

BOAT
Name IFIGENIA - A.HILIOS
Sail Nr GRE-204

GPH
723.9

HULL					
Length Overall	8.919 m				
Maximum Beam	3.014 m				
Displacement	3,002 kg				
Draft	1.626 m				
IMS Reg. Division	Cruiser/Racer				
Dynamic Allowance	0.227%				
Fwd Accommodation	Yes				
Hull Construction	Solid				
Carbon Rudder	No				
Crew Arm Extension					
IMS L	7.211	VCGD	-0.258	VCGM	-0.038
Sink	11.40 kg/mm	Wetted Area	15.96 m²		

GENERAL
Class SCAMPI 30
Designer PETER NORLIN
Builder ALBIN MARINE
Series 12/1969
Age 01/1971
Age Allowance 0.975%
Offset File SCAMPI.OFF - 24/9/2012 10:55:08
Measurement by SYRIGOU/AFENDRAS - 22/06/2006

SCORING OPTIONS						
	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
Time On Distance	692.7			785.9		
Time On Time	0.8662			0.8589		
Performance Line	PLT	PLD		PLT	PLD	
	0.758	126.0		0.775	242.4	
Triple Number	Low	Medium	High	Low	Medium	High
	0.7754	1.0024	1.1924	0.6282	0.8529	0.9821

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1233.8	1009.3	914.7	864.8	832.9	812.1	798.8
52°	783.3	665.1	614.1	588.7	575.3	566.7	558.2
60°	732.0	635.1	592.5	569.5	555.0	546.8	538.1
75°	696.6	613.6	575.9	552.2	534.3	521.0	509.7
90°	691.8	606.3	566.5	538.9	522.4	510.7	492.6
110°	711.3	607.6	564.3	534.1	508.9	491.3	470.7
120°	731.0	626.0	573.4	541.2	515.6	493.7	462.0
135°	839.8	677.3	601.3	563.0	534.4	510.2	471.4
150°	1004.6	775.1	657.4	596.7	561.9	534.5	490.7
Run VMG	1160.1	895.1	749.7	663.0	607.6	572.3	522.1
Selected Courses							
Windward / Leeward	1196.9	952.2	832.2	763.9	720.2	692.2	660.4
Circular Random	993.5	803.4	702.5	644.4	608.7	585.4	556.3
Ocean for PCS	1060.7	839.6	717.8	644.2	596.3	562.4	514.8
Non Spinnaker	1051.9	843.7	731.4	665.9	625.4	599.0	566.6

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	46.5°	43.4°	42.0°	40.9°	40.1°	39.5°	39.6°
Beat VMG	2.92	3.57	3.94	4.16	4.32	4.43	4.51
52°	4.60	5.41	5.86	6.11	6.26	6.35	6.45
60°	4.92	5.67	6.08	6.32	6.49	6.58	6.69
75°	5.17	5.87	6.25	6.52	6.74	6.91	7.06
90°	5.20	5.94	6.35	6.68	6.89	7.05	7.31
110°	5.06	5.92	6.38	6.74	7.07	7.33	7.65
120°	4.92	5.75	6.28	6.65	6.98	7.29	7.79
135°	4.29	5.32	5.99	6.39	6.74	7.06	7.64
150°	3.58	4.64	5.48	6.03	6.41	6.73	7.34
Run VMG	3.10	4.02	4.80	5.43	5.93	6.29	6.90
Gybe Angles	145.0°	149.3°	159.1°	165.6°	171.3°	173.9°	174.8°



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ORC International
Certificate

Rating Office

Offshore
Racing
Congress



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Certificate
Number 000698
ORC Ref GRE00052320
Issued On 3/4/2012
VPP Ver. 2012 1.01
Valid until 1/3/2013

Crew Weight
Declared 340 kg
Default* 430 kg
Non Manual Power No

Special Scoring
ToD ToT
D. Hand OSN 695.7 0.8624
Non Spin. OSN 723.5 0.8293
N/S Perf. Line 93.2 0.684

Sails Limitations		
Genoas 2	Jibs 2	Spinnakers 3
Spinnaker configuration Asymmetric-Pole		

Storm Sails Areas
Heavy Weather Jib 16.59
Storm Jib (JL=7.20) 6.14
Storm Trysail 5.89

Owner

BOAT			
Name	IFIGENIA - AHILIOS		Sail Nr GRE-204
File	GR204.dxt		Data in meters/kilograms

