



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 **00268**
Issued On **12/03/2020**
ORC Ref **03420000ERI**
VPP Ver. **2020 1.01**
Valid until **28/02/2021**

Crew Weight

Default 630kg
Maximum **560kg**
Minimum* **420kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	699.7	0.8575
Non Spin OSN	678.4	0.8844

Sails Limitations

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

Asymmetric on centerline

Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 82.62**
Flying H/S: **No**
Spin. Pole: **No**

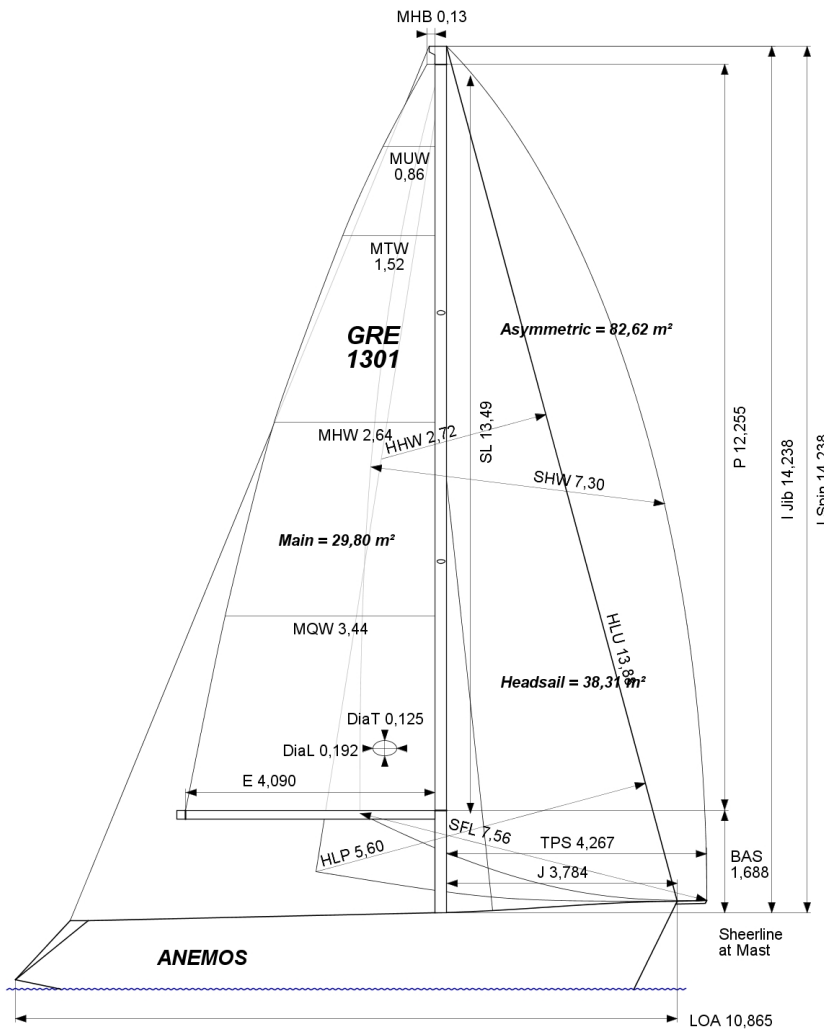
Class Division Length

CDL = 8.283

Stability (Estimated)

Limit Positive Stab.: **104.8°**
Stability Index: **103.9**

Owner



BOAT	GPH	HULL
Name ANEMOS Sail Nr GRE-1301	671.1	Data File GR1301 LOA 10.865m Offset File DUF36C.OFF MB 3.772m Displacement 5,879kg Draft 1.732m
CLASS Class DUFOUR 36 Classic Designer Builder DUFOUR Series 06/1999 Age Date 11/2000 Age Allowance 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.335% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS ex "LYDIA"		IMSL 9.333m VCGD 0.150m Sink 20.19kg/mm RL 7.232m VCGM 0.259m WS 25.36m² LSM0 9.395m Displacement/Length ratio 7.0895
PROPELLER Installation Strut PRD 0.408 Type Feathering 3 blades PBW 0.107 PIPA 0.0032		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	653.5	737.4
Time on Time	0.9181	0.9154
Triple Number	Low Medium High	Low Medium High
Time on Distance	771.4 593.8 531.0	1002.1 744.8 647.6
Time on Time	0.8750 1.1367 1.2713	0.6736 0.9063 1.0423

BOAT			
Name ANEMOS	Sail Nr GRE-1301		
File GR1301	Data in meters/kilograms		
RIG			
Forestay Tension Fixed	Spreaders 2		
Inner Stay Fixed	Runners/Checkstays 0		
Carbon Mast No	Jib Furler No		
Fiber Rigging No	Main Furler No		
Non-Circular Rigging No			
Articulated Bowsprit No			
P 12.255	E 4.090	MDT1 0.125	MW
IG 14.238	J 3.784	MDL1 0.192	GO
ISP 14.238	SFJ 0.000	MDT2	BD
BAS 1.688	SPL	MDL2	MWT
FSD -3.000	TPS 4.267	TL -3.000	MCG

