2	509.3	507.4
60°	686.1	583.2	534.6	512.1	500.0	494.7	492.4
75°	643.6	546.3	512.7	499.7	486.1	474.1	463.3
90°	608.3	526.7	496.1	476.7	464.1	455.0	438.2
110°	622.7	531.1	495.4	469.8	446.7	426.3	398.7
120°	649.2	541.2	500.7	473.6	447.0	423.2	386.1
135°	719.7	586.1	521.4	491.5	465.5	439.7	391.1
150°	847.0	678.1	577.8	527.5	502.7	483.9	442.4
Run VMG	978.0	783.0	667.2	609.1	571.0	526.9	481.1

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Crew Weight
Default **587kg**
Maximum **560kg**
Minimum* **420kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

ToD	ToT
Non Spin GPH 686.6	0.8739
Non Spin OSN 663.5	0.9043

Selected Courses							
Windward / Leeward	1046.6	853.5	739.4	679.4	649.9	624.5	599.4
Circular Random	879.0	711.9	623.1	572.2	541.4	521.3	495.6
Coastal / Long Distance	1039.8	799.3	666.0	590.9	552.8	521.5	471.4
Non Spinnaker	964.5	770.6	664.8	602.5	564.1	539.4	510.3

Sails Limitations

Headsails	Spinnakers
5	4

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	42.9°	41.3°	40.9°	39.4°	39.0°	39.2°	39.4°
Beat VMG	3.23	3.90	4.44	4.80	4.94	4.98	5.02
52°	4.95	5.87	6.53	6.86	7.01	7.07	7.10
60°	5.25	6.17	6.73	7.03	7.20	7.28	7.31
75°	5.59	6.59	7.02	7.20	7.41	7.59	7.77
90°	5.92	6.84	7.26	7.55	7.76	7.91	8.22
110°	5.78	6.78	7.27	7.66	8.06	8.45	9.03
120°	5.54	6.65	7.19	7.60	8.05	8.51	9.32
135°	5.00	6.14	6.90	7.32	7.73	8.19	9.20
150°	4.25	5.31	6.23	6.82	7.16	7.44	8.14
Run VMG	3.68	4.60	5.40	5.91	6.31	6.83	7.48
Gybe Angles	145.0°	148.0°	148.5°	150.0°	174.0°	177.0°	178.0°

Class Division Length
CDL = **8.511**

Storm Sails Areas

Heavy Weather Jib	23.65
Storm Jib (JL=8.61)	8.76
Storm Trysail	9.88

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					97.6kg-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/Checkstays	0		
Carbon Mast	No	Jib Furler	No		
Fiber Rigging	No	Main Furler	No		
Non-Circular Rigging	No	Articulated Bowsprit No			
P	12.680	E	4.450	MDT1	0.117
IG	13.179	J	3.668	MDL1	0.171
ISP	13.735	SFJ	0.000	MDT2	0.116
BAS	1.561	SPL	0.000	MDL2	0.142
FSD	0.033	TPS	4.990	TL	0.597
				MW	0.171
				GO	0.186
				BD	0.099
				MWT	
				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
ST2	0.180	ST4	0.112
		ST5	0.279
		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	
	0.18	0.88	1.59	2.78	3.69	32.88	33.46	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric Not Available									
Asymmetric on centerline	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)												
HBB	HUW	HTW	HHW	HQW	HLP	HLU	Area	Btn	Flying	Meas.Date	Material	Comment
0.14	0.59	1.06	1.99	2.89	3.75	12.68	24.86	Y	No	24/07/2019	Dyneem	
0.07	0.39	0.76	1.60	2.49	3.51	12.55	20.92	Y	No	14/08/2015	Technor	#3

MEASUREMENT INVENTORY				
Measurer GRE-17				
Date 17/06/2017				
Comment				
Internal Ballast total = 0.0				
<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>		