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	9.690	E	3.476	MDT1 0.103 TL
IG	10.983	J	3.275	MDL1 0.160 MWT
ISP	10.983	SFJ	0.440	MDT2 0.103 MCG
SPS	2.103	SPL	3.300	MDL2 0.160 CPW 1.820
BAS	0.943	TPS	3.715	MW 0.160 BD 0.110
BAL	0.152	FSP	0.064	GO 0.190 BWT

MIZZEN RIG AND SAILS				
N/A				

COMMENTS				

INCLINING TEST AND FREEBOARDS				
Inclining Test Current Inclining				
Flotation date	04/09/2007		SG	
FFM	0.932	FF	0.932	SFFP 0.477
FAM	0.686	FA	0.686	SAFP 8.651
W1	40.000	PD1	249.0	WD 9.220
W2	40.000	PD2	249.0	GSA 50.2
W3	40.000	PD3	249.0	RSA 5024.0
W4	40.000	PD4	249.0	PLM 2088.0
Max. beam station / LCF from stem				5.131 / 4.871
RM Measured / Default				53.6 / 46.3
Limit of positive stability				112.9°
Stability Index				109.7
Freeboard at mast at 3.715				0.827

PROPELLER				
Installation	Shaft		PRD	0.360
Type	Folding		PBW	0.096
Twin Screw	No		PIPA	0.0029
PSA	23.400	PHL	0.125	ST3 0.050 ESL 0.610
PSD	0.025	ST1	0.007	ST4 0.049
PHD	0.040	ST2	0.050	ST5 0.100

WATER BALLAST				
N/A				

CENTERBOARD				
N/A				

SAILS (Maximum Areas)									
Mainsail	HB	MGT	MGU	MGM	MGL	MSW	Area	Area (r)	Formula
	0.140	0.74	1.32	2.27	3.00	10.80	20.36	20.82	$P/8 \cdot (E + 2 \cdot MGL + 2 \cdot MGM + 1.5 \cdot MGU + MGT + 0.5 \cdot HB)$
Jib/Genoa	JH	JGT	JGU	JGM	JGL	JL	LPG		
	0.02	0.61	1.18	2.35	3.53	10.85	4.67	25.51	$0.1125 \cdot JL \cdot (1.445 \cdot LPG + 2 \cdot JGL + 2 \cdot JGM + 1.5 \cdot JGU + JGT + 0.5 \cdot JH)$
Symmetric	SL	SMG	SF						
	11.19	6.16	6.16					57.44	$SL \cdot (SF + 4 \cdot SMG) / 6$
Asymmetric	SLU	SLE	ASL	AMG	ASF				
	11.45	10.30	10.88	5.27	5.88			48.87	$ASL \cdot (ASF + 4 \cdot AMG) / 6$
Code Zero									
Not Available									

MEASUREMENT INVENTORY				
Measurer SYRIGOU				
Date 04/09/2007				
Comment				
Id	Item	Weight	Distance	VCG Description
2a	Anchor	4.0	4.00	BRUCE 2 Kgr &
2b	Anchor	12.6	4.00	BRUCE 5 Kgr &
4	Tools	8.0	5.45	
Id	Item	Maker	Model	
5	Engine	YANMAR	3YM30	
Id	Item	Weight	Description	

MEASUREMENT INVENTORY									
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description	
6a	Tank	WATER	PVN SOFT	160.0	4.55		0.0	EMPTY	
6b	Tank	WATER	PVC SOFT	150.0	4.85		0.0	EMPTY	
6c	Tank	FUEL	INOX	40.0	7.25		0.0	EMPTY	
Id	Item	Weight	Distance	VCG	Description				
3a	Battery	15.5	5.25						
9a	Misc	20.0	0.80		WINDLASS				
9b	Misc	11.0	0.48		FURLING				



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IMS Measurement Certificate

Certificate
 Number 000698
 ORC Ref GRE00052320
 Issued On 3/4/2012
 VPP Ver. 2012 1.01
 Valid until 1/3/2013

