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2020
Club
Double Handed

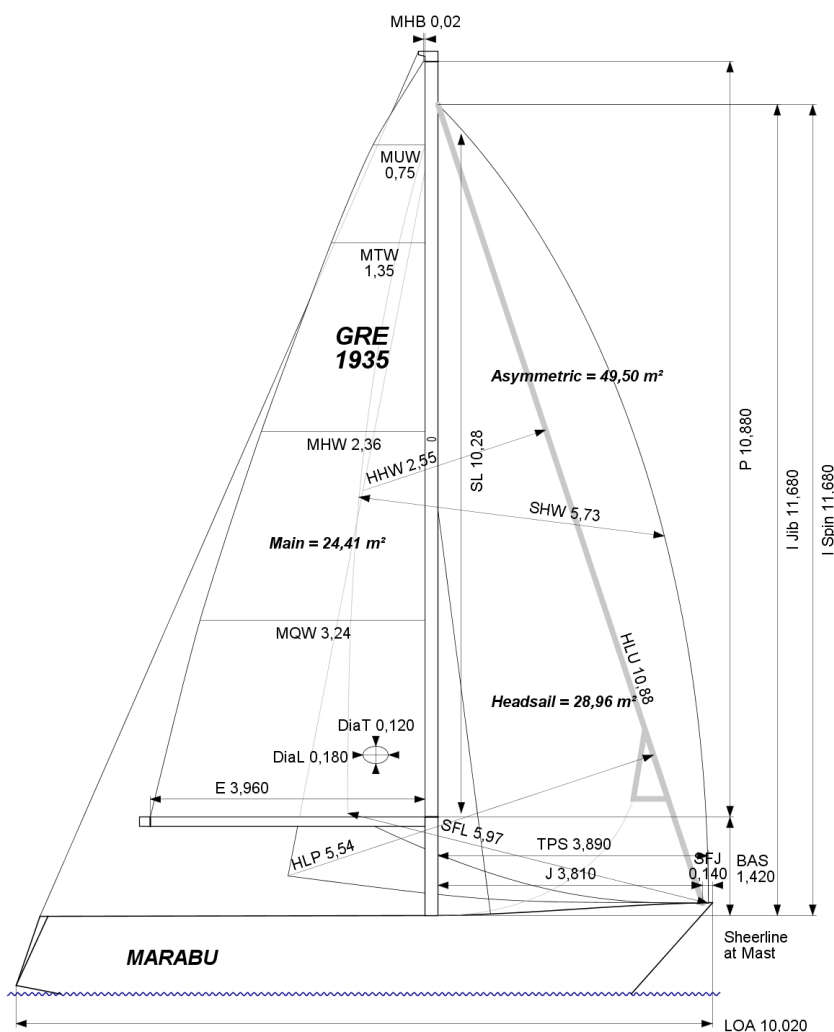
Rating Office

Hellenic Sailing Federation
Offshore Committee
Επιτροπή
Ανοικτής Θαλάσσης
Ελληνικής
Ιστιοπλοϊκής Ομοσπονδίας

