



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 **01966**
Issued On **27/03/2020**
ORC Ref **03420000F98**
VPP Ver. **2020 1.01**
Valid until **28/02/2021**

Crew Weight

Default	500kg
Maximum	500kg
Minimum*	375kg

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

Special Scoring

ToD	ToT
Non Spin GPH 796.9	0.7529
Non Spin OSN 768.9	0.7804

Sails Limitations

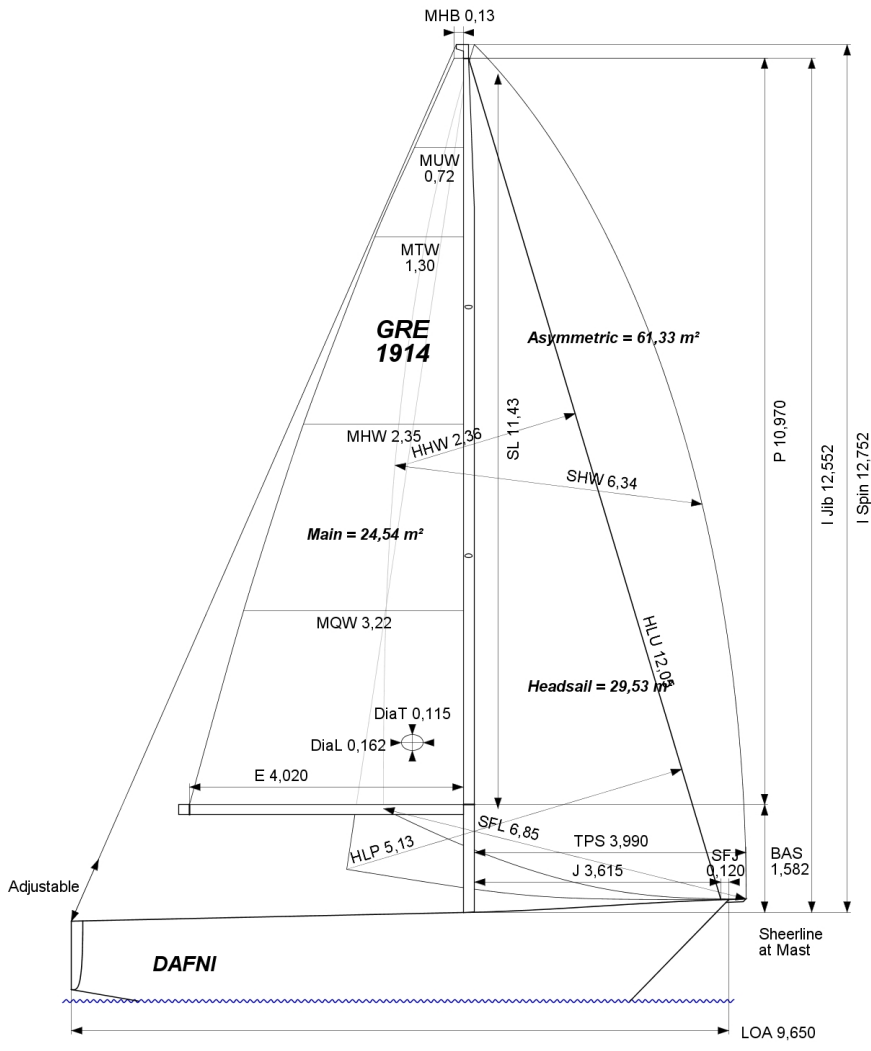
Headsails **5** Spinnakers **4**
Woven Polyester
Asymmetric on centerline

Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes** **61.33**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length
CDL = 6.504

Stability (Estimated)
Limit Positive Stab.: **128.3°**
Stability Index: **129.9**

Owner



BOAT Name DAFNI Sail Nr GRE-1914		GPH 768.8	HULL Data File GR1914 LOA 9.650m Offset File nord32cl.off MB 3.320m Displacement 5,200kg Draft 1.503m			
CLASS Class NORDSHIP 32 Designer PAUL ELVSTROM Builder NORDSHIP Series 01/1985 Age Date 01/1986 Age Allowance 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.670% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No		IMSL 7.929m VCGD -0.041m Sink 15.61kg/mm RL 5.078m VCGM -0.055m WS 22.50m² LSM0 7.990m Displacement/Length ratio 10.1944		
COMMENTS Builder's displacement.		Water Ballast 0 Trim Tab No BLR Index 0.0000				
PROPELLER Installation Strut PRD 0.410 Type Solid 2 blades PBW 0.124 PIPA 0.0174		CENTERBOARD N/A				
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	747.5			849.7		
Time on Time	0.8027			0.7944		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	899.3	676.4	595.2	1175.3	860.9	733.0
Time on Time	0.7506	0.9980	1.1340	0.5743	0.7841	0.9209

