



2020
ORC Club
Certificate

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



Certificate
 Number **00739**
 Issued On **07/10/2020**
 ORC Ref **03420000RJM**
 VPP Ver. **2020 1.02**
 Valid until **28/02/2021**

Crew Weight

Default	413kg
Maximum	340kg
Minimum*	255kg

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

Special Scoring

ToD	ToT
Non Spin GPH 874.6	0.6860
Non Spin OSN 836.3	0.7174

Sails Limitations

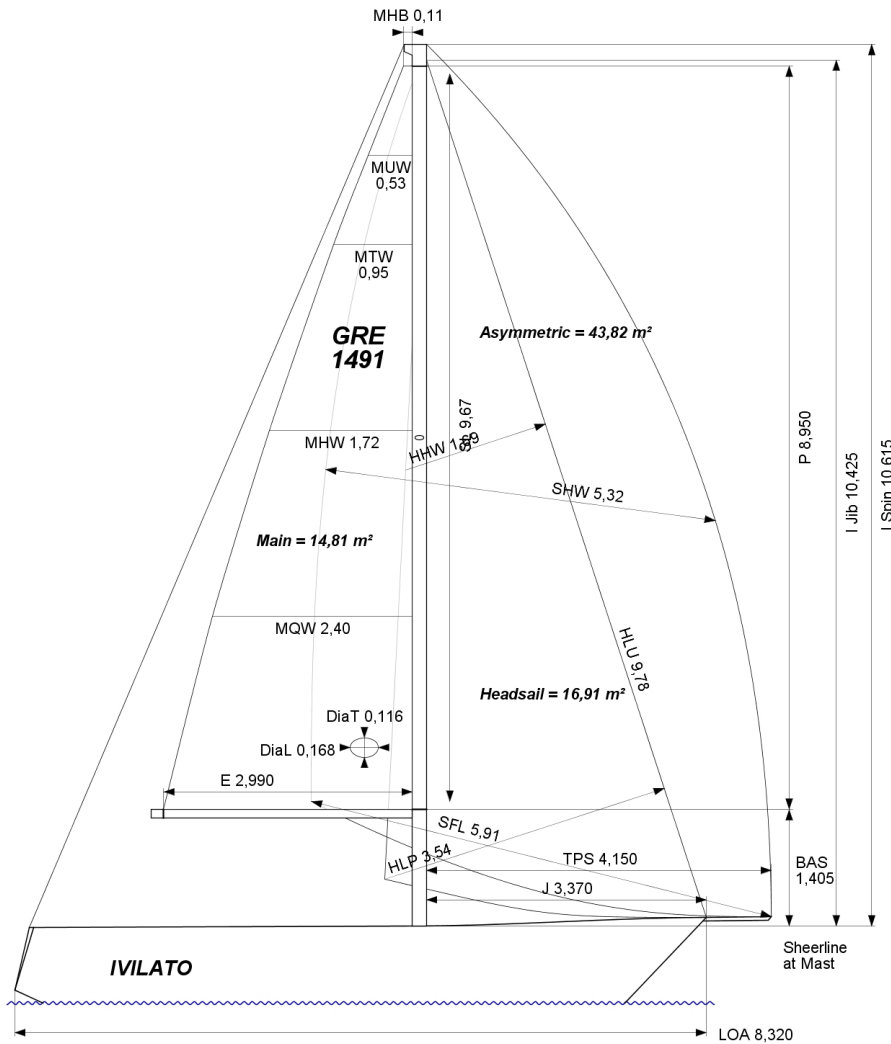
Headsails **5** Spinnakers **4**
Woven Polyester
Asymmetric on centerline

Spinnaker configuration
 Symmetric: **No**
 Asymmetric: **Yes 46.84**
 Flying H/S: **No**
 Spin. Pole: **No**

Class Division Length
CDL = 5.692

Stability (Estimated)
 Limit Positive Stab.: **118.5°**
 Stability Index: **116.1**

Owner



BOAT		GPH		HULL					
Name IVILATO		817.8		Data File GR1491	LOA 8.320m				
Sail Nr GRE-1491				Offset File Lasvegas.off	MB 2.998m				
				Displacement 3,110kg	Draft 1.616m				
CLASS				IMS Division Cruiser/Racer	Dynamic All. 0.565%				
Class Moody 28				Plan Review	Construction Solid				
Designer Bill Dixon				Fiber Rigging No	Aramid Core No				
Builder				Crew Arm Ex	Carbon Rudder No				
Series 01/1985				Light Stanchions No					
Age Date				IMSL 6.984m	VCGD -0.134m	Sink 11.01kg/mm			
Age Allowance 0.487%				RL 4.399m	VCGM -0.009m	WS 16.48m²			
COMMENTS				LSMO 6.986m	Displacement/Length ratio 9.1217				
Builder's displacement				Water Ballast 0	Trim Tab No				
				BLR Index 0.0000					
PROPELLER				CENTERBOARD					
Installation Shaft exposed	PRD 0.364								
Type Solid 3 blades	PIPA 0.0165	N/A							
SCORING OPTIONS									
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD					
Time on Distance	793.0			896.5					
Time on Time	0.7566			0.7530					
Triple Number	Low	Medium	High	Low	Medium	High			
Time on Distance	964.6	719.1	620.2	1257.7	913.6	756.0			
Time on Time	0.6998	0.9387	1.0883	0.5367	0.7388	0.8928			

