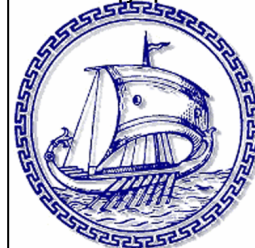




World Leader in Rating Technology

2018 ORC Club Certificate

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



Certificate

Number **001078**
Issued On **19/3/2018**
ORC Ref **GRE01009254**
VPP Ver. **2018 1.00**
Valid until **28/2/2019**

Crew Weight

Default 450kg
Maximum **420kg**
Minimum* **315kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

ToD ToT
Non Spin GPH **800,8 0,7493**
Non Spin OSN **771,6 0,7776**

Sails Limitations

Headsails **5** Spinnakers **3**
Dacron Sails

Spinnaker configuration
Symmetric: **Yes 57,65**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

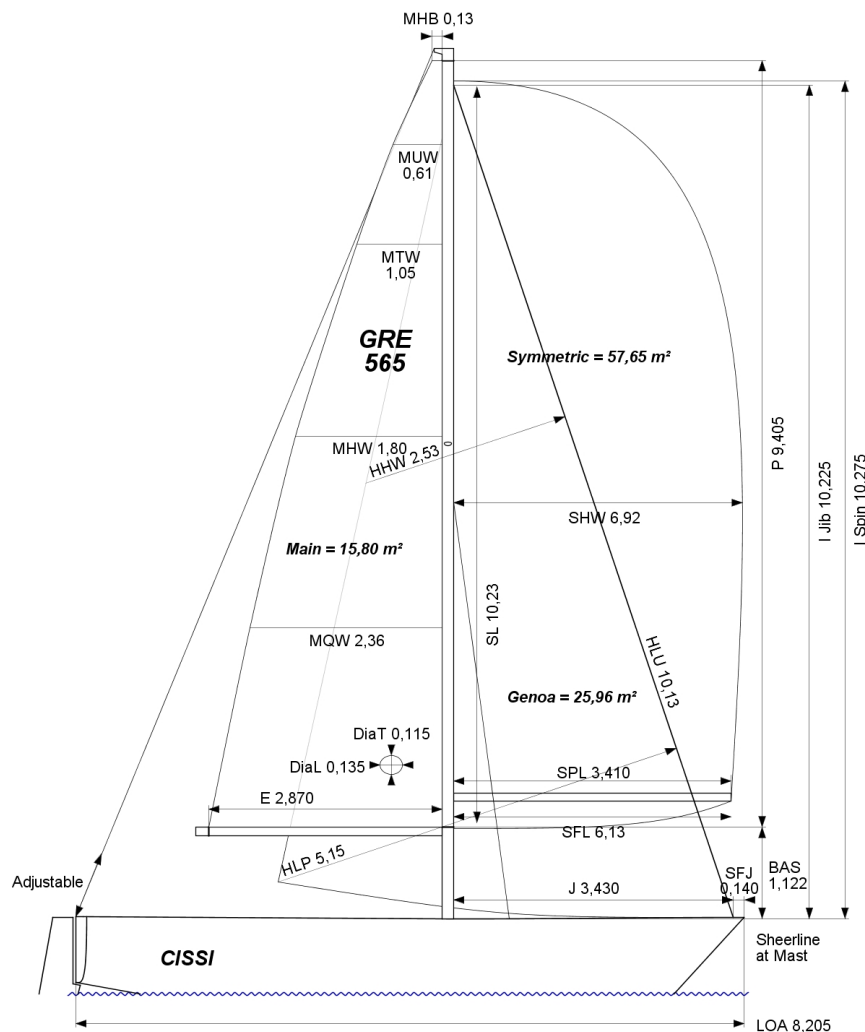
Class Division Length

CDL = 6,370

Stability (Estimated)

