

BOAT
Name CALYPSO II Sail Nr GRE-771

GPH
677,3

HULL					
Length Overall	11,414 m				
Maximum Beam	3,776 m				
Displacement	6.885 kg				
Draft	1,991 m				
IMS Reg. Division	Cruiser/Racer				
Dynamic Allowance	0,844%				
Fwd Accommodation	Yes				
Hull Construction	Solid				
Carbon Rudder	No				
Crew Arm Extension					
IMS L	9,646	VCGD	0,152	VCGM	0,204
Sink	20,00 kg/mm	Wetted Area	27,42 m²		



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GENERAL
Class DEHLER 38
Designer VAN DE STADT
Builder DEHLER
Series 03/1986
Age 11/1986
Age Allowance 0,975%
Offset File H104.BOF - 3/1/1994 13:11:00
Measurement by ASSIMAKOS - 10/05/2007

SCORING OPTIONS						
	OFFSHORE			INSHORE		
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	677,3			734,2		
Time On Time	0,8858			0,9193		
Performance Line	PLT	PLD		PLT	PLD	
	0,734	73,7		0,677	129,2	
Triple Number	Low	Medium	High	Low	Medium	High
	0,8445	1,1373	1,3010	0,6403	0,9132	1,0858

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	1202,5	969,3	834,6	775,4	741,7	720,3	704,7
52°	765,7	618,0	557,8	530,3	516,2	507,0	496,8
60°	706,9	582,1	536,8	511,2	496,8	488,4	478,7
75°	661,0	559,6	521,2	495,8	477,0	463,9	452,7
90°	670,1	564,6	519,5	490,8	474,5	462,3	436,6
110°	698,2	568,4	521,1	490,8	466,6	445,5	418,0
120°	733,0	586,8	532,0	500,1	475,3	453,7	416,8
135°	837,6	661,2	566,1	524,6	496,3	473,1	433,8
150°	997,0	773,9	640,7	563,4	524,7	497,4	455,1
Run VMG	1151,2	893,7	739,3	635,3	571,4	532,5	482,7

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Selected Courses							
Windward / Leeward	1196,3	943,7	799,6	715,3	664,9	633,7	599,3
Circular Random	954,6	760,9	655,6	593,7	555,4	530,3	498,9
Ocean for PCS	1019,5	795,5	670,1	593,8	544,1	509,3	460,8
Non Spinnaker	995,7	788,9	675,5	608,4	566,7	539,5	506,4

Crew Weight	
Declared	480 kg
Default*	656 kg
Non Manual Power	No

Special Scoring		
	ToD	ToT
Double Handed	679,1	0,8835
Non Spinnaker	698,7	0,8588
N/S Perf. Line	53,6	0,683

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	44,9°	44,4°	43,0°	40,5°	38,9°	37,9°	37,7°
Beat VMG	2,99	3,71	4,31	4,64	4,85	5,00	5,11
52°	4,70	5,83	6,45	6,79	6,97	7,10	7,25
60°	5,09	6,19	6,71	7,04	7,25	7,37	7,52
75°	5,45	6,43	6,91	7,26	7,55	7,76	7,95
90°	5,37	6,38	6,93	7,34	7,59	7,79	8,25
110°	5,16	6,33	6,91	7,33	7,72	8,08	8,61
120°	4,91	6,13	6,77	7,20	7,57	7,93	8,64
135°	4,30	5,44	6,36	6,86	7,25	7,61	8,30
150°	3,61	4,65	5,62	6,39	6,86	7,24	7,91
Run VMG	3,13	4,03	4,87	5,67	6,30	6,76	7,46
Gybe Angles	145,0°	149,1°	150,9°	161,6°	173,7°	176,6°	177,2°

Sails Limitations		
Genoas	Jibs	Spinnakers
1	0	3
Spinnaker configuration Symmetric		

Storm Sails Areas	
Heavy Weather Jib	22,63
Storm Jib (JL=8,42)	8,38
Storm Triesail	11,29

Owner

BOAT	
Name CALYPSO II	Sail Nr GRE-771
File GR771.dxt	Data in meters/kilograms

RIG				
Forestay Tension Aft	Spreaders 2			
Inner Forestay None Fitted	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 12,900	E 5,000	MDT1 0,120	TL 0,000	
IG 12,947	J 4,100	MDL1 0,165	MWT	
ISP 12,981	SFJ 0,000	MDT2 0,120	MCG	
SPS 2,550	SPL 3,980	MDL2 0,165	CPW 2,990	
BAS 1,657	TPS	MW 0,165	BD 0,220	
BAL 0,152	FSP 0,062	GO 0,165	BWT	

MIZZEN RIG AND SAILS	
N/A	

COMMENTS


INCLINING TEST AND FREEBOARDS		
Inclining Test Current Inclining		
Flotation date 10/05/2007	SG 1,0270	
FFM 1,193	FF 1,192	SFFP 0,343
FAM 0,960	FA 0,960	SAFP 10,031
W1 75,000	PD1 299,0	WD 11,820
W2 75,000	PD2 299,0	GSA 50,3
W3 75,000	PD3 299,0	RSA 7854,0
W4 75,000	PD4 299,0	PLM 2583,0
Maximum beam station from stem		6,870
RM Measured / Default		133,2 / 139,1
Limit of positive stability		103,1°
Stability Index		104,8
Freeboard at mast at 4,100		1,059

PROPELLER		
Installation Shaft	PRD 0,440	
Type Folding	PBW 0,113	
Twin Screw No	PIPA 0,0103	
PSA 20,500	PHL 0,132	ST3 0,120 ESL 1,138
PSD 0,030	ST1 0,330	ST4 0,061
PHD 0,090	ST2 0,120	ST5 0,285

