



World Leader in Rating Technology

2018 ORC Club Certificate

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



Certificate

Number **000151**
Issued On **9/5/2018**
ORC Ref **GRE01009695**
VPP Ver. **2018 1.00**
Valid until **28/2/2019**

Crew Weight

Default 507kg
Maximum **400kg**
Minimum* **300kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	758,7	0,7908
Non Spin OSN	732,5	0,8192

Sails Limitations

Headsails **1** Spinnakers **0**
Dacron Sails

Spinnaker configuration

Symmetric: **No**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

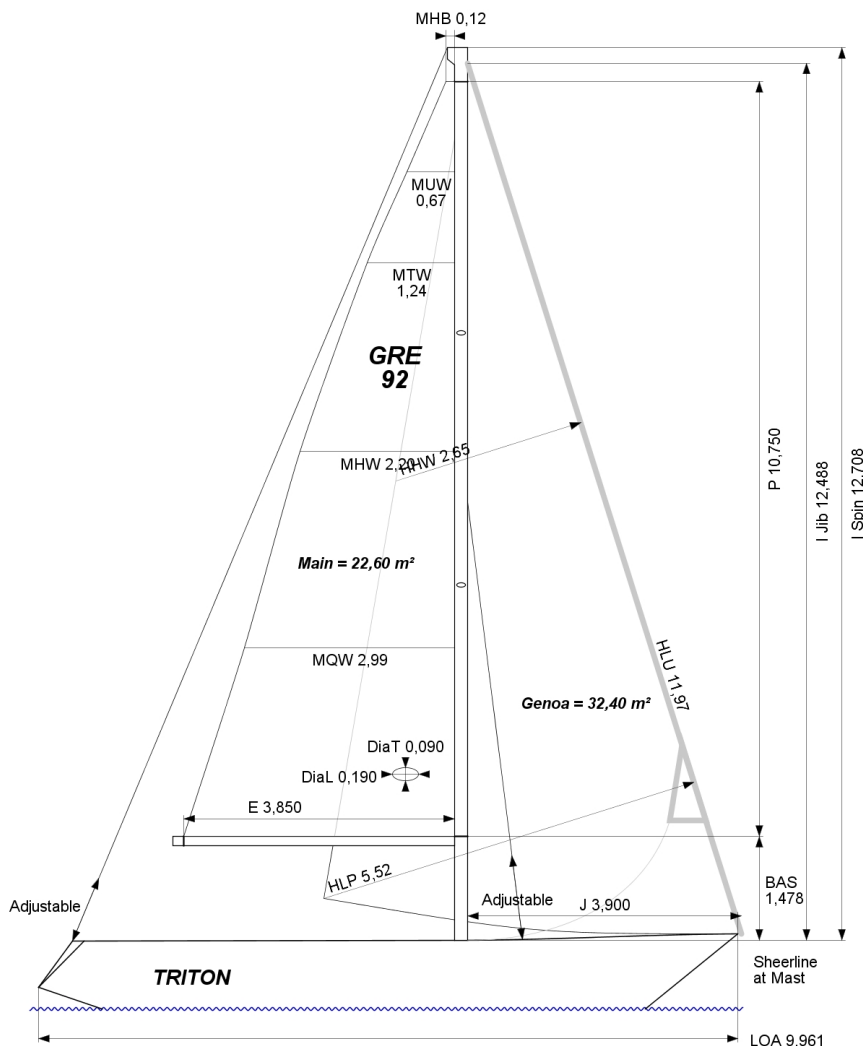
Class Division Length

CDL = 7,048

Stability (Estimated)

Limit Positive Stab.: **115,3°**
Stability Index: **115,8**

Owner



BOAT	GPH	HULL
Name TRITON Sail Nr GRE-92	758,7	Data File GR92 LOA 9,961m Offset File US12626.off MB 3,328m Displacement 4.773kg Draft 1,793m
CLASS Class CARTER 33 Designer R.CARTER Builder OLYMPIC MARINE Series 01/1976 Age Date 01/1976 Age Allowance 0,487%		IMS Division Cruiser/Racer Dynamic All. 0,558% Fwd Accom. Yes Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS ex "NIKOS"		IMSL 7,940m VCGD 0,075m Sink 13,97kg/mm RL 6,154m VCGM 0,036m WS 20,50m² LSM0 8,069m Displacement/Length ratio 9,0852
PROPELLER Installation Shaft exposed PRD 0,360 Type Solid 3 blades PIPA 0,0162		Water Ballast 0 Trim Tab No BLR Index 0,0000
		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	732,5	815,5
Time on Time	0,8192	0,8277
Triple Number	Low Medium High	Low Medium High
Time on Distance	894,0 665,5 583,7	1153,6 823,6 697,5
Time on Time	0,7550 1,0142 1,1564	0,5851 0,8196 0,9677

