



2020
ORC Club
Certificate

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



Certificate
Number **01226**
Issued On **10/06/2020**
ORC Ref **0342000KC1**
VPP Ver. **2020 1.02**
Valid until **28/02/2021**

Crew Weight

Default	541kg
Maximum	400kg
Minimum*	300kg

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

Special Scoring

ToD	ToT
Non Spin GPH 754.6	0.7951
Non Spin OSN 727.0	0.8253

Sails Limitations

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

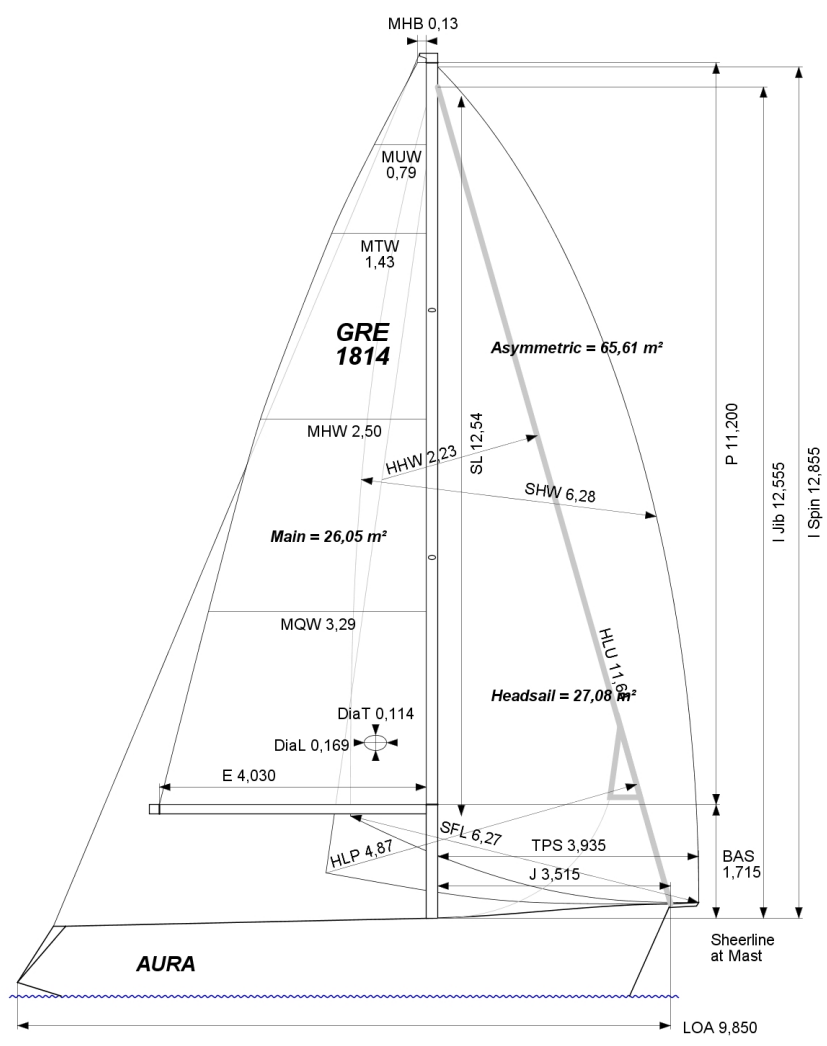
Asymmetric on centerline

Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 65.61**
Flying H/S: **No**
Spin. Pole: **No**

Class Division Length
CDL = **7.372**

Stability (Estimated)
Limit Positive Stab.: **110.6°**
Stability Index: **110.1**

Owner



BOAT Name AURA Sail Nr GRE-1814		GPH 718.7	HULL Data File GR1814 LOA 9.850m Offset File duf325sk.off MB 3.384m Displacement 4,700kg Draft 1.513m			
CLASS Class DUFOUR 325 GL Designer Felci Builder Dufour Series 01/2005 Age Date Age Allowance 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.362% Plan Review Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No		IMSL 8.676m VCGD 0.068m Sink 17.31kg/mm RL 6.066m VCGM 0.176m WS 22.17m² LSM0 8.442m Displacement/Length ratio 7.8120		
COMMENTS Builder's displacement.		Water Ballast 0 Trim Tab No BLR Index 0.0000		CENTERBOARD N/A		
PROPELLER Installation Strut PRD 0.405 Type Solid 2 blades PBW 0.119 PIPA 0.0166						
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	697.1			789.8		
Time on Time	0.8607			0.8546		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	847.0	630.5	552.3	1108.7	799.9	677.7
Time on Time	0.7969	1.0705	1.2221	0.6088	0.8439	0.9960

