Hellenic Sailing Federation
Offshore Committee
Επιτροπή Ανοικτής Θαλάσσης
Ελληνικής Ιστιοπλοϊκής Ομοσπονδίας

APH ToD: **481.7** CDL: **11.664**
APH ToT: **1.2456** CertNo: **00120**

BOAT

Class	**JV 44**
Designer	**JUDEL/VROLIJK**
Builder	**PRO-YACHTING**
Age date	**11/1998**
Series date	**11/1998**
Offset file	**JV44-GRE1050.off**
Data file	**GR1050**

HULL

Length Overall	**13.292 m**
Maximum Beam	**3.998 m**
Draft	**2.948 m**
Displacement	**7,226 kg**
DLN	**4.8211**
IMS Division	**Performance**
Dynamic Allowance	**0.000%**
Age Allowance	**0.487%**

PROPELLER

Installation	**Strut**
Type	**Folding 2 blades**
Diameter	**0.410m**

CREW

Maximum weight	**855 kg** (declared)
Minimum weight	**725 kg** ✸ *when applied*
Non Manual Power	**No**
Crew Arm Extension	

SAIL AREAS (m²)

	Measured	Rated
Mainsail	**66.69**	**68.17**
Headsail Luffed	**44.42**	**44.42**
Headsail Flying		
Symmetric	**144.36**	**144.36**
Asymmetric	**139.69**	**139.69**

(All asymmetric spinnakers with SHW/SFL > 85%)

STORM SAIL AREAS (m²)

Trysail	**19.78**
Storm Jib	**14.27**
Heavy Weather Jib	**38.53**

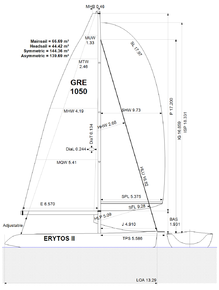
SAIL LIMITS

Headsails	**7**
Spinnakers	**5** ✸ *Asymmetric SHALL NOT be tacked on the pole*

STABILITY

Righting Moment	**215.3 kg·m**
Stability Index	**124.8**

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	41.9°	41.9°	39.6°	37.6°	36.7°	36.5°	36.2°	36.0°	37.0°
Beat VMG	3.10	4.24	5.09	5.56	5.78	5.92	6.01	6.12	6.05
52°	4.78	6.37	7.39	7.86	8.06	8.18	8.27	8.39	8.41
60°	5.08	6.66	7.62	8.06	8.27	8.41	8.51	8.65	8.71
75°	5.30	6.87	7.77	8.24	8.54	8.74	8.89	9.12	9.24
90°	5.14	6.74	7.71	8.23	8.62	8.95	9.22	9.62	9.90
110°	4.95	6.66	7.85	8.49	8.98	9.33	9.64	10.23	10.68
120°	4.74	6.47	7.73	8.42	8.99	9.54	10.07	10.91	11.74
135°	4.15	5.81	7.14	8.00	8.59	9.17	9.83	11.53	13.59
150°	3.42	4.85	6.10	7.16	7.94	8.50	9.05	10.39	12.32
Run VMG	2.96	4.20	5.28	6.20	6.97	7.62	8.15	9.17	10.67
Gybe Angles	141.3°	141.3°	144.9°	149.6°	156.7°	163.9°	168.2°	165.3°	149.8°

ORC International Certificate 2025 | ERYTOS II GRE-1050

Hellenic Sailing Federation
Offshore Committee
Επιτροπή Ανοικτής Θαλάσσης
Ελληνικής Ιστιοπλοϊκής Ομοσπονδίας

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	1162.0	848.3	707.0	647.3	622.7	608.6	599.2	588.6	595.2
52°	752.7	565.5	487.0	458.2	446.8	440.0	435.3	429.1	428.2
60°	708.6	540.2	472.3	446.5	435.2	428.3	423.1	416.2	413.5
75°	678.9	523.9	463.5	436.9	421.6	412.0	405.0	394.8	389.8
90°	699.7	534.3	467.2	437.5	417.6	402.1	390.3	374.3	363.5
110°	727.9	540.3	458.8	424.0	401.1	385.9	373.5	352.1	337.2
120°	760.0	556.2	465.7	427.6	400.5	377.4	357.5	329.9	306.7
135°	866.5	619.6	504.3	449.9	419.3	392.4	366.2	312.2	265.0
150°	1052.1	742.1	590.4	503.0	453.7	423.5	397.7	346.4	292.2
Run VMG	1216.2	856.9	681.7	580.8	516.2	472.5	441.6	392.7	337.4
Selected Courses									
Windward / Leeward	1188.6	852.6	694.4	614.1	569.4	540.5	520.4	490.7	466.3
All purpose	899.0	658.0	548.6	497.2	468.7	449.5	434.6	410.5	392.0

