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2020
Club
Double Handed

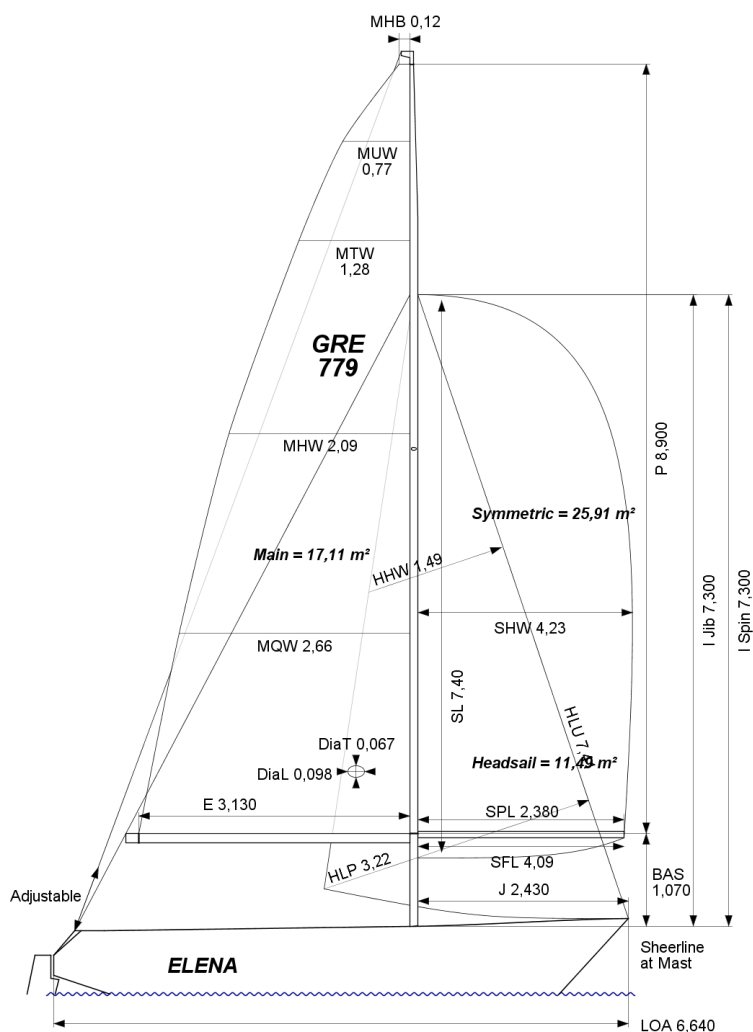
Rating Office

Hellenic Sailing Federation
Offshore Committee
Επιτροπή
Ανοικτής Θαλάσσης
Ελληνικής
Ιστιοπλοϊκής Ομοσπονδίας