BOAT	
Name AURA	Sail Nr GRE-1814
File GR1814	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS		
Inclining Test Club Estimated VCG		
Flotation date 27/06/2017	SG 1.0255	
FFM 1.389	FF 1.389	SFFP 0.177
FAM 1.051	FA 1.051	SAFP 9.128
LCF from stem on CL / on sheer		5.322 / 5.574
Maximum beam station from stem		6.432
RM Measured		111.9kg-m
RM Default		108.6kg-m
Limit of positive stability / Stab.Index		110.6° / 110.1
Freeboard at mast at 3.515		1.175



2020
Measurements
Datasheet

RIG			
Forestay Tension Fixed	Runners/Checkstays 0		Spreaders 2
Inner Stay None Fitted	Main Furler No		Jib Furler Yes
Carbon Mast No	Articulated Bowsprit No		Fiber Rigging No
Non-Circular Rigging No	P 11.200		E 4.030
IG 12.555		J 3.515	MDT1 0.114
ISP 12.855		SFJ	MDT2
BAS 1.715		SPL	MDL2
FSD 0.037		TPS 3.935	TL -3.000
		MW	GO
		BD	MWT
		MCG	

MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD 0.405	
Type Solid 2 blades	PBW 0.119	
Twin Screw No	PIPA 0.0166	
ST1	ST3	ST5
ST2	ST4	EDL

Certificate

Number **01226**
 ORC Ref **03420000KC1**
 Issued On **10/06/2020**
 VPP Ver. **2020 1.02**
 Valid until **28/02/2021**



COMMENTS	
Builder's displacement.	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS INVENTORY																
MAINSAIL (2)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
2	0.13	0.79	1.43	2.50	3.29	26.06		17/05/2019	BANKS	Polyester						
1	0.07	0.63	1.19	2.21	3.09	23.92		19/06/2017	ELVSTROEM	Dacron						
HEADSAILS (2)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
2	0.06	0.55	1.08	2.23	3.49	4.87	11.64	139%	27.08		No		15/05/2020	QUANTUM	Dacron	
1	0.05	0.50	0.99	2.11	3.40	4.82	11.59	137%	26.07		No		22/06/2017	ELVSTROEM	Dacron	
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				
2	13.28	11.80	12.54	6.28	6.27	65.61	asym		26/05/2019	KAKITSIS	Nylon					

2020

ORC Club Certificate Appendix

BOAT	
Name AURA	Certificate Number 01226
Sail Nr GRE-1814	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	1330.2	1084.5	949.3	857.4	803.1	788.0	797.2
52°	840.4	697.7	616.0	564.0	540.0	531.6	530.8
60°	778.3	653.5	580.4	542.0	523.2	513.8	510.9
75°	736.7	620.0	556.0	526.4	508.8	495.8	482.3
90°	730.1	600.8	535.7	508.5	494.8	487.2	462.9
110°	720.2	590.6	530.0	501.9	479.1	458.4	433.8
120°	747.6	609.6	538.6	507.2	483.5	460.7	421.7
135°	832.8	669.0	573.6	526.2	500.3	477.6	436.2
150°	978.8	770.8	654.6	582.0	542.0	517.1	480.7
Run VMG	1130.2	890.0	755.9	672.0	625.1	567.1	509.9
Selected Courses							
Windward / Leeward	1230.2	987.2	852.6	764.7	714.1	677.6	653.6
Circular Random	1010.4	807.1	696.0	630.3	589.9	564.7	537.3
Coastal / Long Distance	1220.2	921.5	757.7	653.6	598.2	559.9	504.5
Non Spinnaker	1079.9	854.9	729.7	654.3	607.5	578.1	547.3

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°	44.6°	43.5°	43.5°	42.8°	42.0°	42.9°
Beat VMG	2.71	3.32	3.79	4.20	4.48	4.57	4.52
52°	4.28	5.16	5.84	6.38	6.67	6.77	6.78
60°	4.63	5.51	6.20	6.64	6.88	7.01	7.05
75°	4.89	5.81	6.47	6.84	7.08	7.26	7.46
90°	4.93	5.99	6.72	7.08	7.28	7.39	7.78
110°	5.00	6.10	6.79	7.17	7.51	7.85	8.30
120°	4.82	5.91	6.68	7.10	7.45	7.81	8.54
135°	4.32	5.38	6.28	6.84	7.20	7.54	8.25
150°	3.68	4.67	5.50	6.19	6.64	6.96	7.49
Run VMG	3.19	4.04	4.76	5.36	5.76	6.35	7.06
Gybe Angles	146.0°	146.5°	146.5°	147.0°	174.0°	176.0°	178.0°