INCLINING TEST AND FREEBOARDS			
Inclining Test Club Estimated VCG			
Flotation date 13/05/2008		SG 1.0300	
FFM 1.374	FF 1.438	SFFP 0.217	
FAM 1.080	FA 1.052	SAFP 9.665	
LCF from stem on CL / on sheer		5.896 / 6.177	
Maximum beam station from stem		6.600	
RM Measured		152.1kg-m	
RM Default		147.6kg-m	
Limit of positive stability / Stab.Index		104.8° / 103.9	
Freeboard at mast at 3.784		1.250	



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2020
Measurements
Datasheet

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Strut	PRD 0.408		
Type Feathering 3 blades	PBW 0.107		
Twin Screw No	PIPA 0.0032		
ST1 0.043	ST3 0.170	ST5 0.335	
ST2 0.170	ST4 0.096	EDL 2.900	

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COMMENTS	
ex "LYDIA"	

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	0.86	1.52	2.64	3.44	29.81		12/03/2019	QUANTUM	Pentex						
HEADSAILS (3)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
2	0.05	0.69	1.35	2.72	4.13	5.60	13.88	148%	38.31		No		12/03/2019	QUANTUM	Unknow	
4	0.07	0.61	1.18	2.43	3.79	5.29	13.97	140%	35.36		No		30/03/2013	QUANTUM	Pentex	
1	0.08	0.64	1.23	2.48	3.77	5.16	13.45	136%	34.02		No		12/09/2008	ZOUGANELI	Pentex	
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	14.50	12.47	13.49	7.30	7.56	82.62	asym		12/03/2019	QUANTUM	Polyester					

MEASUREMENT INVENTORY				
Measurer GRE-21				
Date 28/03/2009				
Comment				
Internal Ballast total = 0.0				
Id	Item	Weight	Distance	VCG Description
2	Anchor	7.5	8.40	DANFORTH
4	Anchor	15.0	0.70	GQR
2	Chain	18.0	8.40	
4	Chain	161.0	0.70	
4	Tools	10.0	5.40	
Id	Item	Maker	Model	
1	Engine	VOLVO PENTA	MD 2030-C	
Id	Item	Weight	Description	

MEASUREMENT INVENTORY								
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description
3	Tank	WATER	PVC hard	160.0	2.20			0-0
2	Tank	WATER	PVC HARD	160.0	6.80			0-0
1	Tank	FUEL	PVC HARD	160.0	6.80			0-0
Id	Item	Weight	Distance	VCG Description				
2	Battery	54.0	8.80	2 x 100 Ah				
1	Battery	34.0	8.80	2X60Ah				
2	Misc	15.0	1.30	ANCHOR WINDLASS (1000W)				
1	Misc	7.0	7.00	WATER HEATER (18L)				

2020

ORC Club Certificate Appendix

BOAT	
Name	ANEMOS
Sail Nr	GRE-1301
Certificate Number	00268
Issued On	12/03/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1160.4	967.1	858.3	785.2	756.8	747.9	757.2
52°	746.2	632.4	565.6	532.2	518.0	513.3	513.0
60°	697.0	595.8	541.9	516.7	503.5	497.7	495.6
75°	662.2	568.6	525.6	504.4	489.7	478.6	468.3
90°	667.0	568.4	516.4	492.4	478.9	470.7	446.6
110°	674.0	559.6	510.7	485.9	464.5	444.9	420.7
120°	695.9	575.6	517.9	490.8	468.8	447.2	410.6
135°	771.2	629.9	547.0	508.0	484.8	463.6	424.4
150°	906.0	722.9	619.2	555.9	521.8	500.7	467.5
Run VMG	1046.2	834.8	715.0	641.9	600.5	547.8	496.0
Selected Courses							
Windward / Leeward	1103.3	900.9	786.6	713.6	678.7	647.9	626.6
Circular Random	924.7	746.7	651.0	595.6	562.0	540.9	517.4
Coastal / Long Distance	1097.6	843.9	703.6	615.6	572.6	539.1	488.0
Non Spinnaker	980.7	784.9	677.8	614.6	575.9	551.8	525.7

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	44.3°	42.8°	42.8°	42.0°	41.3°	40.9°	41.6°
Beat VMG	3.10	3.72	4.19	4.58	4.76	4.81	4.75
52°	4.82	5.69	6.37	6.76	6.95	7.01	7.02
60°	5.17	6.04	6.64	6.97	7.15	7.23	7.26
75°	5.44	6.33	6.85	7.14	7.35	7.52	7.69
90°	5.40	6.33	6.97	7.31	7.52	7.65	8.06
110°	5.34	6.43	7.05	7.41	7.75	8.09	8.56
120°	5.17	6.25	6.95	7.34	7.68	8.05	8.77
135°	4.67	5.72	6.58	7.09	7.43	7.77	8.48
150°	3.97	4.98	5.81	6.48	6.90	7.19	7.70
Run VMG	3.44	4.31	5.04	5.61	5.99	6.57	7.26
Gybe Angles	146.0°	147.5°	147.0°	148.0°	170.0°	176.0°	178.0°