



2020 ORC Club Certificate

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



Certificate
 Number **00802**
 Issued On **26/08/2020**
 ORC Ref **03420000P2V**
 VPP Ver. **2020 1.02**
 Valid until **28/02/2021**

Crew Weight

Default	488kg
Maximum	395kg
Minimum*	296kg

**when applied by the NoR and SI*
 Non Manual Pwr **No**

Special Scoring

ToD	ToT
Non Spin GPH 749.5	0.8005
Non Spin OSN 726.7	0.8256

Sails Limitations

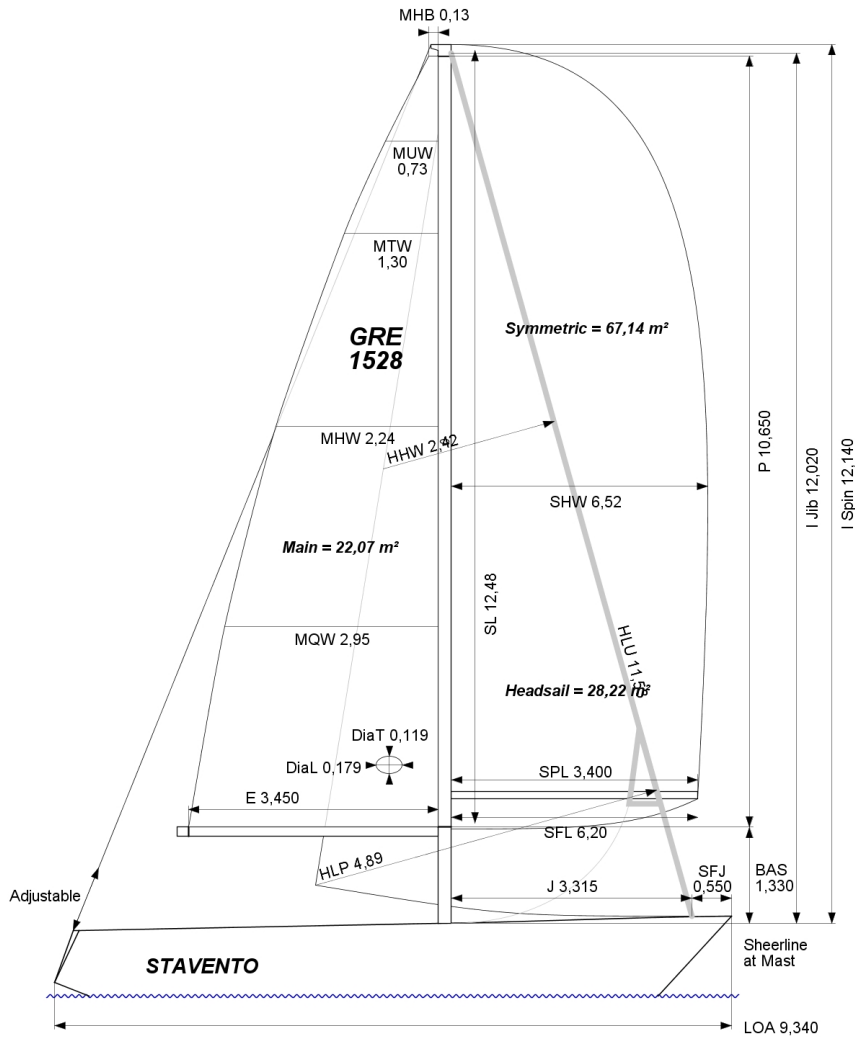
Headsails **1** Spinnakers **4**
Woven Polyester

Spinnaker configuration
 Symmetric: **Yes** **67.14**
 Asymmetric: **No**
 Flying H/S: **No**
 Spin. Pole: **Yes**

Class Division Length
CDL = 6.941

Stability (Estimated)
 Limit Positive Stab.: **114.4°**
 Stability Index: **113.6**

Owner



BOAT Name STAVENTO Sail Nr GRE-1528	GPH 715.6	HULL Data File GR1528 LOA 9.340m Offset File GR0030.BOF MB 3.154m Displacement 3,856kg Draft 1.493m
CLASS Class MAXI 95 Designer PELLE PETERSON Builder MAXI Series 01/1976 Age Date 05/1976 Age Allowance 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.380% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS Builder's displacement		IMSL 7.822m VCGD 0.033m Sink 13.61kg/mm RL 6.060m VCGM 0.051m WS 19.86m² LSM0 7.852m Displacement/Length ratio 7.9652 Water Ballast 0 Trim Tab No BLR Index 0.0000
PROPELLER Installation Shaft non exposed PRD 0.380 Type Feathering 2 blades PIPA 0.0006		CENTERBOARD N/A

SCORING OPTIONS

	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	696.2			779.0		
Time on Time	0.8618			0.8665		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	818.0	633.6	572.2	1056.5	782.2	688.8
Time on Time	0.8252	1.0653	1.1797	0.6389	0.8629	0.9800

BOAT	
Name STAVENTO	Sail Nr GRE-1528
File GR1528	Data in meters/kilograms

RIG	
Forestay Tension Aft	Spreaders 1
Inner Stay None Fitted	Runners/Checkstays 0
Carbon Mast No	Jib Furler Yes
Fiber Rigging No	Main Furler No
Non-Circular Rigging No	
Articulated Bowsprit No	
P 10.650	E 3.450 MDT1 0.119 MW
IG 12.020	J 3.315 MDL1 0.179 GO
ISP 12.140	SFJ 0.550 MDT2 BD
BAS 1.330	SPL 3.400 MDL2 MWT
FSD 0.030	TPS TL MCG

INCLINING TEST AND FREEBOARDS	
Inclining Test Club Estimated VCG	
Flotation date 01/01/2013	SG 1.0238
FFM 1.096	FF 1.096 SFFP 0.574
FAM 0.904	FA 0.904 SAFF 9.000
LCF from stem on CL / on sheer	5.178 / 5.407
Maximum beam station from stem	5.415
RM Measured	63.2kg-m
RM Default	61.3kg-m
Limit of positive stability / Stab.Index	114.4° / 113.6
Freeboard at mast at 3.865	1.003



2020
Measurements
Datasheet

MIZZEN RIG AND SAILS	
N/A	

PROPELLER	
Installation Shaft non exposed	PRD 0.380
Type Feathering 2 blades	PBW
Twin Screw No	PIPA 0.0006
PSA	PHD ESL
PSD	PHL

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COMMENTS	
Builder's displacement	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS INVENTORY																
MAINSAIL (2)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
2	0.13	0.73	1.30	2.24	2.95	22.07		11/03/2015	QUANTUM	Dacron						
1	0.16	0.66	1.14	1.95	2.62	20.03				Dacron						
HEADSAILS (2)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
2	0.03	0.61	1.20	2.42	3.71	4.89	11.53	148%	28.22	No	No		02/03/2013		Dacron	
3	0.06	0.58	1.12	2.26	3.46	4.70	11.93	142%	27.54	No	No		11/03/2015	QUANTUM	Dacron	
SYMMETRIC SPINNAKERS (3)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	12.48	12.48	12.48	6.52	6.20	67.15		20/03/2019		Nylon						
2	11.00	11.00	11.00	6.27	6.25	57.44		01/03/2020		Unknown						
3	11.05	11.05	11.05	6.10	5.72	55.48		01/03/2020		Unknown						
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				

2020

ORC Club Certificate Appendix

BOAT	
Name	STAVENTO
Sail Nr	GRE-1528
Certificate Number	00802
Issued On	26/08/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1244.3	1038.5	922.5	857.8	834.8	828.7	846.7
52°	802.1	680.3	610.7	580.8	569.4	565.4	567.0
60°	751.9	641.5	587.2	563.7	552.0	547.3	546.5
75°	717.2	613.3	570.4	549.2	534.7	524.0	515.4
90°	723.2	610.9	560.4	541.6	527.5	512.2	488.7
110°	713.4	593.7	548.9	523.2	501.4	487.0	469.2
120°	732.4	604.2	553.1	525.5	500.4	478.0	451.0
135°	800.2	655.2	574.7	541.2	515.8	490.6	447.8
150°	935.7	747.2	634.3	570.5	540.7	517.2	471.7
Run VMG	1080.4	862.7	730.9	643.4	583.2	549.3	503.5
Selected Courses							
Windward / Leeward	1162.4	950.6	826.7	750.6	709.0	689.0	675.1
Circular Random	982.1	794.3	694.2	636.9	602.9	582.3	560.5
Coastal / Long Distance	1154.2	890.6	743.3	657.0	612.8	580.1	529.3
Non Spinnaker	1043.2	837.5	726.2	661.6	622.8	599.0	573.4

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°	42.8°	42.8°	42.4°	41.6°	41.6°	42.8°
Beat VMG	2.89	3.47	3.90	4.20	4.31	4.34	4.25
52°	4.49	5.29	5.89	6.20	6.32	6.37	6.35
60°	4.79	5.61	6.13	6.39	6.52	6.58	6.59
75°	5.02	5.87	6.31	6.55	6.73	6.87	6.98
90°	4.98	5.89	6.42	6.65	6.83	7.03	7.37
110°	5.05	6.06	6.56	6.88	7.18	7.39	7.67
120°	4.92	5.96	6.51	6.85	7.19	7.53	7.98
135°	4.50	5.49	6.26	6.65	6.98	7.34	8.04
150°	3.85	4.82	5.68	6.31	6.66	6.96	7.63
Run VMG	3.33	4.17	4.93	5.60	6.17	6.55	7.15
Gybe Angles	147.0°	151.0°	151.5°	160.0°	180.0°	180.0°	180.0°