



2020
ORC Club
Certificate

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



Certificate
Number **00664**
Issued On **11/09/2020**
ORC Ref **03420000Q69**
VPP Ver. **2020 1.02**
Valid until **28/02/2021**

Crew Weight

Default	511kg
Maximum	395kg
Minimum*	296kg

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

Special Scoring

ToD	ToT
Non Spin GPH	736.8 0.8143
Non Spin OSN	711.6 0.8432

Sails Limitations

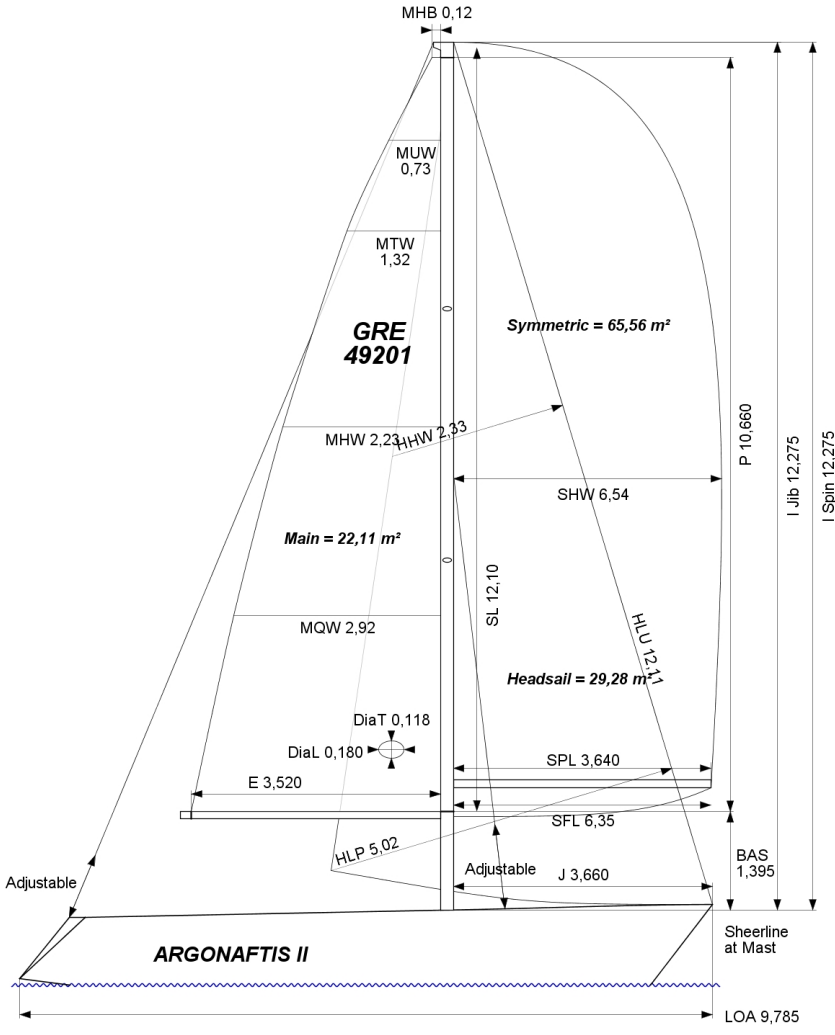
Headsails **5** Spinnakers **4**

Spinnaker configuration
Symmetric: **Yes 65.56**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length
CDL = **7.520**

Stability (Measured)
Limit Positive Stab.: **118.4°**
Stability Index: **118.3**

Owner



BOAT
Name **ARGONAFIS II**
Sail Nr **GRE-49201**

GPH
702.7

HULL

Data File	GR49201	LOA	9.785m
Offset File	H107.BOF	MB	3.316m
Displacement	4,595kg	Draft	1.827m

CLASS

Class	FIRST 32
Designer	JEAN BERRET
Builder	BENETEAU
Series	01/1981
Age Date	01/1981
Age Allowance	0.487%

IMS Division	Cruiser/Racer	Dynamic All.	0.447%
Plan Review		Construction	Solid
Fiber Rigging	No	Aramid Core	No
Crew Arm Ex		Carbon Rudder	No
		Light Stanchions	No

IMSL	8.313m	VCGD	-0.108m	Sink	14.73kg/mm
RL	6.732m	VCGM	-0.007m	WS	20.75m²
LSM0	8.120m Displacement/Length ratio 8.5826				

COMMENTS
ex "RYMI"

Water Ballast **0** Trim Tab **No**
BLR Index **0.0000**

PROPELLER

Installation	Shaft exposed	PRD	0.430
Type	Feathering 2 blades	PBW	0.135
		PIPA	0.0042

CENTERBOARD
N/A

SCORING OPTIONS

	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Low	Medium	High	Low	Medium	High
Time on Distance	680.8			756.8		
Time on Time	0.8813			0.8919		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	811.5	620.6	552.1	1042.8	763.6	656.4
Time on Time	0.8318	1.0876	1.2225	0.6473	0.8840	1.0284