Limit Positive Stab.: **115,3°**
Stability Index: **116,3**

Owner



BOAT		GPH		HULL		
Name CISSI Sail Nr GRE-565		765,3		Data File GR565	LOA 8,205m	
				Offset File G1091.BOF	MB 2,938m	
				Displacement 3.600kg	Draft 1,569m	
CLASS				IMS Division Cruiser/Racer	Dynamic All. 0,586%	
Class Maxi 84				Fwd Accom. Yes	Construction Solid	
Designer Pelle Petterson				Fiber Rigging No	Aramid Core No	
Builder Maxi/Boerjesson				Crew Arm Ex	Carbon Rudder No	
Series 09/1979					Light Stanchions No	
Age Date 09/1979				IMSL 7,266m	VCGD 0,040m	
Age Allowance 0,487%				RL 5,473m	VCGM 0,043m	
				WS 18,01m²		
				LSM0 7,427m	Displacement/Length ratio 8,7874	
COMMENTS				Water Ballast 0	Trim Tab No	
Buidler's declared displacement.				BLR Index 0,0000		
PROPELLER				CENTERBOARD		
Installation Strut	PRD 0,380					
Type Folding 2 blades	PBW 0,100					
	PIPA 0,0028					
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	740,6			823,7		
Time on Time	0,8102			0,8195		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	891,2	674,4	595,4	1145,4	832,4	708,3
Time on Time	0,7574	1,0009	1,1337	0,5893	0,8109	0,9530

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	0,939	SFFP 0,870
FAM	FA	0,949	SAFP 8,114
LCF from stem on CL / on sheer		4,776 / 4,973	
Maximum beam station from stem		4,861	
RM Measured		51,6kg·m	
RM Default		50,1kg·m	
Limit of positive stability / Stab.Index		115,3° / 116,3	
Freeboard at mast at 3,570		0,926	

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



2018
Measurements
Datasheet

Certificate

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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	

COMMENTS	
Builder's declared displacement.	

MOVABLE 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				



World Leader in Rating Technology

2018

ORC Club Certificate Appendix

BOAT	
Name CISSI	Certificate Number 001078
Sail Nr GRE-565	Issued On 19/3/2018

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1335,5	1112,9	991,1	902,6	855,3	836,8	834,9
52°	874,8	742,4	658,8	614,8	594,9	585,7	582,1
60°	830,2	706,2	631,4	597,6	580,5	570,1	564,1
75°	797,7	677,6	612,9	584,7	567,0	553,5	536,2
90°	800,9	659,9	593,4	567,5	555,6	547,3	519,6
110°	776,2	641,1	584,0	555,8	532,4	512,2	492,0
120°	797,9	654,3	589,8	560,1	534,8	510,6	475,8
135°	892,5	718,6	614,8	576,0	550,9	526,4	482,7
150°	1030,8	817,8	685,9	608,0	574,9	551,8	507,3
Run VMG	1190,2	943,0	791,2	688,1	621,0	583,5	538,3

Selected Courses							
Windward / Leeward	1262,9	1027,9	891,1	795,4	738,1	710,2	686,6
Circular Random	1064,9	855,7	741,9	675,0	633,9	608,1	578,4
Coastal / Long Distance	1255,6	964,3	799,7	695,6	642,3	606,7	551,9
Non Spinnaker	1125,5	900,0	775,8	701,7	655,6	626,1	592,5

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	43,3°	41,6°	41,6°	41,7°	40,6°	40,2°	40,0°
Beat VMG	2,70	3,23	3,63	3,99	4,21	4,30	4,31
52°	4,12	4,85	5,46	5,86	6,05	6,15	6,18
60°	4,34	5,10	5,70	6,02	6,20	6,31	6,38
75°	4,51	5,31	5,87	6,16	6,35	6,50	6,71
90°	4,49	5,46	6,07	6,34	6,48	6,58	6,93
110°	4,64	5,62	6,16	6,48	6,76	7,03	7,32
120°	4,51	5,50	6,10	6,43	6,73	7,05	7,57
135°	4,03	5,01	5,86	6,25	6,54	6,84	7,46
150°	3,49	4,40	5,25	5,92	6,26	6,52	7,10
Run VMG	3,02	3,82	4,55	5,23	5,80	6,17	6,69
Gybe Angles	148,3°	152,5°	150,9°	160,0°	180,0°	180,0°	180,0°