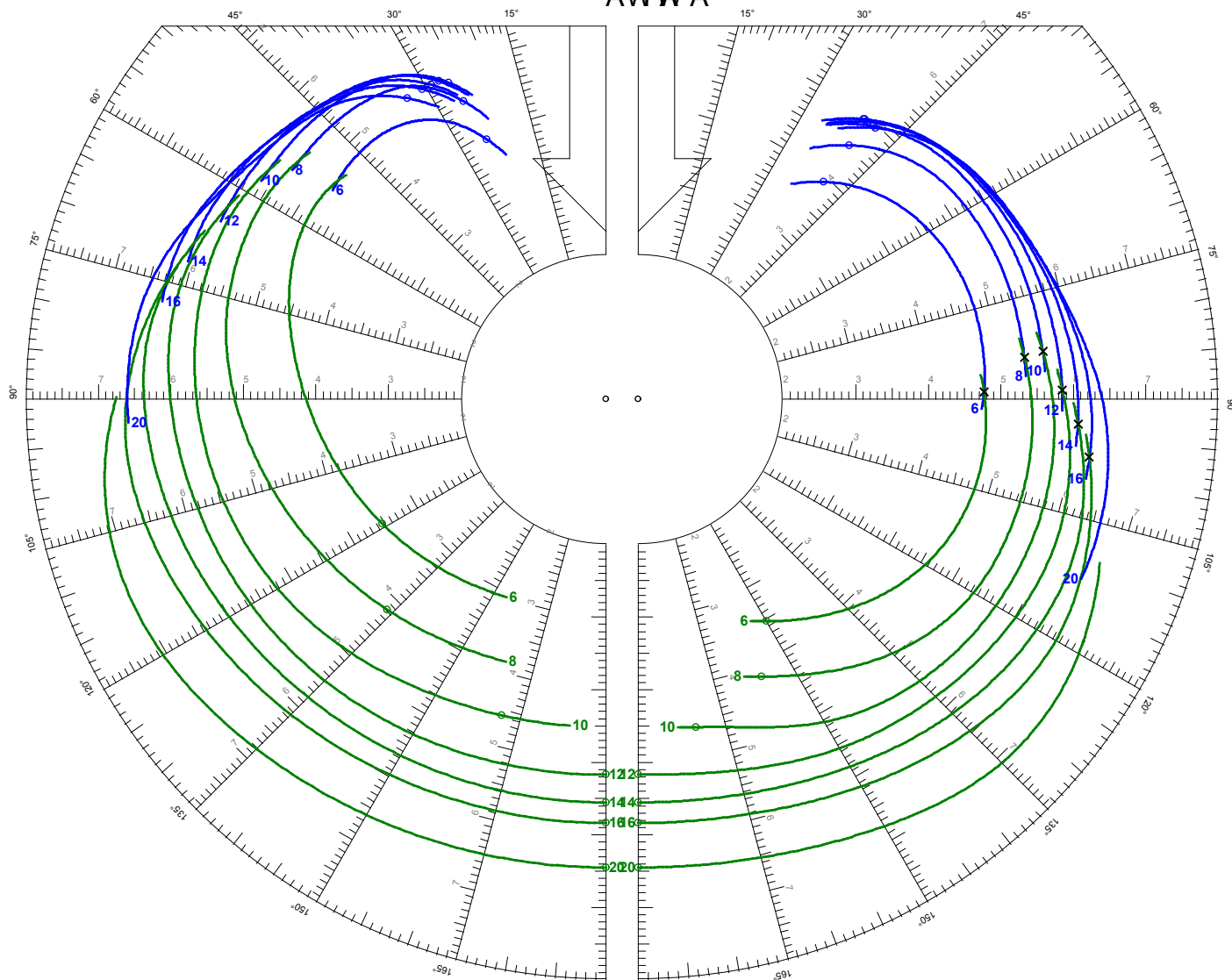
Certificate

Number **00799**
Issued On **27/05/2020**
ORC Ref **03420000J1F**
VPP Ver. **2020 1.02**
Valid until **28/02/2021**



BOAT		GPH	HULL		Crew Weight	
Name ELENA Sail Nr GRE-779		783.4	Data File GR779 Offset File GR0078.off Displacement 1,338kg	LOA 6.640m MB 2.498m Draft 1.422m	Default 170kg Maximum 170kg Non Manual Pwr No	
CLASS			IMS Division Performance Fwd Accom. Yes Fiber Rigging No Crew Arm Ex	Dynamic All. 0.110% Construction Cored Aramid Core No Carbon Rudder No Light Stanchions No	Sails Limitations Headsails 5 Spinnakers 4	
Class AEGEAN 234 Designer ED DUBOIS Builder AEGEAN MARINE Series 01/1980 Age Date 05/1980 Age Allowance 0.487%			IMSL 5.666m VCGD 0.061m Sink 6.83kg/mm RL 5.062m VCGM 0.132m WS 9.60m² LSM0 5.664m Displacement/Length ratio 7.3635		Spinnaker configuration Symmetric: Yes 25.91 Asymmetric: No Flying H/S: No Spin. Pole: Yes	
COMMENTS			Water Ballast 0 Trim Tab No BLR Index 0.0000		Stability (Measured) Limit Positive Stab.: 104.5° Stability Index: 96.3	
ex "MALOU", ex "XENIA", ex "NIKOUANA II", ex "MARIANNA", ex "THALASSITIS"					Owner	
PROPELLER			CENTERBOARD			
Type No Propeller			N/A			
SCORING OPTIONS						
	Time on Distance	Time on Time				
Coastal or Long Distance	766.9	0.7824				
Circular Random	783.4	0.7659				
Predominantly Upwind	769.0	0.7802				
Predominantly Downwind	707.6	0.8479				

AWTWA



Polar Plot for Boat

Name **ELENA**
Sail Number **GRE-779**
Class **AEGEAN 234**
Designer **ED DUBOIS**
Builder **AEGEAN MARINE**
Issued On **27/05/2020 - VPP 2020 1.02**

2020

Double Handed Certificate Appendix

BOAT								
Name	ELENA			Certificate Number	00799			
Sail Nr	GRE-779			Issued On	27/05/2020			
TIME ALLOWANCES								
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	
Beat VMG	1210.0	1035.5	956.2	938.5	938.9	947.7	968.5	
52°	816.4	710.4	674.9	663.9	660.5	660.1	660.3	
60°	780.3	690.5	659.8	646.3	641.2	639.5	637.3	
75°	753.3	676.7	646.2	626.5	612.9	606.3	604.7	
90°	756.9	667.1	633.1	615.6	596.4	579.8	565.4	
110°	762.4	666.8	628.1	594.9	567.1	552.5	534.7	
120°	793.4	678.7	636.2	602.7	570.5	544.5	516.1	
135°	887.1	731.7	660.1	624.9	591.3	560.2	511.0	
150°	1026.8	826.0	706.0	652.7	620.1	588.3	533.4	
Run VMG	1185.7	948.8	803.1	701.3	653.0	621.1	561.9	
Selected Courses								
Windward / Leeward	1197.9	992.2	879.6	819.9	795.9	784.4	765.2	
Circular Random	1043.4	857.2	761.7	709.6	680.0	662.2	641.4	
Coastal / Long Distance	1196.6	936.9	803.2	733.5	696.0	663.7	607.8	
Non Spinnaker	1081.4	884.0	782.1	726.1	694.1	674.6	651.0	
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	40.5°	39.8°	39.0°	38.8°	39.0°	39.8°	41.3°	
Beat VMG	2.98	3.48	3.76	3.84	3.83	3.80	3.72	
52°	4.41	5.07	5.33	5.42	5.45	5.45	5.45	
60°	4.61	5.21	5.46	5.57	5.61	5.63	5.65	
75°	4.78	5.32	5.57	5.75	5.87	5.94	5.95	
90°	4.76	5.40	5.69	5.85	6.04	6.21	6.37	
110°	4.72	5.40	5.73	6.05	6.35	6.52	6.73	
120°	4.54	5.30	5.66	5.97	6.31	6.61	6.98	
135°	4.06	4.92	5.45	5.76	6.09	6.43	7.04	
150°	3.51	4.36	5.10	5.52	5.81	6.12	6.75	
Run VMG	3.04	3.79	4.48	5.13	5.51	5.80	6.41	
Gybe Angles	150.0°	156.0°	170.0°	180.0°	180.0°	180.0°	180.0°	