BOAT	Name IVILATO	Sail Nr GRE-1491
	File GR1491	Data in meters/kilograms

RIG	Forestay Tension Fixed	Spreaders 1				
	Inner Stay None Fitted	Runners/Checkstays 0				
	Carbon Mast No	Jib Furler Yes				
	Fiber Rigging No	Main Furler No				
	Non-Circular Rigging No					
	Articulated Bowsprit No					
P	8.950	E	2.990	MDT1	0.116	MW
IG	10.425	J	3.370	MDL1	0.168	GO
ISP	10.615	SFJ		MDT2		BD
BAS	1.405	SPL		MDL2		MWT
FSD		TPS	4.150	TL	-3.000	MCG

INCLINING TEST AND FREEBOARDS			
Inclining Test Club Estimated VCG			
Flotation date 01/01/2013		SG 1.0246	
FFM	1.024	FF	1.024
FAM	0.911	FA	0.911
SFFP	0.500	SAFP	8.090
LCF from stem on CL / on sheer		4.828 / 5.048	
Maximum beam station from stem		5.414	
RM Measured		48.8kg-m	
RM Default		47.4kg-m	
Limit of positive stability / Stab.Index		118.5° / 116.1	
Freeboard at mast at 3.370		0.926	



ORC
Offshore Racing Congress
World leader in rating technology


2020
Measurements
Datasheet

MIZZEN RIG AND SAILS
N/A

PROPELLER			
Installation	Shaft exposed	PRD	0.364
Type	Solid 3 blades	PBW	
Twin Screw	No	PIPA	0.0165
PSA	PHL	ST3	ESL
PSD	ST1	ST4	
PHD	ST2	ST5	

Certificate

Number **00739**
ORC Ref **03420000RJM**
Issued On **07/10/2020**
VPP Ver. **2020 1.02**
Valid until **28/02/2021**



COMMENTS
Builder's displacement

MOVABLE BALLAST
N/A

CENTERBOARD
N/A

SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
M1	0.11	0.53	0.95	1.72	2.40	14.82		16/09/2010		Dacron						
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	OvrI/p	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
G1	0.05	0.42	0.82	1.69	2.60	3.54	9.78	105%	16.91		No		16/09/2010		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				
A1	10.47	8.87	9.67	5.32	5.91	43.83	asym		16/09/2010		Nylon					

2020

ORC Club Certificate Appendix

BOAT	
Name IVILATO	Certificate Number 00739
Sail Nr GRE-1491	Issued On 07/10/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1554.9	1258.5	1107.9	1006.8	928.1	880.2	863.6
52°	997.5	819.9	725.9	660.8	622.4	602.7	590.7
60°	933.8	775.9	684.9	630.5	602.1	585.7	570.5
75°	880.6	730.2	640.5	602.1	585.3	569.8	545.8
90°	817.6	669.7	599.4	570.4	553.2	544.6	532.9
110°	804.2	658.4	593.4	562.7	537.1	514.4	487.7
120°	831.8	678.8	601.8	568.3	541.6	516.2	477.4
135°	917.3	740.8	635.7	587.4	559.7	534.6	490.9
150°	1069.9	850.2	725.6	650.9	609.7	582.5	541.9
Run VMG	1235.4	981.7	837.9	751.6	695.4	632.6	573.3
Selected Courses							
Windward / Leeward	1395.2	1120.1	972.9	879.2	811.8	756.4	718.5
Circular Random	1151.8	919.8	792.4	715.9	667.3	635.3	599.1
Coastal / Long Distance	1379.2	1044.8	864.4	749.3	679.7	628.8	566.5
Non Spinnaker	1262.9	995.8	845.7	753.4	694.0	655.2	612.1

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	45.0°	43.9°	42.8°	42.8°	42.8°	41.6°	41.4°
Beat VMG	2.32	2.86	3.25	3.58	3.88	4.09	4.17
52°	3.61	4.39	4.96	5.45	5.78	5.97	6.09
60°	3.86	4.64	5.26	5.71	5.98	6.15	6.31
75°	4.09	4.93	5.62	5.98	6.15	6.32	6.60
90°	4.40	5.38	6.01	6.31	6.51	6.61	6.76
110°	4.48	5.47	6.07	6.40	6.70	7.00	7.38
120°	4.33	5.30	5.98	6.33	6.65	6.97	7.54
135°	3.92	4.86	5.66	6.13	6.43	6.73	7.33
150°	3.36	4.23	4.96	5.53	5.90	6.18	6.64
Run VMG	2.91	3.67	4.30	4.79	5.18	5.69	6.28
Gybe Angles	145.3°	145.8°	145.0°	146.5°	174.0°	176.0°	178.0°