



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 **00625**
Issued On **26/06/2020**
ORC Ref **03420000LIN**
VPP Ver. **2020 1.02**
Valid until **28/02/2021**

Crew Weight

Default	570kg
Maximum	400kg
Minimum*	300kg

*when applied by the NoR and SI

Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	722.7	0.8302
Non Spin OSN	698.2	0.8593

Sails Limitations

Headsails **5** Spinnakers **4**

Spinnaker configuration

Symmetric: **Yes** **85.02**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

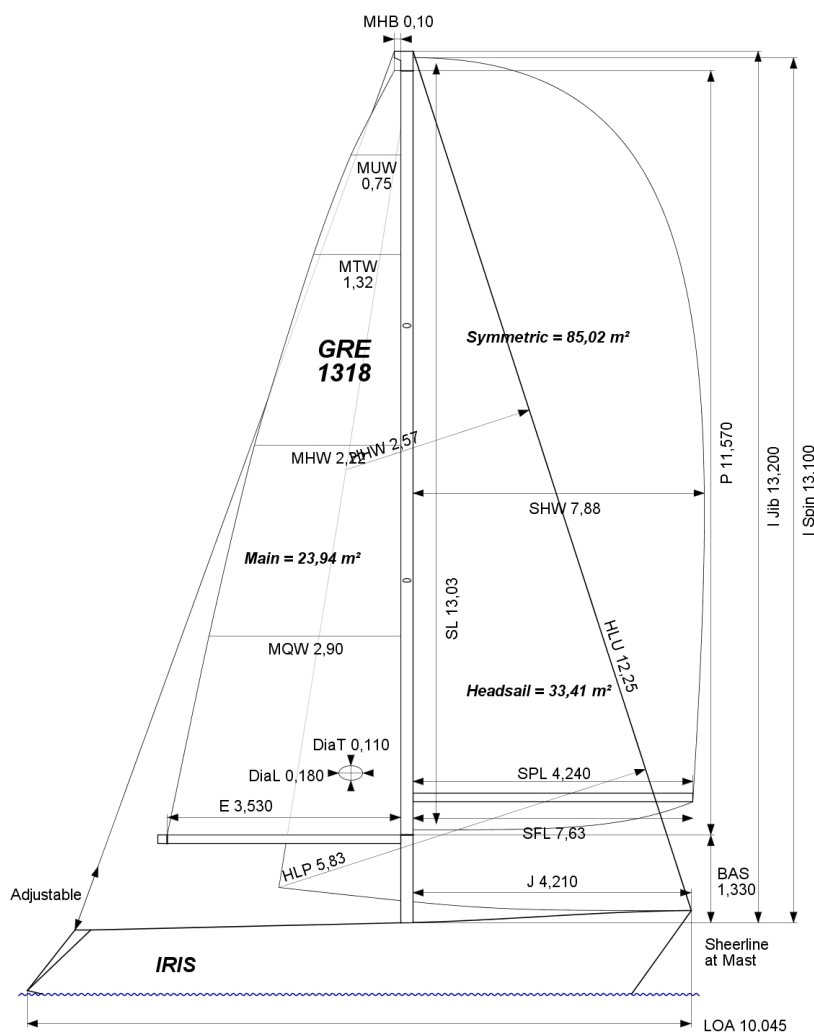
Class Division Length

CDL = **7.882**

Stability (Estimated)

Limit Positive Stab.: **109.1°**
Stability Index: **108.1**

Owner



BOAT			GPH		HULL		
Name IRIS Sail Nr GRE-1318			684.3		Data File GR1318	LOA 10.045m	
					Offset File H007.BOF	MB 3.504m	
					Displacement 4,884kg	Draft 1.811m	
CLASS					IMS Division Cruiser/Racer	Dynamic All. 0.275%	
Class SUNRISE 35					Plan Review	Construction Solid	
Designer JACQUES FAUROUX					Fiber Rigging No	Aramid Core No	
Builder JEANNEAU					Crew Arm Ex	Carbon Rudder No	
Series 04/1988					Light Stanchions No		
Age Date 03/1988					IMSL 8.768m	VCGD 0.122m	
Age Allowance 0.487%					RL 6.995m	VCGM 0.141m	
					WS 23.21m²		
COMMENTS					LSM0 8.758m Displacement/Length ratio 7.2704		
ex "DAMOKLIS"					Water Ballast 0 Trim Tab No		
					BLR Index 0.0000		
PROPELLER					CENTERBOARD		
Installation Shaft exposed			PRD 0.405				
Type Folding 2 blades			PBW 0.110				
			PIPA 0.0041				
SCORING OPTIONS							
	COASTAL / LONG DISTANCE				WINDWARD / LEEWARD		
Time on Distance	663.2				738.1		
Time on Time	0.9047				0.9145		
Triple Number	Low	Medium	High	Low	Medium	High	
Time on Distance	790.2	604.4	538.4	1017.6	743.6	641.7	
Time on Time	0.8542	1.1168	1.2536	0.6633	0.9077	1.0519	