BOAT	Name ARGONAFIS II	Sail Nr GRE-49201
	File GR49201	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 24/06/2005		SG	
FFM 1.099	FF 1.139	SFFP 0.280	
FAM 0.929	FA 0.919	SAFP 8.855	
W1 60.0	PD1 261.0	WD 10.270	
W2 60.0	PD2 261.0	GSA 28.3	
W3 60.0	PD3 261.0	RSA 5944.0	
W4 60.0	PD4 261.0	PLM 2060.0	
LCF from stem on CL / on sheer		5.326 / 5.566	
Maximum beam station from stem		5.910	
RM Measured		84.7kg-m	
RM Default		79.5kg-m	
Limit of positive stability / Stab.Index		118.4° / 118.3	
Freeboard at mast at 3.660		1.059	



ORC
Offshore Racing Congress
World leader in rating technology

2020
Measurements
Datasheet

RIG			
Forestay Tension Aft	Runners/Checkstays 0		Spreaders 2
Inner Stay Adjustable	Jib Furler No		Main Furler No
Carbon Mast No	Fiber Rigging No		Articulated Bowsprit No
P 10.660	E 3.520	MDT1 0.118	MW 0.180
IG 12.275	J 3.660	MDL1 0.180	GO 0.190
ISP 12.275	SFJ 0.000	MDT2 0.118	BD 0.101
BAS 1.395	SPL 3.640	MDL2 0.180	MWT
FSD 0.000	TPS	TL 0.000	MCG

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Shaft exposed	PRD 0.430		
Type Feathering 2 blades	PBW 0.135		
Twin Screw No	PIPA 0.0042		
PSA 26.200	PHL 0.110	ST3 0.101	ESL 0.770
PSD 0.025	ST1 0.020	ST4 0.050	
PHD 0.045	ST2 0.096	ST5 0.145	

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COMMENTS	
ex "RYMI"	

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	0.12	0.73	1.32	2.23	2.92	22.11		30/03/2008		Dacron						
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.05	0.57	1.12	2.33	3.65	5.02	12.11	137%	29.28		No		28/03/2012	KAKITSIS	Pentex	
SYMMETRIC SPINNAKERS (2)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
S1	12.10	12.10	12.10	6.54	6.35	65.57		14/03/2009		Unknown						
S2	11.94	11.94	11.94	6.50	6.40	64.48		30/03/2008		Unknown						
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				

MEASUREMENT INVENTORY				
Measurer				
Date 24/06/2005				
Comment				
Internal Ballast total = 0.0				
Id	Item	Weight	Distance	VCG Description
4	Anchor	26.0	0.80	Bruce 8kg +
2	Anchor	99.0	3.70	Bruce 7.5kg +
4	Foels	14.0	3.80	Foelcase
Id	Item	Maker	Model	
1	Engine	YANMAR		
Id	Item	Weight	Description	
4	Deck-Gear	10.0		

MEASUREMENT INVENTORY									
Id	Item	Tank	Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description
1	Tank	Water		Plastic	100.0	4.40			0.0
2	Tank	Fuel		Inox	60.0	9.40			10.0
Id	Item	Weight	Distance	VCG Description					
1	Battery	16.0	6.30	100Ah					
2	Battery	16.0	4.40	100Ah					
1	Misc	18.0	0.35	Anchor windlass					

2020

ORC Club Certificate Appendix

BOAT	
Name	ARGONAFITIS II
Sail Nr	GRE-49201
Certificate Number	00664
Issued On	11/09/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1197.9	997.9	885.2	813.8	781.2	769.4	770.8
52°	783.4	666.0	595.7	564.2	549.1	542.7	540.2
60°	742.2	633.5	575.5	550.3	536.3	528.0	523.5
75°	714.8	609.0	561.3	539.0	523.8	512.0	496.8
90°	724.9	610.1	551.9	527.8	517.4	505.6	480.3
110°	721.6	595.7	543.8	518.1	496.9	478.2	459.1
120°	742.9	610.2	549.6	521.9	499.4	477.5	443.3
135°	814.9	666.2	576.2	538.0	514.4	492.1	449.9
150°	954.0	756.8	643.3	570.8	537.4	515.5	474.0
Run VMG	1101.5	873.6	741.0	649.1	584.8	546.4	503.3
Selected Courses							
Windward / Leeward	1149.7	935.7	813.1	731.5	683.0	657.9	637.1
Circular Random	971.9	783.2	681.4	622.1	585.9	563.2	536.8
Coastal / Long Distance	1144.9	879.1	731.8	640.7	594.9	562.8	512.6
Non Spinnaker	1033.4	826.7	713.7	646.9	605.7	579.6	549.7

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	42.8°	41.3°	40.9°	40.7°	39.8°	39.0°	39.4°
Beat VMG	3.01	3.61	4.07	4.42	4.61	4.68	4.67
52°	4.60	5.41	6.04	6.38	6.56	6.63	6.66
60°	4.85	5.68	6.25	6.54	6.71	6.82	6.88
75°	5.04	5.91	6.41	6.68	6.87	7.03	7.25
90°	4.97	5.90	6.52	6.82	6.96	7.12	7.50
110°	4.99	6.04	6.62	6.95	7.24	7.53	7.84
120°	4.85	5.90	6.55	6.90	7.21	7.54	8.12
135°	4.42	5.40	6.25	6.69	7.00	7.32	8.00
150°	3.77	4.76	5.60	6.31	6.70	6.98	7.59
Run VMG	3.27	4.12	4.86	5.55	6.16	6.59	7.15
Gybe Angles	147.0°	151.0°	153.0°	158.0°	180.0°	180.0°	180.0°