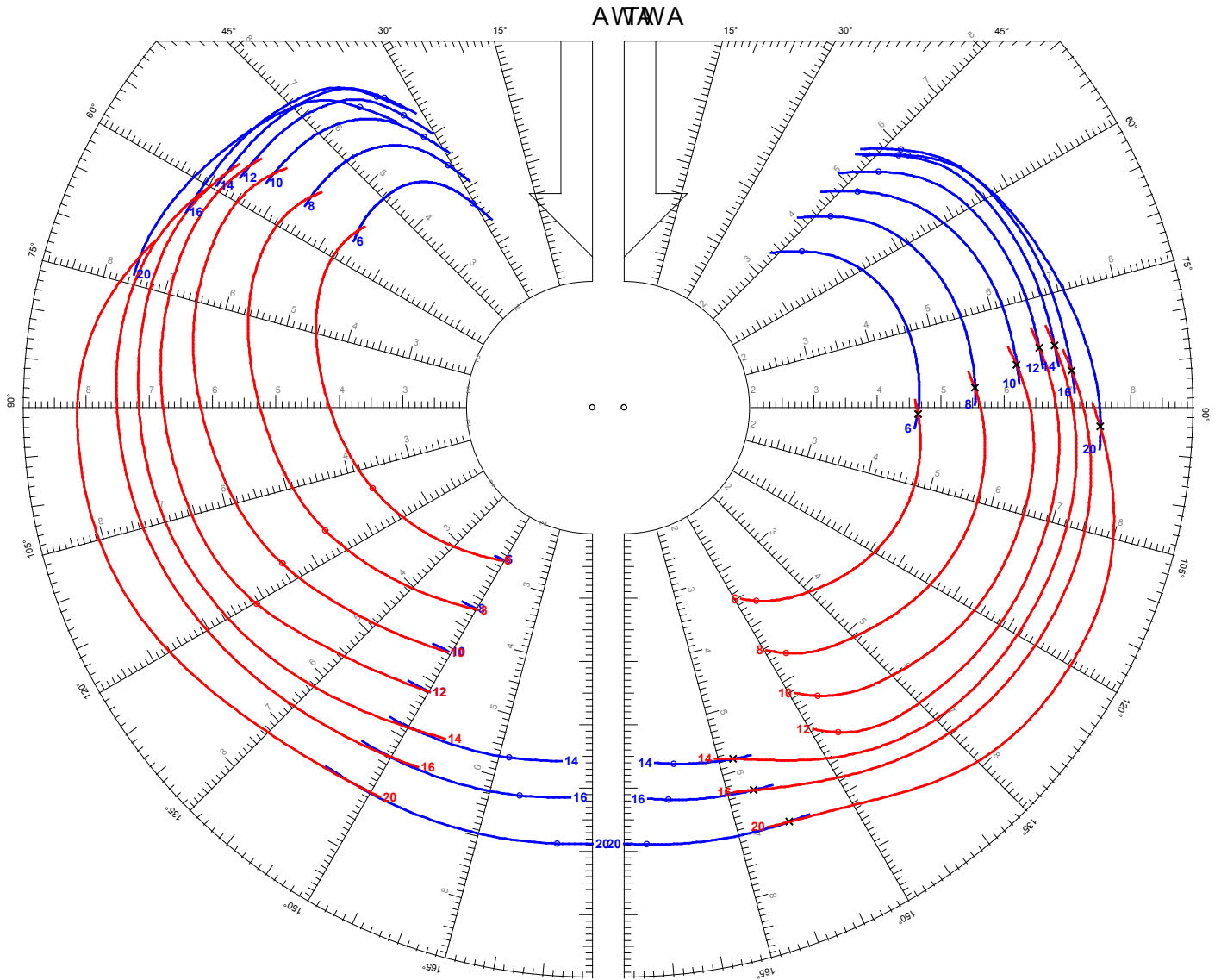


Certificate

Number **01975**
Issued On **01/07/2020**
ORC Ref **03420000LQQ**
VPP Ver. **2020 1.02**
Valid until **28/02/2021**



BOAT			GPH		HULL			Crew Weight				
Name MARABU Sail Nr GRE-1935			776.1		Data File GR1935	LOA 10.020m	Offset File GR0096.BOF	MB 3.466m	Displacement 4,773kg	Draft 1.347m	Default 170kg Maximum 200kg Non Manual Pwr No	
CLASS			IMS Division Cruiser/Racer Fiber Rigging No Crew Arm Ex			Dynamic All. 0.477%	Construction Solid Aramid Core No Carbon Rudder No Light Stanchions No					
Class MOODY 33 MKI												
Designer Angus Primrose												
Builder Marine Projects												
Series 01/1978												
Age Date 01/1978			IMSL 8.393m	VCGD 0.000m	Sink 17.49kg/mm							
Age Allowance 0.487%			RL 4.645m	VCGM 0.034m	WS 23.28m²							
COMMENTS			LSM0 8.269m			Displacement/Length ratio 8.4417			Sails Limitations Headsails 1 Spinnakers 4 Dacron Sails Asymmetric on centerline Spinnaker configuration Symmetric: No Asymmetric: Yes 53.36 Flying H/S: No Spin. Pole: No			
Builder's displacement.			Water Ballast 0			Trim Tab No						
			BLR Index 0.0000									
PROPELLER			CENTERBOARD									
Installation Shaft exposed	PRD 0.330		N/A									
Type Solid 3 blades	PBW 0.140											
	PIPA 0.0136											
SCORING OPTIONS											Owner	
			Time on Distance			Time on Time						
Coastal or Long Distance			755.0			0.7947						
Circular Random			776.1			0.7731						
Predominantly Upwind			762.9			0.7865						
Predominantly Downwind			680.9			0.8812						



Polar Plot for Boat

Name **MARABU**
Sail Number **GRE-1935**
Class **MOODY 33 MKI**
Designer **Angus Primrose**
Builder **Marine Projects**
Issued On **01/07/2020 - VPP 2020 1.02**

2020

Double Handed Certificate Appendix

BOAT								
Name	MARABU			Certificate Number	01975			
Sail Nr	GRE-1935			Issued On	01/07/2020			
TIME ALLOWANCES								
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	
Beat VMG	1482.0	1210.0	1069.8	979.8	916.2	895.1	914.0	
52°	921.4	760.1	674.5	616.7	581.8	569.7	573.6	
60°	836.5	700.9	623.2	576.0	551.6	540.3	537.8	
75°	778.3	657.0	585.4	550.0	530.6	517.4	504.0	
90°	778.5	642.9	564.5	530.0	510.9	498.9	481.8	
110°	767.9	631.0	557.1	524.0	501.2	480.1	447.1	
120°	795.0	649.7	567.3	529.6	505.6	483.6	445.5	
135°	882.1	708.4	607.0	550.5	521.5	499.5	459.5	
150°	1031.9	812.2	691.7	614.0	568.1	538.3	500.7	
Run VMG	1191.6	937.9	798.7	708.9	646.6	587.4	527.1	
Selected Courses								
Windward / Leeward	1336.8	1074.0	934.2	844.4	781.4	741.3	720.5	
Circular Random	1091.6	872.1	751.7	680.1	636.0	608.6	581.3	
Coastal / Long Distance	1322.3	999.5	824.6	711.2	644.0	598.1	536.4	
Non Spinnaker	1145.9	909.1	777.7	698.6	649.4	618.9	588.8	
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	48.8°	47.3°	47.3°	47.3°	47.4°	47.1°	48.4°	
Beat VMG	2.43	2.98	3.37	3.67	3.93	4.02	3.94	
52°	3.91	4.74	5.34	5.84	6.19	6.32	6.28	
60°	4.30	5.14	5.78	6.25	6.53	6.66	6.69	
75°	4.63	5.48	6.15	6.55	6.79	6.96	7.14	
90°	4.62	5.60	6.38	6.79	7.05	7.22	7.47	
110°	4.69	5.71	6.46	6.87	7.18	7.50	8.05	
120°	4.53	5.54	6.35	6.80	7.12	7.44	8.08	
135°	4.08	5.08	5.93	6.54	6.90	7.21	7.84	
150°	3.49	4.43	5.20	5.86	6.34	6.69	7.19	
Run VMG	3.02	3.84	4.51	5.08	5.57	6.13	6.83	
Gybe Angles	145.5°	146.5°	146.0°	146.5°	172.0°	173.5°	177.0°	