BOAT	
Name TRITON	Sail Nr GRE-92
File GR92	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Club Estimated VCG			
Flotation date 31/05/2006		SG	
FFM 1,061	FF 1,069	SFFP 0,908	
FAM 0,969	FA 0,976	SAFP 9,313	
LCF from stem on CL / on sheer		5,442 / 5,658	
Maximum beam station from stem		5,733	
RM Measured		69,9kg·m	
RM Default		67,8kg·m	
Limit of positive stability / Stab.Index		115,3° / 115,8	
Freeboard at mast at 0,000		0,980	

RIG			
Forestay Tension Aft	Spreaders 2		
Inner Stay Adjustable	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 10,750	E 3,850	MDT1 0,090	MW
IG 12,488	J 3,900	MDL1 0,190	GO
ISP 12,708	SFJ -0,050	MDT2	BD
BAS 1,478	SPL 3,900	MDL2	MWT
FSP -3,000	TPS	TL -3,000	MCG

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Shaft exposed	PRD 0,360		
Type Solid 3 blades	PBW		
Twin Screw No	PIPA 0,0162		
PSA	PHL	ST3	ESL
PSD	ST1	ST4	
PHD	ST2	ST5	

COMMENTS	
ex "NIKOS"	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



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2018 Measurements Datasheet

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SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0,115	0,67	1,24	2,20	2,99	22,60		18/10/2015	NORTH	Dacron						
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
1	0,09	0,68	1,31	2,65	4,05	5,52	11,97	142%	32,40				18/10/2015	ZOUGANELI	Dacron	
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				



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2018

ORC Club Certificate Appendix

BOAT	
Name	TRITON
Sail Nr	GRE-92
Certificate Number	000151
Issued On	9/5/2018

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1243,6	1035,8	919,5	851,2	820,9	808,9	812,9
52°	818,5	692,5	614,0	580,1	565,0	558,9	556,9
60°	778,0	658,3	590,1	563,3	549,3	542,0	538,1
75°	749,0	632,3	574,5	549,6	534,4	522,9	510,0
90°	757,8	638,8	574,9	547,2	527,7	511,3	491,5
110°	817,7	677,0	591,7	553,9	531,9	513,3	480,8
120°	872,6	717,7	618,5	566,3	540,2	520,7	485,2
135°	995,4	791,8	678,0	599,2	559,0	536,0	499,7
150°	1150,8	888,5	747,9	654,1	589,1	554,8	515,3
Run VMG	1324,1	1011,5	835,2	725,2	643,9	587,4	534,3
Selected Courses							
Windward / Leeward	1283,8	1023,6	877,4	788,2	732,4	698,1	673,6
Circular Random	1065,5	851,7	734,7	665,6	623,3	596,6	567,0
Coastal / Long Distance	1287,9	964,0	790,3	686,4	630,7	592,9	540,4
Non Spinnaker	1065,5	851,7	734,7	665,6	623,3	596,6	567,0

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	42,9°	41,3°	41,4°	41,5°	40,8°	40,4°	40,8°
Beat VMG	2,89	3,48	3,92	4,23	4,39	4,45	4,43
52°	4,40	5,20	5,86	6,21	6,37	6,44	6,46
60°	4,63	5,47	6,10	6,39	6,55	6,64	6,69
75°	4,81	5,69	6,27	6,55	6,74	6,89	7,06
90°	4,75	5,64	6,26	6,58	6,82	7,04	7,32
110°	4,40	5,32	6,08	6,50	6,77	7,01	7,49
120°	4,13	5,02	5,82	6,36	6,66	6,91	7,42
135°	3,62	4,55	5,31	6,01	6,44	6,72	7,20
150°	3,13	4,05	4,81	5,50	6,11	6,49	6,99
Run VMG	2,72	3,56	4,31	4,96	5,59	6,13	6,74
Gybe Angles	156,8°	164,6°	170,9°	173,1°	173,4°	177,3°	179,2°