BOAT	
Name IRIS	Sail Nr GRE-1318
File GR1318	Data in meters/kilograms

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 11.570	E 3.530 MDT1 0.110 MW
IG 13.200	J 4.210 MDL1 0.180 GO
ISP 13.100	SFJ 0.000 MDT2 BD
BAS 1.330	SPL 4.240 MDL2 MWT
FSD -3.000	TPS TL -3.000 MCG

MIZZEN RIG AND SAILS	
N/A	

COMMENTS	
ex "DAMOKLIS"	

INCLINING TEST AND FREEBOARDS	
Inclining Test Club Estimated VCG	
Flotation date 19/05/2008	SG
FFM 1.199	FF 1.255 SFFP 0.341
FAM 0.987	FA 0.964 SAFF 9.076
LCF from stem on CL / on sheer 5.835 / 6.069	
Maximum beam station from stem 6.428	
RM Measured 100.4kg-m	
RM Default 97.5kg-m	
Limit of positive stability / Stab.Index 109.1° / 108.1	
Freeboard at mast at 4.210 1.077	

PROPELLER	
Installation Shaft exposed	PRD 0.405
Type Folding 2 blades	PBW 0.110
Twin Screw No	PIPA 0.0041
PSA 23.000	PHL 0.115 ST3 0.088 ESL 0.960
PSD 0.025	ST1 0.022 ST4 0.053
PHD 0.045	ST2 0.090 ST5 0.203

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	



2020
Measurements
Datasheet

Certificate

Number **00625**
ORC Ref **03420000LIN**
Issued On **26/06/2020**
VPP Ver. **2020 1.02**
Valid until **28/02/2021**



SAILS INVENTORY																
MAINSAIL (2)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ORC	0.10	0.75	1.32	2.22	2.90	23.94		27/03/2017		Unknown						
1	0.10	0.75	1.30	2.19	2.92	23.87		30/06/2010	KAKITSIS	Dacron						
HEADSAILS (2)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
2	0.03	0.61	1.22	2.57	4.11	5.83	12.25	138%	33.41		No		08/05/2012		Unknow	
1	0.04	0.49	1.06	2.31	3.61	4.86	10.86	115%	25.61		No		21/07/2011		Unknow	
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	13.03	13.03	13.03	7.88	7.63	85.03		30/06/2010	KAKITSIS	Nylon						
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				

MEASUREMENT INVENTORY				
Measurer				
Date				
Comment				
Internal Ballast total = 0.0				
Id	Item	Weight	Distance	VCG Description
4	Anchor	15.0	0.00	
4	Chain	99.4	0.70	
Id	Item	Weight Description		

MEASUREMENT INVENTORY				
Id	Item	Weight	Distance	VCG Description

2020

ORC Club Certificate Appendix

BOAT								
Name	IRIS			Certificate Number		00625		
Sail Nr	GRE-1318			Issued On		26/06/2020		
TIME ALLOWANCES								
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	
Beat VMG	1185.3	984.3	870.4	798.4	767.4	756.8	760.9	
52°	771.0	653.9	585.2	552.4	537.5	532.0	530.5	
60°	728.6	621.7	564.5	538.5	524.7	517.2	514.1	
75°	699.6	597.9	549.9	527.2	512.0	500.2	487.3	
90°	708.1	593.3	538.5	519.3	508.0	493.3	467.9	
110°	693.1	574.7	526.9	502.0	481.2	467.4	449.2	
120°	710.8	585.1	531.1	504.1	480.2	458.1	430.9	
135°	778.5	634.8	553.3	519.0	494.9	470.8	427.9	
150°	917.1	729.0	616.3	549.8	519.3	497.0	453.2	
Run VMG	1059.0	841.9	711.3	624.9	566.4	529.8	485.7	
Selected Courses								
Windward / Leeward	1122.1	913.1	790.9	711.6	666.9	643.3	623.3	
Circular Random	946.4	762.7	663.6	606.0	571.1	549.1	523.9	
Coastal / Long Distance	1115.8	856.9	711.8	624.0	579.9	547.9	499.8	
Non Spinnaker	1014.7	811.3	699.9	634.1	593.6	567.9	538.6	
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	43.1°	42.0°	41.3°	40.5°	39.8°	39.4°	39.8°	
Beat VMG	3.04	3.66	4.14	4.51	4.69	4.76	4.73	
52°	4.67	5.51	6.15	6.52	6.70	6.77	6.79	
60°	4.94	5.79	6.38	6.69	6.86	6.96	7.00	
75°	5.15	6.02	6.55	6.83	7.03	7.20	7.39	
90°	5.08	6.07	6.69	6.93	7.09	7.30	7.69	
110°	5.19	6.26	6.83	7.17	7.48	7.70	8.01	
120°	5.06	6.15	6.78	7.14	7.50	7.86	8.35	
135°	4.62	5.67	6.51	6.94	7.27	7.65	8.41	
150°	3.93	4.94	5.84	6.55	6.93	7.24	7.94	
Run VMG	3.40	4.28	5.06	5.76	6.36	6.80	7.41	
Gybe Angles	147.0°	150.5°	150.5°	158.0°	180.0°	180.0°	180.0°	