

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



Certificate
Number **01043**
Issued On **30/09/2020**
ORC Ref **03420000R3E**
VPP Ver. **2020 1.02**
Valid until **28/02/2021**

Crew Weight

Default	840kg
Maximum	840kg
Minimum*	630kg

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

Special Scoring

ToD	ToT
Non Spin GPH 693.0	0.8658
Non Spin OSN 669.4	0.8963

Sails Limitations

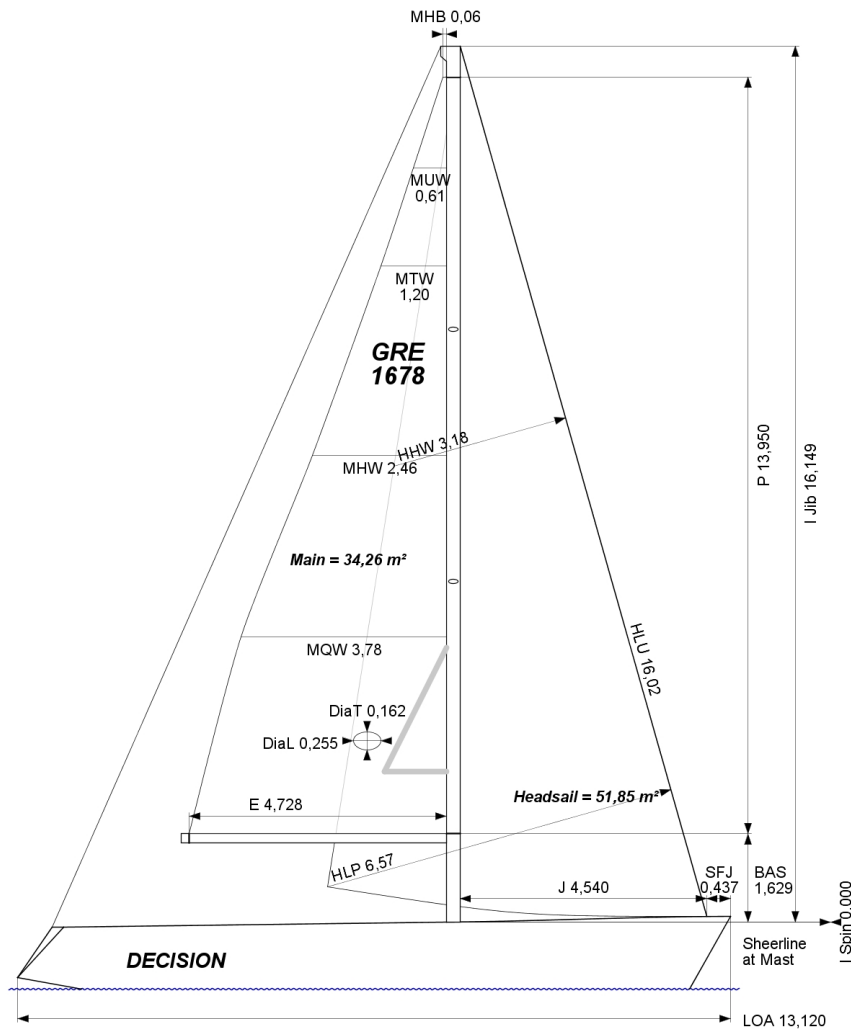
Headsails **5** Spinnakers **0**
Woven Polyester

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

Class Division Length
CDL = 9.299

Stability (Estimated)
Limit Positive Stab.: **110.0°**
Stability Index: **113.7**

Owner



BOAT		GPH		HULL		
Name DECISION Sail Nr GRE-1678		693.0		Data File GR1678	LOA 13.120m	
CLASS				Offset File timoun.OFF	MB 4.234m	
Class OCEANIS 440				Displacement 9,870kg	Draft 1.768m	
Designer FARR				IMS Division Cruiser/Racer	Dynamic All. 0.421%	
Builder BENETEAU				Plan Review	Construction Solid	
Series 01/1996				Fiber Rigging No	Aramid Core No	
Age Date 01/1996				Crew Arm Ex	Carbon Rudder No	
Age Allowance 0.487%					Light Stanchions No	
COMMENTS				IMSL 11.437m	VCGD -0.009m	Sink 26.63kg/mm
Weighted by measurer.				RL 7.160m	VCGM 0.151m	WS 36.24m²
PROPELLER				LSM0 11.499m	Displacement/Length ratio 6.4914	
Installation Shaft non exposed	PRD 0.510			Water Ballast 0	Trim Tab No	
Type Solid 3 blades	PBW 0.170			BLR Index 0.0000		
	PIPA 0.0156			CENTERBOARD		
				NA		
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	669.4			755.8		
Time on Time	0.8963			0.8931		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	844.7	602.9	507.4	1118.7	767.8	618.6
Time on Time	0.7991	1.1196	1.3304	0.6034	0.8791	1.0912