WATER BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS (Maximum Areas)										
Mainsail	HB	MGT	MGU	MGM	MGL	MSW	Area	Area (r)	Formula	
	0,125	1,02	1,86	3,19	4,12	16,00	37,88	38,77	P/8 · (E + 2·MGL + 2·MGM + 1.5·MGU + MGT + 0.5·HB)	
Jib/Genoa	JH	JGT	JGU	JGM	JGL	JL	LPG			
	0,00	0,77	1,53	3,07	4,60	12,40	6,13	38,01	0.1125·JL·(1.445·LPG+2·JGL+2·JGM+1.5·JGU+JGT+0.5·JH)	
Symmetric	SL	SMG	SF							
	11,95	7,32	6,90				72,06		SL · (SF + 4·SMG) / 6	




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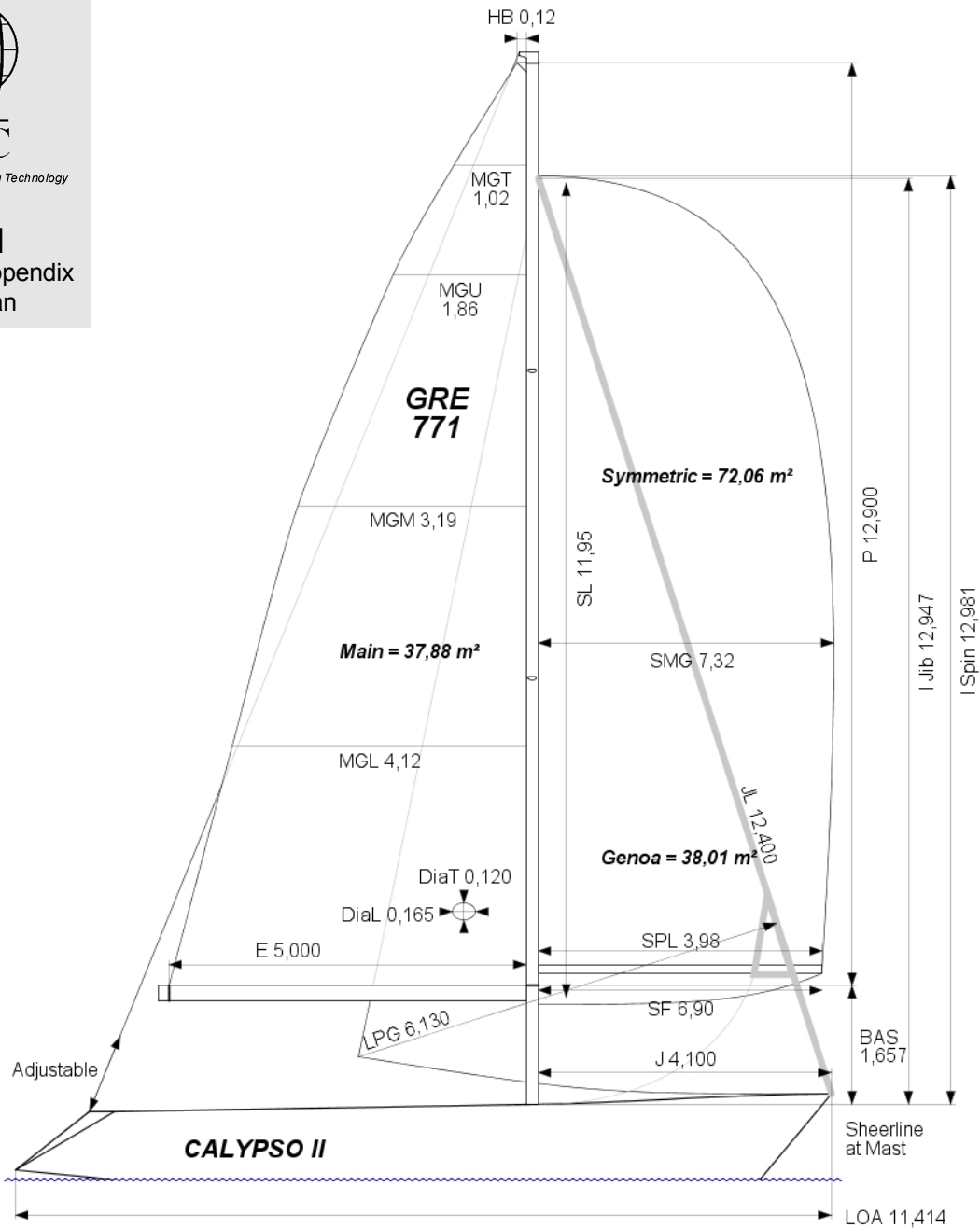
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Sail Plan



SAILS INVENTORY

MANSAL														
Id	HB	MGT	MGU	MGM	MGL	MSW	Area	Measurer	Meas.Date	Manufacture	Material	Comment		
ORC	0,130	0,98	1,78	3,12	4,19	23,00	37,63					* Copied from legacy		
1	0,125	1,02	1,86	3,19	4,12	16,00	37,88	GIAPANTZIS	23/06/2010	SAILLOFT	Pentex			
JIBS / GENOAS														
Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Overlp	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC						6,13	12,40	150%	38,01					* Copied from
SYMMETRIC SPINNAKERS														
Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ORC	11,95	7,32	6,90	72,06					* Copied from legacy					
ASYMMETRIC SPINNAKERS														
Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment		