


BOAT
Name EMMANOUELA Sail Nr GRE-1006

GPH
797,6

HULL	Length Overall	8,205 m
	Maximum Beam	2,938 m
	Displacement	3.847 kg
	Draft	1,584 m
	IMS Reg. Division	Cruiser/Racer
	Dynamic Allowance	1,039%
	Fwd Accommodation	Yes
	Hull Construction	Solid
	Carbon Rudder	No
	Crew Arm Extension	
	IMS L	7,273 VCGD 0,011 VCGM -0,004
	Sink	12,63 kg/mm Wetted Area 18,62 m²



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GENERAL
Class MAXI 84
Designer PELE PETTERSON
Builder MAXI
Series 07/1979
Age 01/1981
Age Allowance 0,975%
Offset File G1091.BOF - 17/12/1989 18:44:00
Measurement by TSALTAS/THEODOSIS - 03/02/2006

SCORING OPTIONS						
	OFFSHORE			INSHORE		
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	797,6			866,4		
Time On Time	0,7523			0,7791		
Performance Line	PLT	PLD		PLT	PLD	
	0,634	80,8		0,612	161,7	
Triple Number	Low	Medium	High	Low	Medium	High
	0,7241	0,9605	1,1021	0,5576	0,7704	0,9132

Rating Office

Hellenic Sailing Federation
Offshore Committee
Επιτροπή
Ανοικτής Θαλάσσης
Ελληνικής
Ιστιοπλοϊκής Ομοσπονδίας



TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1424,7	1177,8	1039,0	953,4	908,5	879,9	851,7
52°	912,7	764,6	682,1	638,6	612,1	598,6	584,9
60°	856,8	718,0	652,2	612,3	587,3	573,5	560,9
75°	814,1	686,2	628,5	592,4	568,0	549,6	529,2
90°	815,9	675,2	609,9	574,1	557,5	546,3	521,8
110°	806,5	668,8	605,0	567,2	539,0	517,2	495,7
120°	834,4	685,9	617,4	576,4	547,2	523,3	487,1
135°	925,2	752,2	656,1	603,3	569,0	542,3	501,3
150°	1087,9	855,8	723,4	647,9	600,8	568,8	521,7
Run VMG	1256,1	983,8	828,0	721,9	657,3	612,1	554,9

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VPP Ver. 2011 1.02
Valid until 1/3/2012

Crew Weight
Declared 300 kg
Default* 467 kg
Non Manual Power No

Special Scoring	
ToD	ToT
Double Handed 799,2	0,7508
Non Spinnaker 832,9	0,7204
N/S Perf. Line 53,1	0,576

Selected Courses							
Windward / Leeward	1366,0	1097,3	945,4	850,2	792,1	754,2	711,1
Circular Random	1114,7	893,8	773,2	701,4	656,2	626,3	589,0
Ocean for PCS	1186,4	932,3	789,1	700,5	642,1	600,9	544,4
Non Spinnaker	1177,8	938,9	806,7	726,9	676,0	641,9	599,5

Sails Limitations		
Genoa's	Jibs	Spinnakers
2	2	3
Spinnaker configuration Symmetric		

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	45,3°	43,0°	43,9°	42,4°	41,0°	40,1°	39,5°
Beat VMG	2,53	3,06	3,46	3,78	3,96	4,09	4,23
52°	3,94	4,71	5,28	5,64	5,88	6,01	6,16
60°	4,20	5,01	5,52	5,88	6,13	6,28	6,42
75°	4,42	5,25	5,73	6,08	6,34	6,55	6,80
90°	4,41	5,33	5,90	6,27	6,46	6,59	6,90
110°	4,46	5,38	5,95	6,35	6,68	6,96	7,26
120°	4,31	5,25	5,83	6,25	6,58	6,88	7,39
135°	3,89	4,79	5,49	5,97	6,33	6,64	7,18
150°	3,31	4,21	4,98	5,56	5,99	6,33	6,90
Run VMG	2,87	3,66	4,35	4,99	5,48	5,88	6,49
Gybe Angles	146,3°	156,3°	158,9°	164,8°	170,2°	172,6°	174,7°

Storm Sails Areas
Heavy Weather Jib 14,79
Storm Jib (JL=6,80) 5,48
Storm Trysail 4,46

Owner

BOAT	
Name EMMANOUELA	Sail Nr GRE-1006
File GR1006.dxt	Data in meters/kilograms

RIG	
Forestay Tension Aft	Spreaders 1
Inner Forestay Adjustable	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 9,100	E 2,800 MDT1 0,112 TL 0,000
IG 10,466	J 3,470 MDL1 0,137 MWT
ISP 10,466	SFJ 0,130 MDT2 0,112 MCG
SPS 1,196	SPL 3,470 MDL2 0,137 CPW 1,790
BAS 1,126	TPS 0,058 MW 0,137 BD 0,110
BAL 0,152	FSP 0,058 GO 0,137 BWT

MIZZEN RIG AND SAILS	
N/A	

COMMENTS


INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 14/05/2006		SG 1,0280
FFM 1,005	FF 1,004	SFFP 0,870
FAM 0,859	FA 0,858	SAFP 8,114
W1 50,000	PD1 269,0	WD 8,670
W2 50,000	PD2 269,0	GSA 28,3
W3 50,000	PD3 269,0	RSA 5674,0
W4 50,000	PD4 269,0	PLM 2115,0
Maximum beam station from stem		4,861
RM Measured / Default		59,4 / 51,0
Limit of positive stability		116,8°
Stability Index		118,7
Freeboard at mast at 3,600		0,932

PROPELLER		
Installation Strut	PRD 0,335	
Type Folding	PBW 0,095	
Twin Screw No	PIPA 0,0013	
ST1 0,040	ST3 0,198 ST5 0,205	
ST2 0,190	ST4 0,095 EDL 0,099	