BOAT	
Name DECISION	Sail Nr GRE-1678
File GR1678	Data in meters/kilograms

RIG	
Forestay Tension Fixed	Spreaders 2
Inner Stay None Fitted	Runners/Checkstays 0
Carbon Mast No	Jib Furler No
Fiber Rigging No	Main Furler Yes
Non-Circular Rigging No	
Articulated Bowsprit No	
P 13.950	E 4.728 MDT1 0.162 MW
IG 16.149	J 4.540 MDL1 0.255 GO
ISP	SFJ 0.437 MDT2
BAS 1.629	SPL 4.585 MDL2
FSD -3.000	TPS TL -3.000 MCG

INCLINING TEST AND FREEBOARDS	
Inclining Test Club Estimated VCG	
Flotation date 20/03/2015	SG
FFM	FF 1.337 SFFP 0.300
FAM	FA 1.147 SAFF 12.280
LCF from stem on CL / on sheer	7.178 / 7.471
Maximum beam station from stem	7.500
RM Measured	230.9kg-m
RM Default	227.6kg-m
Limit of positive stability / Stab.Index	110.0° / 113.7
Freeboard at mast at 4.977	1.234



ORC
Offshore Racing Congress
World leader in rating technology

2020
Measurements
Datasheet

MIZZEN RIG AND SAILS	
N/A	

PROPELLER	
Installation Shaft non exposed	PRD 0.510
Type Solid 3 blades	PBW 0.170
Twin Screw No	PIPA 0.0156
PSA	PHD ESL
PSD	PHL

Certificate

Number **01043**
ORC Ref **03420000R3E**
Issued On **30/09/2020**
VPP Ver. **2020 1.02**
Valid until **28/02/2021**



COMMENTS	
Weighted by measurer.	

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	0.06	0.61	1.20	2.46	3.78	34.27		22/04/2014	QUANTUM	Dacron	Roller					
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.05	0.79	1.56	3.18	4.88	6.57	16.02	145%	51.85	No			22/04/2014	QUANTUM	Dacron	Roller
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				

MEASUREMENT INVENTORY					
Measurer GRE-21					
Date 20/03/2015					
Comment WEIGHING (NOT FREEBOARDS)					
Internal Ballast total = 0.0					
Id	Item	Weight	Distance	VCG Description	
Id	Item	Weight	Description		

MEASUREMENT INVENTORY				
Id	Item	Weight	Distance	VCG Description
1	Misc			STERN LADDER (INOX, HEAVY TYPE)
2	Misc			BIMINI
3	Misc			ANCHOR WINDLASS
4	Misc			FURLING GENOA & FURLING MAINSAIL

2020

ORC Club Certificate Appendix

BOAT	
Name	DECISION
Sail Nr	GRE-1678
Certificate Number	01043
Issued On	30/09/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1242.6	1002.1	873.8	789.1	733.5	709.9	700.6
52°	779.7	639.0	562.8	512.3	486.0	474.3	468.5
60°	715.7	595.4	526.9	488.3	468.9	458.4	451.3
75°	672.7	563.6	501.1	471.6	455.4	444.0	429.0
90°	679.9	566.9	499.5	468.4	451.4	438.2	413.6
110°	756.3	609.8	525.5	478.2	455.5	439.8	411.4
120°	808.6	648.8	557.3	496.2	465.0	446.6	417.1
135°	939.8	730.4	616.5	541.5	490.4	463.0	431.1
150°	1099.9	837.3	691.2	599.9	534.7	489.0	445.9
Run VMG	1268.8	961.0	784.6	672.4	594.9	536.3	466.9

Selected Courses							
Windward / Leeward	1255.7	981.6	829.2	730.8	664.2	623.1	583.7
Circular Random	1000.0	788.4	669.8	597.6	551.6	521.7	487.7
Coastal / Long Distance	1257.0	917.7	736.6	622.1	557.8	515.7	461.2
Non Spinnaker	1000.0	788.4	669.8	597.6	551.6	521.7	487.7

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	47.3°	45.0°	45.0°	44.3°	43.9°	43.1°	42.9°
Beat VMG	2.90	3.59	4.12	4.56	4.91	5.07	5.14
52°	4.62	5.63	6.40	7.03	7.41	7.59	7.68
60°	5.03	6.05	6.83	7.37	7.68	7.85	7.98
75°	5.35	6.39	7.18	7.63	7.91	8.11	8.39
90°	5.30	6.35	7.21	7.69	7.98	8.22	8.71
110°	4.76	5.90	6.85	7.53	7.90	8.19	8.75
120°	4.45	5.55	6.46	7.25	7.74	8.06	8.63
135°	3.83	4.93	5.84	6.65	7.34	7.77	8.35
150°	3.27	4.30	5.21	6.00	6.73	7.36	8.07
Run VMG	2.84	3.75	4.59	5.35	6.05	6.71	7.71
Gybe Angles	154.0°	158.0°	166.0°	170.0°	172.0°	173.0°	178.0°