



2020
ORC Club
Certificate

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



Certificate
Number **00241**
Issued On **01/08/2020**
ORC Ref **03420000NK7**
VPP Ver. **2020 1.02**
Valid until **28/02/2021**

Crew Weight

Default	497kg
Maximum	500kg
Minimum*	375kg

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

Special Scoring

ToD	ToT
Non Spin GPH 744.7	0.8057
Non Spin OSN 720.7	0.8325

Sails Limitations

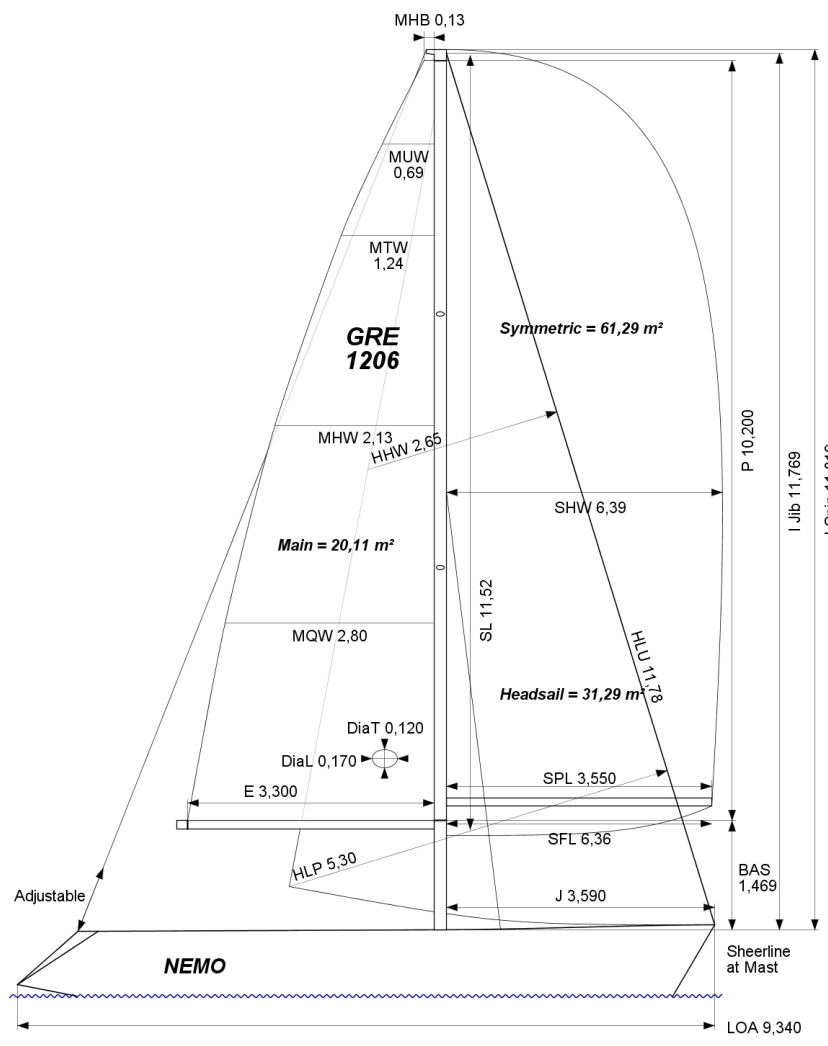
Headsails **5** Spinnakers **4**

Spinnaker configuration
Symmetric: **Yes** **61.29**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length
CDL = **7.214**

Stability (Estimated)
Limit Positive Stab.: **107.1°**
Stability Index: **105.4**

Owner



BOAT Name NEMO Sail Nr GRE-1206		GPH 714.9	HULL Data File GR1206 LOA 9.340m Offset File GR0008.BOF MB 3.408m Displacement 4,466kg Draft 1.628m IMS Division Cruiser/Racer Dynamic All. 0.517% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No IMSL 8.060m VCGD 0.183m Sink 15.15kg/mm RL 6.367m VCGM 0.099m WS 20.15m² LSMO 7.957m Displacement/Length ratio 8.8648 Water Ballast 0 Trim Tab No BLR Index 0.0000																			
CLASS Class ATLANTIC 31 Designer JACOPIN & JACOPIN Builder ATLANTIC Series 04/1993 Age Date 01/1994 Age Allowance 0.487%			<table border="1"> <tr><td colspan="7">CENTERBOARD</td></tr> <tr><td colspan="7">NA</td></tr> </table>						CENTERBOARD							NA						
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NA																						
COMMENTS			PROPELLER Installation Shaft exposed PRD 0.400 Type Feathering 3 blades PIPA 0.0022																			
SCORING OPTIONS																						
Time on Distance	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD																		
	693.6			773.1																		
Time on Time	0.8651			0.8732																		
Triple Number	Low	Medium	High	Low	Medium	High																
Time on Distance	831.1	631.0	554.1	1074.7	782.3	661.5																
Time on Time	0.8122	1.0697	1.2182	0.6281	0.8628	1.0204																

