



ORC

Offshore Racing Congress
World leader in rating technology

**2020
ORC Club
Certificate**

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



Certificate
Number **00524**
Issued On **10/06/2020**
ORC Ref **03420000KCH**
VPP Ver. **2020 1.02**
Valid until **28/02/2021**

Crew Weight

Default	424kg
Maximum	250kg
Minimum*	165kg

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

Special Scoring

ToD	ToT
Non Spin GPH 820.5	0.7313
Non Spin OSN 789.8	0.7597

Sails Limitations

Headsails **1** Spinnakers **4**

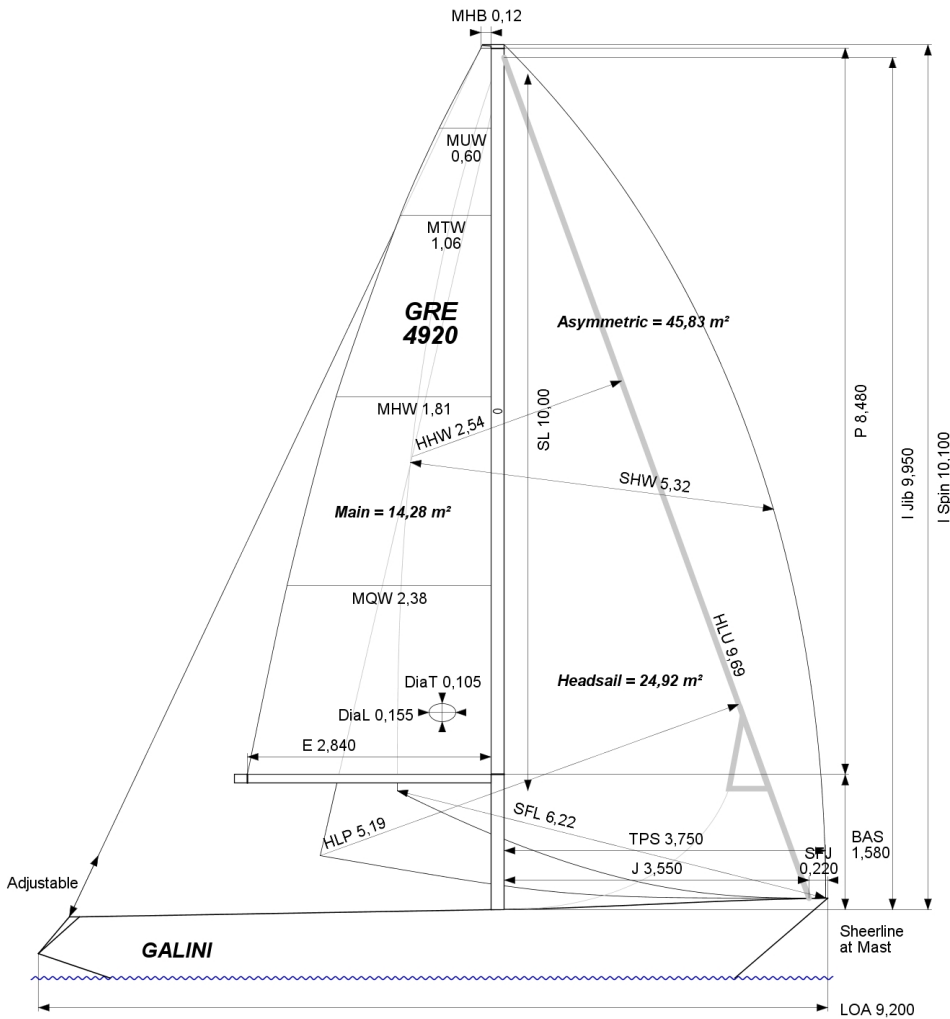
Asymmetric on centerline

Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 45.83**
Flying H/S: **No**
Spin. Pole: **No**

Class Division Length
CDL = **6.304**

Stability (Estimated)
Limit Positive Stab.: **115.8°**
Stability Index: **120.3**

