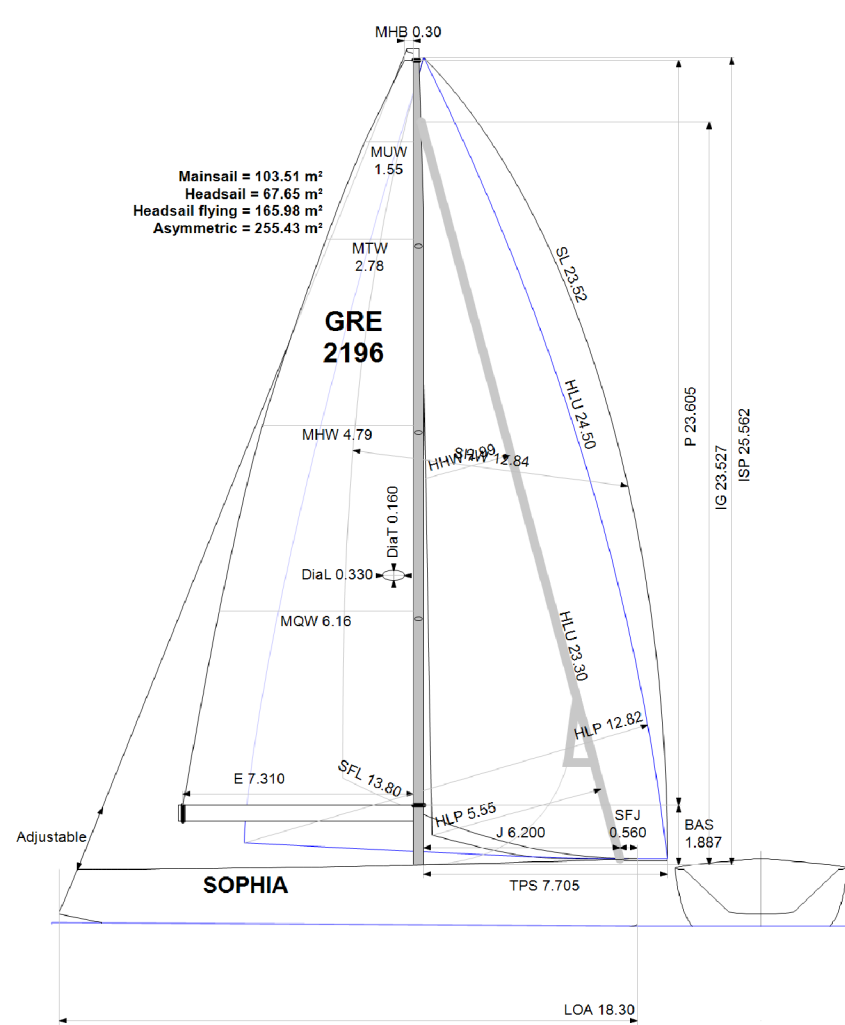




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GRE-2196

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APH ToD: **444.0** CDL: **14.800**
APH ToT: **1.3513** CertNo: 02281

BOAT
Class **DUF0UR 63 Exclusive**
Designer **FELCI**
Builder **DUF0UR**
Age date **08/2018**
Series date **10/2017**
Offset file **cluf63excl.off**
Data file **GR2196**

HULL
Length Overall **18.300 m**
Maximum Beam **5.470 m**
Draft **2.791 m**
Displacement **23.650 kg**
DLR **4.9669**
IMS Division **Cruiser/Racer**
Dynamic Allowance **0.270%**
Age Allowance **0.260%**

PROPELLER
Installation **Shaft exposed**
Type **Feathering 4 blades**
Diameter **0.606m**

CREW
Maximum weight **1,445 kg** (default)
Minimum weight **1,229 kg** * when applied
Non Manual Power **Yes**
Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	103.51	106.10
Headsail Luffed	67.65	67.65
Headsail Flying	165.98	165.98
Symmetric		
Asymmetric	255.43	255.43

(All asymmetric spinnakers with SHWS/SL > 85%)

STORM SAIL AREAS (m²)

Trysail	30.20
Storm Jib	27.68
Heavy Weather Jib	74.73

SAIL LIMITS
Headsails **8** * One set on the forestay
Spinnakers **6**

STABILITY
Righting Moment **N/A**
Stability Index **N/A**

COMMENTS
Builder's displacement.
The owner and any other person in charge is responsible that boat is complying with her certificate in accordance with RRS 78.1 and ORC Rule 304.

Rated boat velocities in knots										
Wind Velocity	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt	
Beat Angles	46.7°	46.7°	44.6°	42.5°	41.5°	40.3°	40.0°	39.7°	40.2°	
Beat VMG	2.94	4.15	5.14	5.74	6.04	6.32	6.48	6.64	6.64	
52°	4.74	6.57	7.96	8.69	9.04	9.27	9.44	9.63	9.68	
60°	5.28	7.15	8.47	9.17	9.47	9.63	9.78	9.97	10.04	
75°	5.79	7.68	8.91	9.59	9.94	10.14	10.28	10.51	10.69	
90°	5.82	7.71	8.95	9.67	10.14	10.50	10.77	11.12	11.38	
110°	5.23	7.06	8.42	9.46	10.10	10.61	11.01	11.61	12.39	
120°	4.71	6.62	8.21	9.32	10.01	10.57	11.14	12.16	12.90	
135°	4.15	5.91	7.44	8.66	9.52	10.12	10.68	11.92	13.54	
150°	3.40	4.91	6.29	7.50	8.54	9.35	9.91	10.89	11.98	
Run VMG	2.94	4.26	5.45	6.49	7.40	8.12	8.66	9.55	10.40	
Gybe Angles	140.8°	140.8°	143.8°	147.6°	149.7°	151.6°	154.5°	160.9°	157.0°	

