



World Leader in Rating Technology

2017 ORC Club Certificate

Rating Office
Hellenic Sailing Federation
Offshore Committee
Επιτροπή
Ανοικτής Θαλάσσης
Ελληνικής
Ιστιοπλοϊκής Ομοσπονδίας



Certificate
 Number **001078**
 Issued On **17/3/2017**
 ORC Ref **GRE01006840**
 VPP Ver. **2017 1.00**
 Valid until **28/2/2018**

Crew Weight
 Declared **380kg**
 Default* **451kg**
 Non Manual Pwr **No**

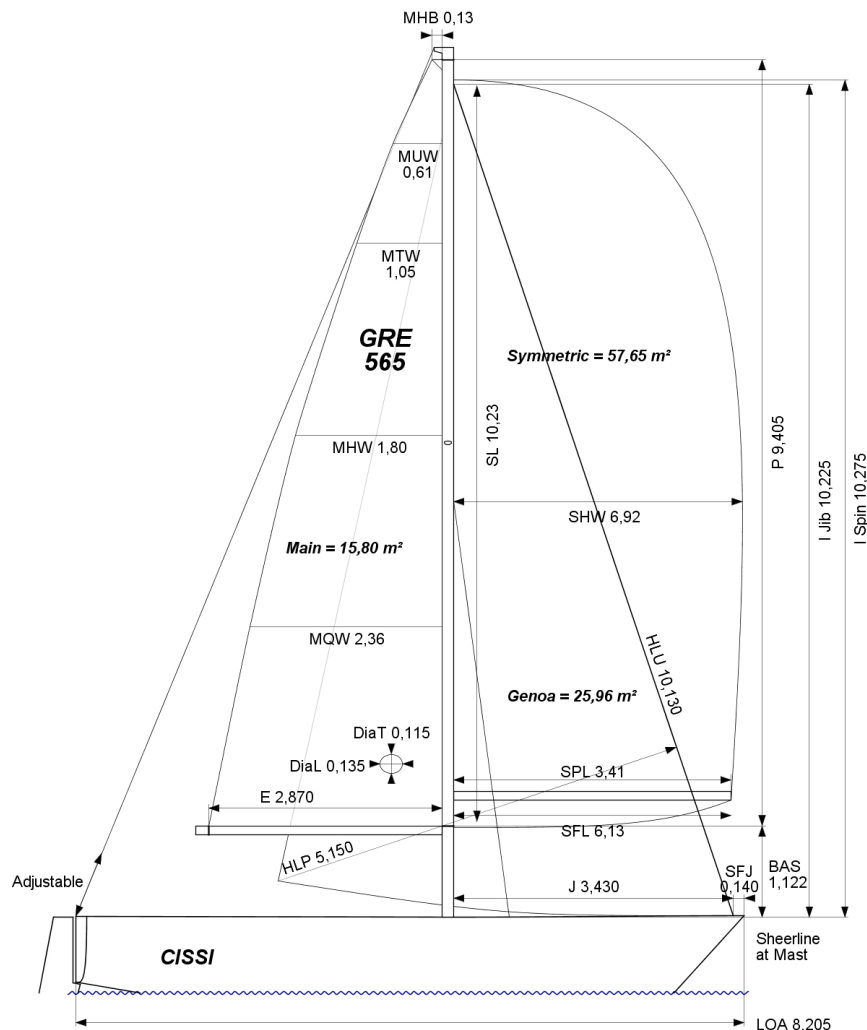
Special Scoring
 ToD ToT
 Non Spin GPH **804,0 0,7463**
 Non Spin OSN **776,8 0,7724**

Sails Limitations
 Headsails **5** Spinnakers **3**
Dacron Sails
Spinnaker configuration
 Symmetric: **Yes 57,65**
 Asymmetric: **No**
 Flying H/S: **No**
 Spin. Pole: **Yes**

Class Division Length
CDL = 6,238

Stability (Estimated)
 Limit Positive Stab.: **115,2°**
 Stability Index: **116,2**

Owner



BOAT Name CISSI Sail Nr GRE-565		GPH 771,7	HULL Data File GR565 LOA 8,205m Offset File G1091.BOF MB 2,938m Displacement 3.600kg Draft 1,569m			
CLASS Class Maxi 84 Designer Pelle Petterson Builder Maxi/Boerjesson Series 09/1979 Age Date 09/1979 Age Allowance 0,487%		IMS Division Cruiser/Racer Dynamic All. 0,592% Fwd Accom. Yes Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No		IMSL 7,267m VCGD 0,041m Sink 12,09kg/mm RL 5,208m VCGM 0,045m WS 18,01m² LSM0 7,429m Displacement/Length ratio 8,7803		
COMMENTS Builder's declared displacement.		Water Ballast 0 Trim Tab No				
PROPELLER Installation Strut PRD 0,380 Type Folding 2 blades PBW 0,100 PIPA 0,0028		CENTERBOARD N/A				
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	748,4			835,2		
Time On Time	0,8017			0,8082		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	899,2	680,4	597,1	1163,4	845,5	713,3
Time on Time	0,7507	0,9921	1,1304	0,5802	0,7983	0,9463