BOAT	
Name NEMO	Sail Nr GRE-1206
File GR1206	Data in meters/kilograms

RIG	
Forestay Tension Aft	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 10.200	E 3.300 MDT1 0.120 MW
IG 11.769	J 3.590 MDL1 0.170 GO
ISP 11.819	SFJ 0.000 MDT2 BD
BAS 1.469	SPL 3.550 MDL2 MWT
FSD -3.000	TPS TL -3.000 MCG

INCLINING TEST AND FREEBOARDS			
Inclining Test Club Estimated VCG			
Flotation date 20/05/2008		SG	
FFM 0.941	FF 0.950	SFFP 0.520	
FAM 0.869	FA 0.874	SAFP 8.260	
LCF from stem on CL / on sheer		4.925 / 5.191	
Maximum beam station from stem		5.622	
RM Measured		84.3kg-m	
RM Default		81.8kg-m	
Limit of positive stability / Stab.Index		107.1° / 105.4	
Freeboard at mast at 3.590		0.886	



ORC
Offshore Racing Congress
World leader in rating technology


2020
Measurements
Datasheet

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Shaft exposed	PRD 0.400		
Type Feathering 3 blades	PBW		
Twin Screw No	PIPA 0.0022		
PSA	PHL	ST3	ESL
PSD	ST1	ST4	
PHD	ST2	ST5	

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COMMENTS	

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	0.69	1.24	2.13	2.80	20.12		01/07/2020	QUANTUM	Pentex						
HEADSAILS (3)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.06	0.70	1.35	2.65	3.95	5.30	11.78	148%	31.29	No	No		10/04/2011		Pentex	
2	0.06	0.62	1.24	2.55	3.92	5.29	11.15	147%	28.97	No	No		10/04/2011		Dacron	
3	0.08	0.30	0.59	1.35	2.28	3.37	11.54	94%	17.34	No	No		10/04/2011		Pentex	
SYMMETRIC SPINNAKERS (2)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
S3	11.52	11.52	11.52	6.39	6.36	61.29				Unknown						
S5	11.33	11.33	11.33	5.84	5.92	55.30		05/05/2005		Nylon						
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				

2020

ORC Club Certificate Appendix

BOAT	
Name NEMO	Certificate Number 00241
Sail Nr GRE-1206	Issued On 01/08/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1243.9	1041.5	920.4	836.9	792.5	774.8	769.2
52°	801.9	678.2	605.9	569.6	551.3	542.6	538.1
60°	753.7	639.6	580.6	553.8	537.9	527.8	520.9
75°	720.8	611.7	563.5	540.6	524.9	511.7	493.7
90°	728.1	615.8	558.0	530.2	513.1	504.3	478.6
110°	738.2	607.1	549.1	521.7	499.5	478.8	451.2
120°	758.9	623.1	555.7	525.8	502.9	480.8	443.5
135°	831.6	679.0	585.4	543.2	518.5	496.3	455.0
150°	973.0	770.7	654.8	579.1	542.7	519.8	478.9
Run VMG	1123.5	889.6	754.1	660.4	593.7	552.3	507.5
Selected Courses							
Windward / Leeward	1183.7	965.5	837.3	748.6	693.1	663.5	638.3
Circular Random	993.5	799.3	693.4	630.6	591.5	566.3	536.3
Coastal / Long Distance	1177.7	904.9	750.5	651.9	600.0	565.5	512.4
Non Spinnaker	1046.7	836.9	721.5	652.4	609.1	581.0	547.9

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°	43.9°	42.9°	42.0°	40.9°	40.1°	40.1°
Beat VMG	2.89	3.46	3.91	4.30	4.54	4.65	4.68
52°	4.49	5.31	5.94	6.32	6.53	6.63	6.69
60°	4.78	5.63	6.20	6.50	6.69	6.82	6.91
75°	4.99	5.89	6.39	6.66	6.86	7.04	7.29
90°	4.94	5.85	6.45	6.79	7.02	7.14	7.52
110°	4.88	5.93	6.56	6.90	7.21	7.52	7.98
120°	4.74	5.78	6.48	6.85	7.16	7.49	8.12
135°	4.33	5.30	6.15	6.63	6.94	7.25	7.91
150°	3.70	4.67	5.50	6.22	6.63	6.93	7.52
Run VMG	3.20	4.05	4.77	5.45	6.06	6.52	7.09
Gybe Angles	147.0°	151.0°	153.0°	157.0°	180.0°	180.0°	180.0°