WATER BALLAST	
N/A	

CENTERBOARD	
N/A	


SAILS (Maximum Areas)									
Mainsail	HB	MGT	MGU	MGM	MGL	MSW	Area	Area (r)	Formula
	0,140	0,60	1,06	1,81	2,40	6,50	15,33	15,58	$P/8 \cdot (E + 2 \cdot MGL + 2 \cdot MGM + 1.5 \cdot MGU + MGT + 0.5 \cdot HB)$
Jib/Genoa	JH	JGT	JGU	JGM	JGL	JL	LPG		
	0,10	0,66	1,27	2,51	3,79	10,30	5,06	26,10	$0.1125 \cdot JL \cdot (1.445 \cdot LPG + 2 \cdot JGL + 2 \cdot JGM + 1.5 \cdot JGU + JGT + 0.5 \cdot JH)$
Symmetric	SL	SMG	SF						
	10,48	6,27	6,25					54,72	$SL \cdot (SF + 4 \cdot SMG) / 6$



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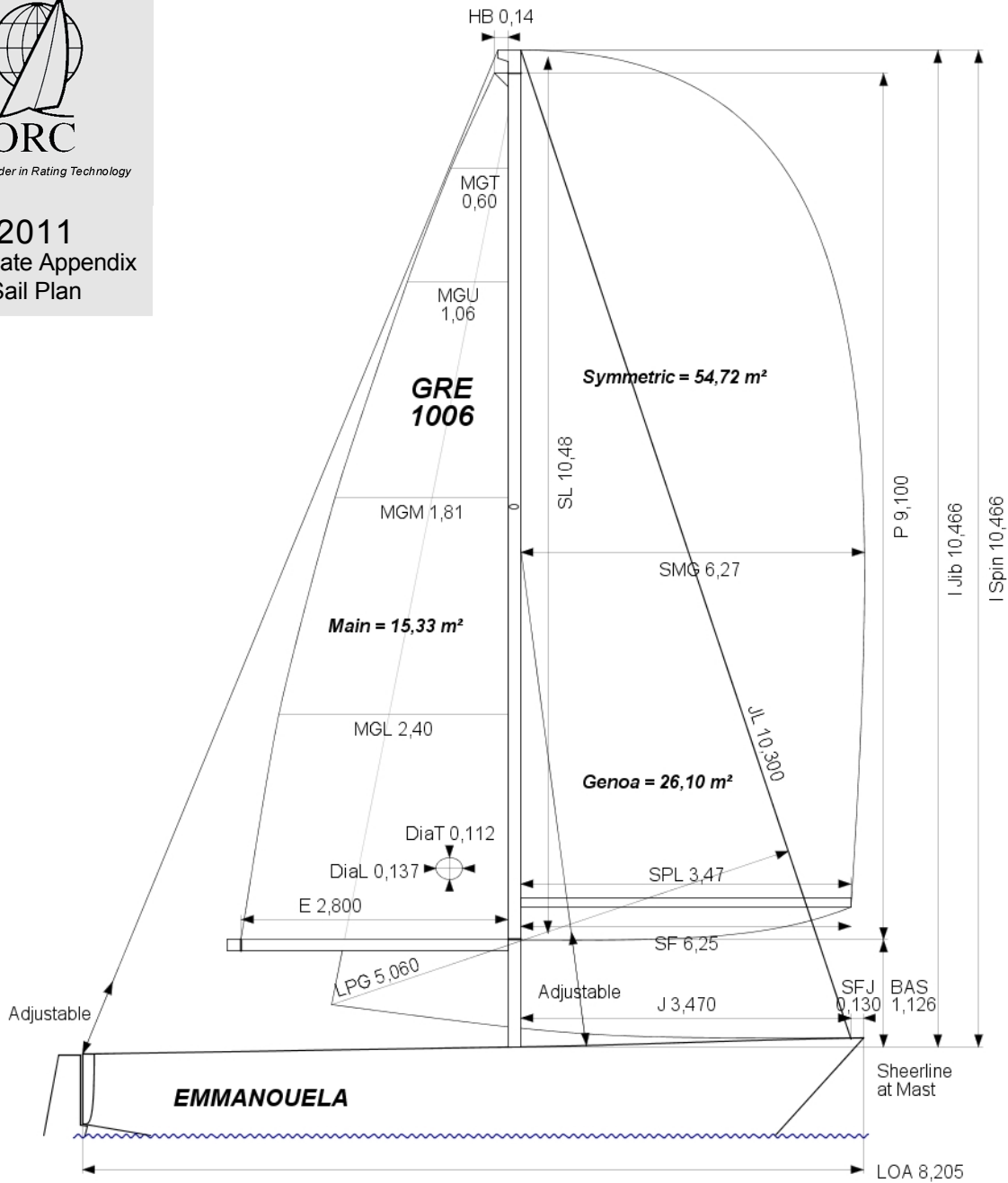
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Sail Plan



SAILS INVENTORY

MANSAL

Id	HB	MGT	MGU	MGM	MGL	MSW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	0,140	0,60	1,06	1,81	2,40	6,50	15,33					* Copied from legacy

JIBS / GENOAS

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Measurer	Meas.Date	Manufacture	Material	Comment
G1	0,10	0,66	1,27	2,51	3,79	5,06	10,30	146%	26,10	ASSIMAC	02/03/2009		Pentex	
J3		0,41	0,76	1,55	2,31	3,07	10,25	88%	15,80	ASSIMAC	02/03/2009		Unknown	

SYMMETRIC SPINNAKERS

Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	10,48	6,27	0,00	54,72					* Copied from legacy *

ASYMMETRIC SPINNAKERS

Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
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