Owner



BOAT Name GALINI Sail Nr GRE-4920		GPH 787.6	HULL Data File GR4920 LOA 9.200m Offset File AIK31#.OFF MB 2.646m Displacement 4,012kg Draft 1.688m					
CLASS Class AIKIDO 31 Designer Builder CONSTR.NAUTIQUES Series 01/1973 Age Date 01/1973 Age Allowance 0.487%			IMS Division Cruiser/Racer Dynamic All. 0.642% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No			IMSL 7.409m VCGD -0.053m Sink 11.99kg/mm RL 5.198m VCGM -0.027m WS 18.31m² LSM0 7.118m Displacement/Length ratio 11.1247		
COMMENTS			Water Ballast 0 Trim Tab No BLR Index 0.0000					
PROPELLER Installation Shaft non exposed PRD 0.300 Type Solid 3 blades PIPA 0.0054			CENTERBOARD N/A					
SCORING OPTIONS								
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD				
Time on Distance	763.8			861.2				
Time on Time	0.7856			0.7838				
Triple Number	Low	Medium	High	Low	Medium	High		
Time on Distance	921.4	693.4	607.9	1188.2	874.8	737.4		
Time on Time	0.7326	0.9734	1.1103	0.5681	0.7716	0.9154		

BOAT	
Name GALINI	Sail Nr GRE-4920
File GR4920	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 8.480	E 2.840 MDT1 0.105 MW
IG 9.950	J 3.550 MDL1 0.155 GO
ISP 10.100	SFJ 0.220 MDT2 BD
BAS 1.580	SPL 0.000 MDL2 MWT
FSD -2.000	TPS 3.750 TL -3.000 MCG

INCLINING TEST AND FREEBOARDS			
Inclining Test Club Estimated VCG			
Flotation date 10/04/2005		SG	
FFM 0.910	FF 0.919	SFFP 0.730	
FAM 0.700	FA 0.706	SAFP 8.722	
LCF from stem on CL / on sheer		4.998 / 5.170	
Maximum beam station from stem		4.556	
RM Measured		51.1kg-m	
RM Default		49.6kg-m	
Limit of positive stability / Stab.Index		115.8° / 120.3	
Freeboard at mast at 3.770		0.797	



2020
Measurements
Datasheet

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Shaft non exposed	PRD 0.300		
Type Solid 3 blades	PBW		
Twin Screw No	PIPA 0.0054		
PSA	PHD	ESL	
PSD	PHL		

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COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ORC	0.12	0.60	1.06	1.81	2.38	14.28					* Copied from legacy					
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.05	0.63	1.27	2.54	3.86	5.19	9.69	146%	24.92		No		07/05/2007		Unknow	
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ASYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
1	10.55	9.45	10.00	5.32	6.22	45.84	asym		07/05/2007		Unknown					

2020

ORC Club Certificate Appendix

BOAT	
Name	GALINI
Sail Nr	GRE-4920
Certificate Number	00524
Issued On	10/06/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1377.5	1138.0	1011.1	926.2	873.7	851.2	841.6
52°	895.4	758.2	673.6	619.7	594.3	583.2	577.0
60°	846.1	720.8	639.9	597.5	577.2	566.2	558.8
75°	812.0	690.8	615.5	581.0	562.8	550.3	534.8
90°	821.7	679.1	597.1	564.4	550.5	543.6	520.9
110°	809.1	666.9	589.1	556.9	535.8	517.3	494.8
120°	837.8	687.1	598.9	561.7	538.9	518.6	483.0
135°	924.7	749.0	639.9	581.7	553.6	532.9	495.1
150°	1079.1	858.1	735.5	652.8	607.9	575.6	538.4
Run VMG	1246.1	990.9	849.3	753.8	694.6	629.4	565.0
Selected Courses							
Windward / Leeward	1311.8	1064.4	930.2	840.0	784.1	740.3	703.3
Circular Random	1099.6	882.2	763.4	693.0	649.3	621.2	589.1
Coastal / Long Distance	1305.2	998.8	829.6	719.1	660.6	618.0	559.1
Non Spinnaker	1164.3	926.4	794.3	714.6	664.4	632.3	596.9

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	43.9°	42.0°	41.3°	41.6°	41.6°	41.3°	41.3°
Beat VMG	2.61	3.16	3.56	3.89	4.12	4.23	4.28
52°	4.02	4.75	5.34	5.81	6.06	6.17	6.24
60°	4.25	4.99	5.63	6.03	6.24	6.36	6.44
75°	4.43	5.21	5.85	6.20	6.40	6.54	6.73
90°	4.38	5.30	6.03	6.38	6.54	6.62	6.91
110°	4.45	5.40	6.11	6.46	6.72	6.96	7.28
120°	4.30	5.24	6.01	6.41	6.68	6.94	7.45
135°	3.89	4.81	5.63	6.19	6.50	6.76	7.27
150°	3.34	4.20	4.89	5.51	5.92	6.25	6.69
Run VMG	2.89	3.63	4.24	4.78	5.18	5.72	6.37
Gybe Angles	145.0°	145.8°	145.0°	145.5°	170.5°	172.0°	176.0°