BOAT	
Name CISSI	Sail Nr GRE-565
File GR565	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Club Estimated VCG			
Flotation date 01/01/2013		SG	
FFM	FF 0,946	SFFP	0,870
FAM	FA 0,943	SAFP	8,114
LCF from stem on CL / on sheer		4,785 / 4,986	
Maximum beam station from stem		4,861	
RM Measured		51,6kg·m	
RM Default		50,1kg·m	
Limit of positive stability / Stab.Index		115,2° / 116,2	
Freeboard at mast at 3,570		0,928	

RIG			
Forestay Tension Aft	Spreaders 1		
Inner Stay Fixed	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 9,405	E 2,870	MDT1 0,115	MW
IG 10,225	J 3,430	MDL1 0,135	GO
ISP 10,275	SFJ 0,140	MDT2	BD 0,110
BAS 1,122	SPL 3,410	MDL2	MWT
FSP -3,000	TPS	TL -3,000	MCG



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2017 Measurements Datasheet

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD	0,380	
Type Folding 2 blades	PBW	0,100	
Twin Screw No	PIPA	0,0028	
ST1 0,041	ST3 0,200	ST5 0,215	
ST2 0,200	ST4 0,096	EDL 1,340	

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COMMENTS	
Builder's declared displacement.	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0,130	0,61	1,05	1,80	2,36	15,80	VOGIATZIS	07/02/2015		Dacron						
HEADSAILS (3)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1	0,04	0,67	1,30	2,53	3,82	5,15	10,13	150%	25,96			VOGIATZI	07/02/2015		Dacron	
3						4,31	9,96	126%	21,85			VOGIATZI	04/02/2017	DeVries	Dacron	Genoa #2
2						3,40	7,82	99%	13,53			VOGIATZI	28/05/2016	Reckman	Dacron	
SYMMETRIC SPINNAKERS (3)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
3	10,23	10,23	10,23	6,92	6,13	57,65	VOGIATZIS	04/02/2017	DAN sails	Nylon						
2	10,22	10,21	10,21	6,14	6,13	52,25	VOGIATZIS	28/05/2016	Performance	Nylon						
1	10,21	10,21	10,21	5,92	6,07	50,62				Nylon						
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				



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ORC Club Certificate Appendix

BOAT	
Name	CISSI
Sail Nr	GRE-565
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1362,4	1132,5	1010,7	925,3	871,8	846,4	833,0
52°	880,6	744,5	661,0	616,3	594,3	584,3	578,5
60°	827,2	701,5	628,4	595,9	577,8	566,4	559,0
75°	784,5	664,9	606,1	580,4	562,9	548,1	527,8
90°	786,3	662,8	593,8	566,1	555,8	544,2	514,6
110°	782,8	646,0	586,8	558,4	533,7	513,3	494,8
120°	806,4	660,9	593,2	563,2	538,6	514,0	478,2
135°	904,0	728,3	620,2	579,3	554,3	530,6	487,0
150°	1044,2	826,9	693,7	612,5	578,0	554,9	511,3
Run VMG	1205,8	952,8	799,5	694,0	624,7	586,0	541,2

Selected Courses							
Windward / Leeward	1284,1	1042,7	905,1	809,7	748,2	716,2	687,1
Circular Random	1074,6	863,4	748,2	680,0	637,7	610,3	577,8
Ocean for PCS	1314,9	1012,5	840,2	733,7	664,3	616,3	551,7
Non Spinnaker	1129,7	903,4	779,0	704,5	657,6	627,1	590,9

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	44,3°	42,6°	42,7°	43,3°	42,1°	41,0°	40,3°
Beat VMG	2,64	3,18	3,56	3,89	4,13	4,25	4,32
52°	4,09	4,84	5,45	5,84	6,06	6,16	6,22
60°	4,35	5,13	5,73	6,04	6,23	6,36	6,44
75°	4,59	5,41	5,94	6,20	6,40	6,57	6,82
90°	4,58	5,43	6,06	6,36	6,48	6,61	7,00
110°	4,60	5,57	6,13	6,45	6,75	7,01	7,28
120°	4,46	5,45	6,07	6,39	6,68	7,00	7,53
135°	3,98	4,94	5,80	6,21	6,49	6,79	7,39
150°	3,45	4,35	5,19	5,88	6,23	6,49	7,04
Run VMG	2,99	3,78	4,50	5,19	5,76	6,14	6,65
Gybe Angles	148,4°	152,8°	151,8°	159,9°	180,0°	180,0°	180,0°