



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**

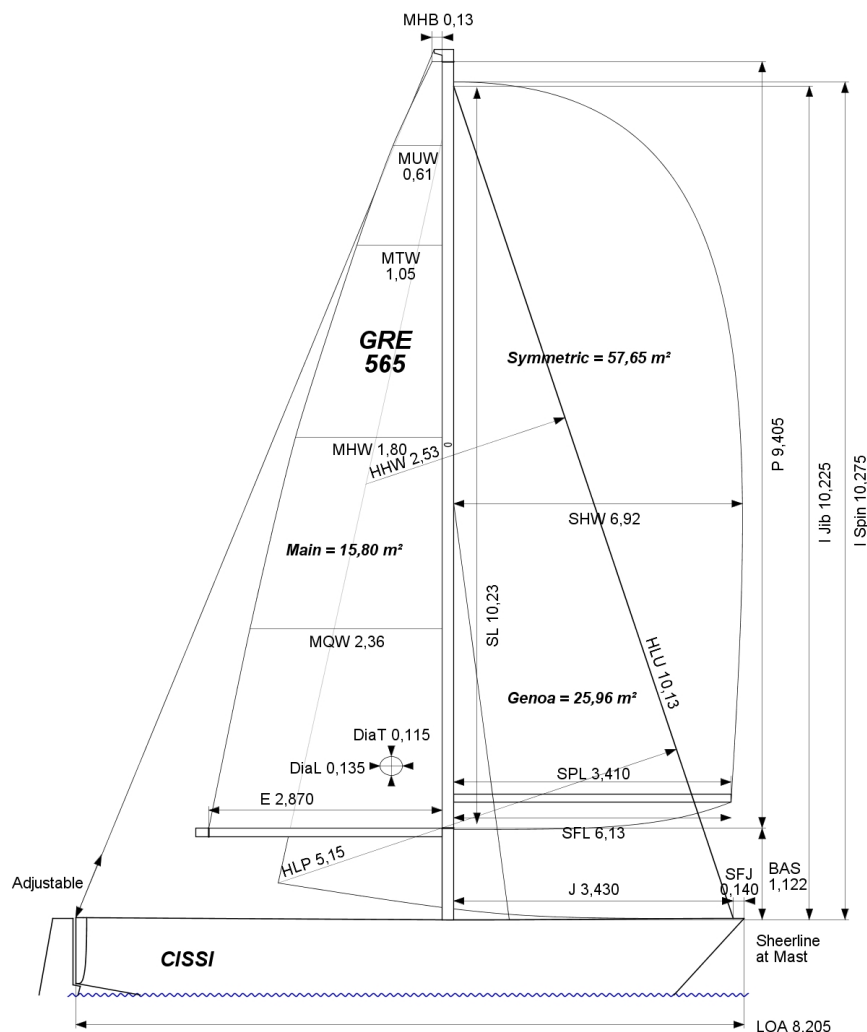
Class Division Length

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 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. 0,586% Fwd Accom. Yes Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS Builder's declared displacement.		IMSL 7,266m VCGD 0,040m Sink 12,08kg/mm RL 5,473m VCGM 0,043m WS 18,01m² LSM0 7,427m Displacement/Length ratio 8,7874
PROPELLER Installation Strut PRD 0,380 Type Folding 2 blades PBW 0,100 PIPA 0,0028		Water Ballast 0 Trim Tab No BLR Index 0,0000
		CENTERBOARD N/A
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



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2018 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.	

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		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				07/02/2015		Dacron	
3						4,31	9,96	126%	21,85				04/02/2017	DeVries	Dacron	Genoa #2
2						3,40	7,82	99%	13,53				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		04/02/2017	DAN sails	Nylon						
2	10,22	10,21	10,21	6,14	6,13	52,25		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	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°