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Time Allowances in secs/NM										
Wind Velocity	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt	
Beat VMG	1224.6	867.5	700.2	626.7	595.6	569.3	555.7	542.3	542.3	
52°	758.7	547.9	452.3	414.1	398.4	388.3	381.4	373.9	372.0	
60°	681.9	503.5	424.9	392.7	380.1	373.7	368.0	360.9	358.5	
75°	621.9	468.8	403.8	375.3	362.1	355.1	350.3	342.4	336.7	
90°	619.1	467.0	402.2	372.1	355.2	342.8	334.3	323.6	316.3	
110°	687.9	509.7	427.6	380.6	356.3	339.2	327.0	310.0	290.5	
120°	764.1	543.4	438.6	396.2	359.8	340.5	323.1	296.1	279.0	
135°	868.0	609.5	484.1	415.9	378.2	355.8	337.0	302.0	266.0	
150°	1059.1	732.5	572.0	480.1	421.4	384.9	363.1	330.7	300.4	
Run VMG	1222.9	845.9	660.5	554.4	486.5	443.5	415.9	376.9	346.0	
Selected Courses										
Windward / Leeward	1223.5	856.7	680.4	590.6	541.1	506.4	485.8	459.6	444.2	
All purpose	897.6	641.3	520.3	460.2	428.5	406.9	392.9	373.5	359.7	

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	564.1	1.0636
All purpose	444.0	1.3513

Custom scoring options for Greece

Scoring Option	Time On Distance	Time On Time
Coastal/Long Distance	488.6	1.2280
Triple Number Coastal/Long Distance Low	580.8	1.0331
Triple Number Coastal/Long Distance Medium	441.3	1.3596
Triple Number Coastal/Long Distance High	389.1	1.5420
Triple Number Windward/Leeward Low	768.5	0.7807
Triple Number Windward/Leeward Medium	560.5	1.0705
Triple Number Windward/Leeward High	481.1	1.2471

Performance Curve	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Coastal/Long Distance	1311.1	855.6	636.2	525.6	461.4	423.3	395.6	354.0	341.5

AUS AUT BRA BUL CAN CYP DEN ESP EST FIN FRA GER GRE HUN ISR
JPN KOR LTU NED NOR POR RSA RUS SLO SUI SWE UKR USA

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HULL AND APPENDAGES (Lightship Trim)		Data in meters/kilograms (Metric)			
Class	DUF0UR 63 Exclusive	LOA	18.300	VCGD	6.049
Measurement	23/01/2025	Max. Beam	5.470	VCGM	6.102
HIN		Draft	2.791	RM Rated (kg-m)	901.9
Plan review		Displacement	23.650	Limit of positive stability(°)	N/A
Hull construction	Cored	Wetted area	69.62	Stability Index	N/A
Carbon rudder	No	IMS L	17.027	Default crew weight	1.445
Light stanchions	No	LSM0	16.822	Declared crew weight	N/A
Trim tab	No	Acc. length	17.777		
		Sink (kg/mm)	53.58		

PROPELLER						
Propeller Type	Feathering 4 blades					
Installation	Shaft exposed	PRD	0.606	PSA	17.8°	ST1 0.032 ST4 0.079
Twin screw	No	PBW	0.147	PHD	0.102	ESL 1.470 ST2 0.138 ST5 0.297
Hydro generator	No	PIPA	0.0119	PHL	0.180	ST3 0.138

RIG					
Forestay tension	Att	P	23.605	E	7.310
Inner stay	None Fitted	IG	23.527	J	6.200
Mast material	Carbon	ISP	25.562	BAS	1.887
Single headsail furler	Yes	MDT1	0.160	FSD	Foil
Mainsail furler	No	MDL1	0.330	SFJ	0.560
Articulated bowsprit	No	MDT2		SPL	
Non-circular rigging	No	MDL2		WPL	
Fiber rigging	No	TL	Taper	TPS	7.705
Adjustable mast foot	No	MW		BD	0.500
Running backstays	0	GO		MWT	
Checkstays	0			MCG	
Spreaders	3				
Rotating mast	No				

FLOTATION AND STABILITY	
Calculation method	RM estimated
Flotation Date	01/01/2013

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MAINSAIL										
Id	MHB	MUW	MTW	MHW	MQW	Area	Meas.Date	Comment		
M1	0.30	1.55	2.78	4.79	6.16	103.51	23/01/2025			

HEADSAIL												
Id	HBB	HUW	HTW	HHW	HQW	HLP	HLU	Btn	Flying FT	Area	Meas.Date	Comment
F0	0.04	1.83	3.62	7.05	10.16	12.82	24.50	No	Yes	0	165.98	23/01/2025
J1	0.05	0.80	1.55	2.99	4.33	5.55	23.30	Yes	No		67.65	23/01/2025

ASYMMETRIC SPINNAKER										
Id	SLU	SLE	SL	SHW	SFL	Ratio	Area	Meas.Date	Comment	
A	25.06	21.98	23.52	12.84	13.80	93%	255.43	23/01/2025		

CRUISER/RACER REQUIREMENTS*					
Accommodation length	17.8 m	Table area	0.88 m²	Headroom	1.90 m
Minimum number of berths	8	Personal gear storage	0.32 m³	Fresh water capacity	472 l
Minimum number of seats in cockpit	8	Food storage	0.48 m³	Fuel capacity	206 l
Cabin sole		Stoves		Sinks	
Galley gear storage		Toilet		Wash basin	
Navigation area		Hanging locker			

*This list is a summary of the requirements. See IMS Appendix 1 for details.

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