BOAT	
Name DAFNI	Sail Nr GRE-1914
File GR1914	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Club Estimated VCG			
Flotation date 01/01/2013		SG 1.0262	
FFM 1.454	FF 1.454	SFFP 1.120	
FAM 1.164	FA 1.164	SAFP 9.633	
LCF from stem on CL / on sheer		5.705 / 5.920	
Maximum beam station from stem		6.117	
RM Measured		97.6kg-m	
RM Default		94.8kg-m	
Limit of positive stability / Stab.Index		128.3° / 129.9	
Freeboard at mast at 3.735		1.304	

RIG			
Forestay Tension Aft	Spreaders 2		
Inner Stay None Fitted	Runners/Checkstays 0		
Carbon Mast No	Jib Furler No		
Fiber Rigging No	Main Furler No		
Non-Circular Rigging No			
Articulated Bowsprit No			
P 10.970	E 4.020	MDT1 0.115	MW
IG 12.552	J 3.615	MDL1 0.162	GO
ISP 12.752	SFJ 0.120	MDT2	BD 0.150
BAS 1.582	SPL 4.000	MDL2	MWT
FSD 0.031	TPS 3.990	TL -2.000	MCG



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2020
Measurements
Datasheet

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.410		
Type Solid 2 blades	PBW 0.124		
Twin Screw No	PIPA 0.0174		
ST1 0.050	ST3 0.170	ST5 0.250	
ST2 0.170	ST4 0.100	EDL 1.700	

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COMMENTS	
Builder's displacement.	

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	0.13	0.72	1.30	2.35	3.22	24.54		23/02/2020	DUSTOM	Dacron						
HEADSAILS (2)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.06	0.57	1.14	2.36	3.67	5.13	12.05	142%	29.53	No	No		23/02/2020	DE VRIES	Dacron	No 1
2	0.07	0.39	0.75	1.56	2.48	3.49	11.80	97%	19.48	No	No		23/02/2020	DUSTOM	Dacron	WJ
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	11.80	11.05	11.43	6.34	6.85	61.34	asym		19/08/2010		Nylon	FROM KAMAYA V				

2020

ORC Club Certificate Appendix

BOAT	
Name DAFNI	Certificate Number 01966
Sail Nr GRE-1914	Issued On 27/03/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1414.1	1160.2	1026.6	937.0	885.0	867.4	877.0
52°	892.5	743.5	660.8	607.5	581.1	571.7	571.4
60°	824.3	694.6	619.7	580.2	560.0	550.0	547.0
75°	781.6	659.2	591.8	560.8	542.8	529.7	516.1
90°	776.7	640.2	570.1	540.7	523.6	515.5	494.8
110°	766.2	630.1	564.4	534.8	511.8	490.5	462.4
120°	794.0	650.7	573.5	540.3	516.5	493.7	456.1
135°	879.3	710.6	609.9	559.4	532.8	510.6	469.9
150°	1027.7	814.4	696.2	620.8	577.4	550.4	513.4
Run VMG	1186.7	940.4	803.9	716.8	655.9	597.4	540.4
Selected Courses							
Windward / Leeward	1300.4	1050.3	915.3	826.9	770.5	732.4	708.7
Circular Random	1074.6	861.2	744.9	676.4	634.4	608.2	580.5
Coastal / Long Distance	1289.0	980.3	812.1	703.9	643.7	601.8	542.8
Non Spinnaker	1130.8	899.2	771.2	694.6	647.1	617.3	585.6

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	46.5°	45.0°	45.0°	44.8°	44.6°	44.6°	45.2°
Beat VMG	2.55	3.10	3.51	3.84	4.07	4.15	4.10
52°	4.03	4.84	5.45	5.93	6.20	6.30	6.30
60°	4.37	5.18	5.81	6.20	6.43	6.55	6.58
75°	4.61	5.46	6.08	6.42	6.63	6.80	6.98
90°	4.63	5.62	6.32	6.66	6.88	6.98	7.28
110°	4.70	5.71	6.38	6.73	7.03	7.34	7.78
120°	4.53	5.53	6.28	6.66	6.97	7.29	7.89
135°	4.09	5.07	5.90	6.44	6.76	7.05	7.66
150°	3.50	4.42	5.17	5.80	6.24	6.54	7.01
Run VMG	3.03	3.83	4.48	5.02	5.49	6.03	6.66
Gybe Angles	145.5°	146.3°	145.5°	146.5°	172.0°	174.0°	178.0°