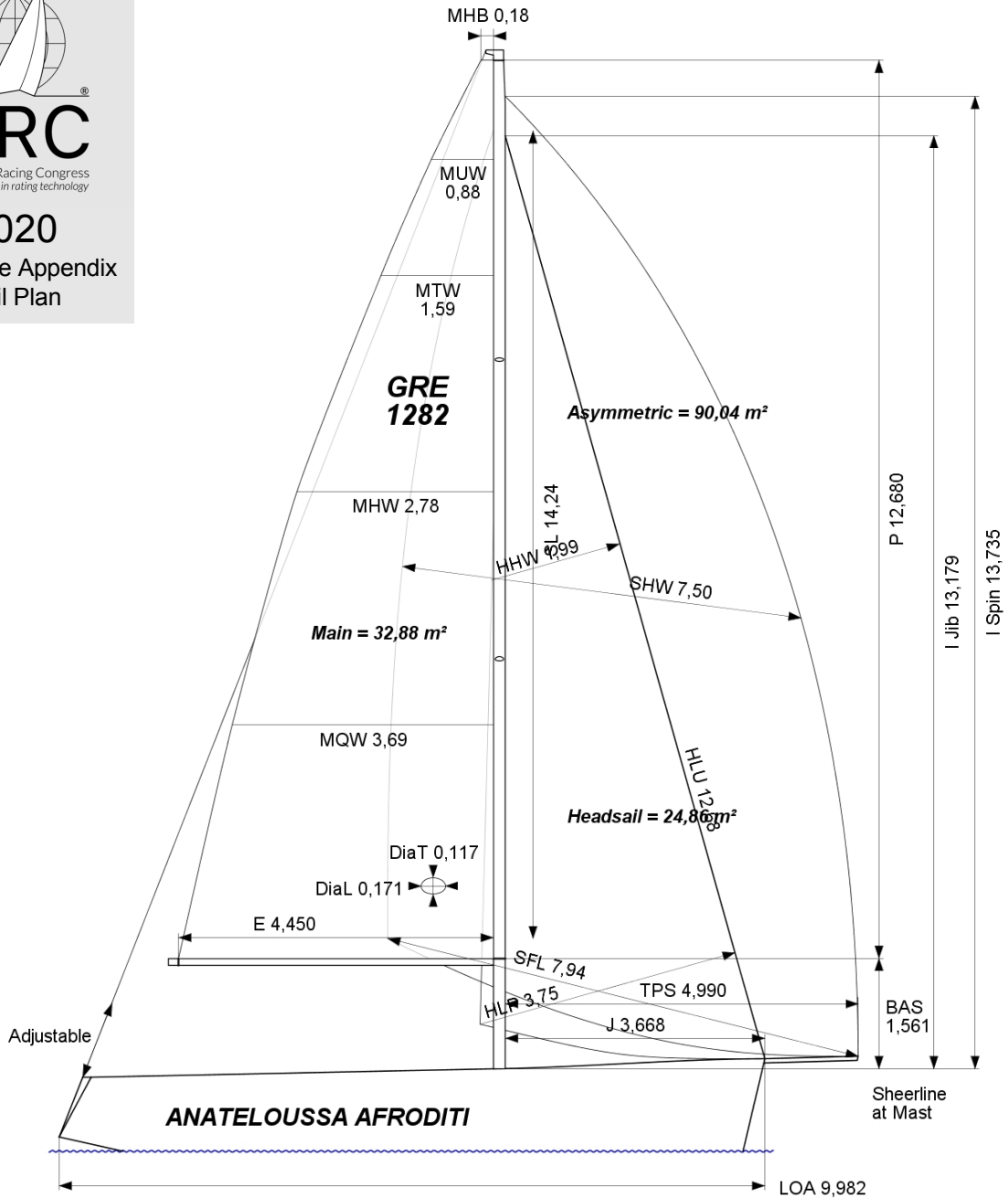
MEASUREMENT INVENTORY							
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG</i>	<i>Condtn Description</i>
1	Tank	Water	Plastic	100.0	4.40	-0.25	0-0
2	Tank	Boiler	Inox	25.0	7.10	-0.25	0-0
3	Tank	Diesel	Plastic	60.0	7.60	-0.25	0-0
<i>Id</i>	<i>Item</i>	<i>Weight</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	0.18	0.88	1.59	2.78	3.69	32.89		24/07/2019	QUANTUM	Dyneema						
HEADSAILS (2)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
6	0.14	0.59	1.06	1.99	2.89	3.75	12.68	102%	24.86	Y	No		24/07/2019	QUANTUM	Dyneem	
3	0.07	0.39	0.76	1.60	2.49	3.51	12.55	96%	20.92	Y	No		14/08/2015	Quantum	Technor	#3
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ASYMMETRIC SPINNAKERS (5)																
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	90.05	asym		27/03/2010	Quantum	Nylon	0.5 white				
4	15.03	13.29	14.16	7.42	8.47	90.04	asym		22/06/2016	Quantum	Nylon	0.6 white				
5	15.50	12.35	13.93	7.82	7.50	90.01	asym		05/08/2019	QUANTUM	Nylon					
2	15.20	13.05	14.13	7.68	7.30	89.51	asym		27/03/2010	Quantum	Nylon	0.75 blue				
3	13.85	12.76	13.31	5.97	7.50	69.59	asy80		26/03/2011	Quantum	Nylon	1.5 red				