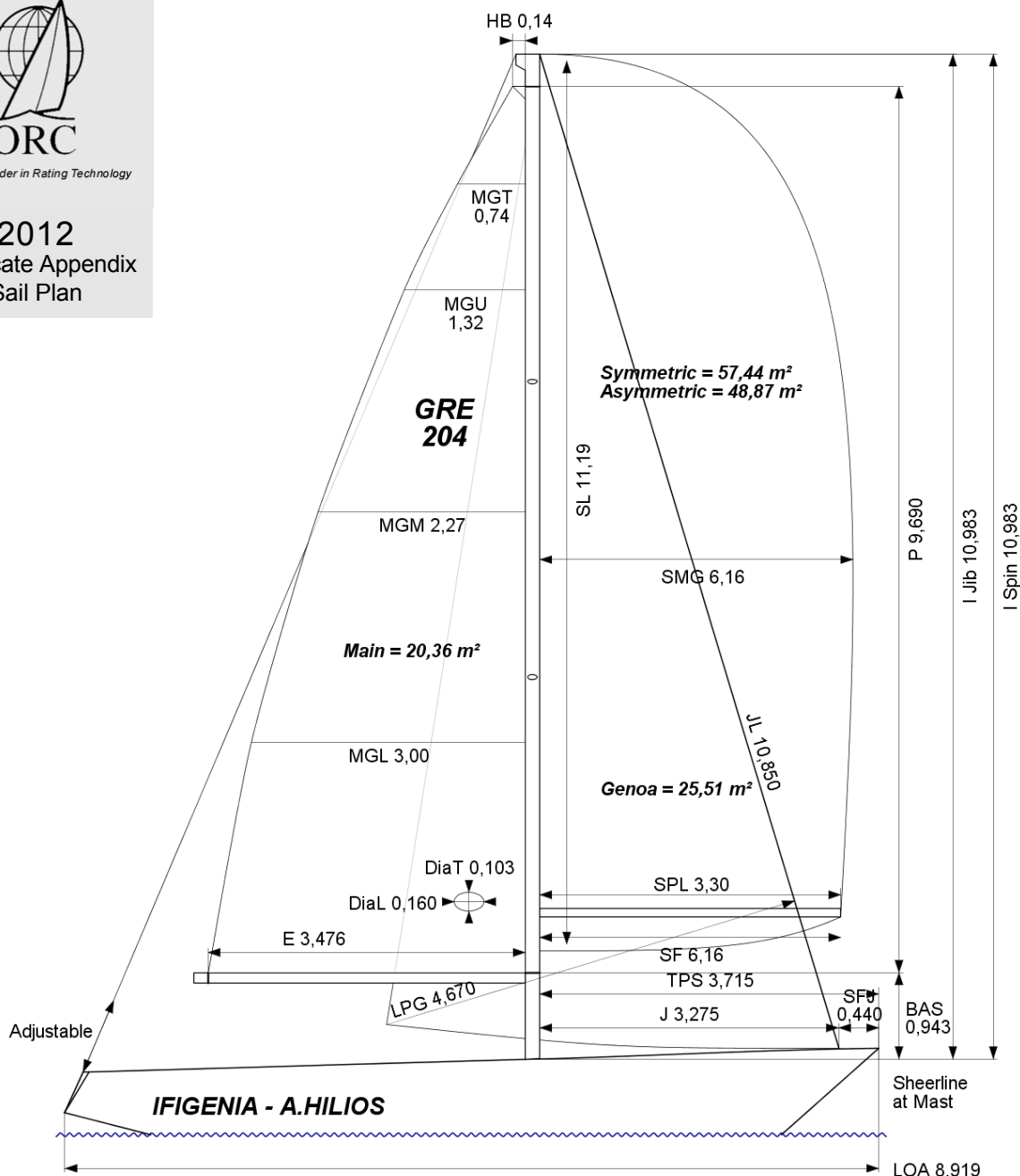


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2012 Certificate Appendix Sail Plan



SAILS INVENTORY

MAINSAIL

Id	HB	MGT	MGU	MGM	MGL	MSW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.140	0.74	1.32	2.27	3.00	10.80	20.36	AFENDRAS	30/06/2010	QUANTUM	Kevlar	

JIBS / GENOAS

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Measurer	Meas.Date	Manufacture	Material	Comment
2	0.02	0.61	1.18	2.35	3.53	4.67	10.85	143%	25.51	SYRIGOU	04/09/2008	QUANTUM	Kevlar	
1	0.02	0.59	1.14	2.27	3.43	4.63	10.90	141%	25.02	SYRIGOU	04/09/2008	QUANTUM	Kevlar	
3						3.03	11.19	93%	16.95	ANTONO	27/07/2002	KAKITSIS	Dacron	

SYMMETRIC SPINNAKERS

Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment
2	11.19	6.16	6.16	57.44	AFENDRAS	15/04/2011	Y/C	Nylon	
1	11.24	5.94	5.78	55.34	AFENDRAS	15/04/2011	Y/C	Nylon	

ASYMMETRIC SPINNAKERS

Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
1	11.45	10.30	10.88	5.27	5.88	48.87	asym	AFENDRAS	15/04/2011	QUANTUM	Nylon	