Single Number Scoring Options

Course	Time On Distance	Time On Time
Windward / Leeward	590.4	1.0163
All purpose	481.7	1.2456

Custom scoring options for Greece

Scoring Option	Time On Distance	Time On Time
Coastal/Long Distance	523.1	1.1470
Triple Number Coastal/Long Distance Low	603.3	0.9945
Triple Number Coastal/Long Distance Medium	480.0	1.2499
Triple Number Coastal/Long Distance High	429.3	1.3976
Triple Number Windward/Leeward Low	773.5	0.7757
Triple Number Windward/Leeward Medium	587.5	1.0213
Triple Number Windward/Leeward High	514.3	1.1667

Performance Curve	4 kt	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
Coastal/Long Distance	1263.5	853.0	655.3	556.8	499.4	466.0	438.3	394.2	375.2

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

ORC Ref **03420003L7S** Issued on **19/03/2025** Valid until **31/12/2025** VPP ver: 2025 1.01 | © **ORC** | www.orc.org

ORC International Certificate 2025 | ERYTOS II GRE-1050

Hellenic Sailing Federation
Offshore Committee
Επιτροπή Ανοικτής Θαλάσσης
Ελληνικής Ιστιοπλοϊκής Ομοσπονδίας

Data in **meters/kilograms (Metric)**

HULL AND APPENDAGES (Lightship Trim)

Class	**JV 44**	LOA	**13.292**	VCGD	**-0.154**
Measurement	**27/07/2018**	Max. Beam	**3.998**	VCGM	**-0.153**
HIN		Draft	**2.948**	RM Rated (kg·m)	**215.3**
Plan review		Displacement	**7,226**	Limit of positive stability(°)	**124.0**
Hull construction	**Light**	Wetted area	**32.66**	Stability Index	**124.8**
Carbon rudder	**Yes**	IMS L	**11.826**	Default crew weight	**834**
Light stanchions	**No**	LSMD	**11.443**	Declared crew weight	**855**
Trim tab	**No**	Acc. length	**12.993**		
		Sink (kg/mm)	**24.25**		

PROPELLER

Propeller Type	**Folding 2 blades**				
Installation	**Strut**	PRD	**0.410**	EDL	**0.990**
Twin screw	**No**	PBW		ST1	**0.042**
Hydro generator	**No**	PIPA	**0.0037**	ST2	

ST3	
ST4	**0.112**
ST5	**0.292**

RIG

Forestay tension	**Aft**	P	**17.200**	E	**6.570**
Inner stay	**None Fitted**	IG	**16.859**	J	**4.910**
Mast material	**Aluminum**	ISP	**16.331**	BAS	**1.931**
Single headsail furler	**No**	MDT1	**0.134**	FSD	**0.041**
Mainsail furler	**No**	MDL1	**0.244**	SFJ	**0.000**
Articulated bowsprit	**No**	MDT2	**0.109**	SPL	**5.375**
Non-circular rigging	**No**	MDL2	**0.161**	WPL	
Fiber rigging	**No**	TL	**2.222**	TPS	**5.586**
Adjustable mast foot	**No**	MW	**0.243**	BD	**0.297**
Running backstays	**0**	GO	**0.253**	MWT	**231.00**
Checkstays	**0**			MCG	**5.460**
Spreaders	**3**				
Rotating mast	**No**				

FLOTATION AND STABILITY

Calculation method	**Boom inclining**	SFFP	**0.210**	SAFP	**11.862**	W1	**114.2**	PD1	**271.0**	WD	**6.470**
Flotation date	**21/09/2023**	FFM	**1.389**	FAM	**1.127**	W2	**114.2**	PD2	**271.9**	PLM	**9000.00**
Measurer	**GRE-21**	FF	**1.388**	FA	**1.131**	W3	**114.2**	PD3	**272.7**	GSA	**1.0**
		LCFd	**7.175**	LCFsh	**7.429**	W4	**114.2**	PD4	**274.7**	RSA	**1.0**
		SG	**1.0245**	HBI	**1.233**	LCFD	**7.400**			RM	**213.5**

INVENTORY

BALLAST	***Id***	***Kind Description***	***Weight***	***LCG***	***VCG***	***TCG***
	1a	Fixed 2*(9x25 + 11,5) + 140	613	7.10		
	1b	Fixed 16 x 25	400	7.60		
	1c	Fixed 6x40 +3 x 15	285	8.10		
		Fixed Ballast Total	**1298**			

TANKS	***Id***	***Description***	***Sp.Wght***	***Capacity***	***Condition***	***LCG***	***VCG***
	6a	FUEL ST STEEL	0.9000	117	**40**	8.90	
	6b	WATER BLADDER		150	0	9.00	
	6c	WATER BLADDER		150	0	9.00	
		Total deductible			**36**	**8.90**	

OTHER ITEMS	***Id***	***Kind Description***	***Weight***	***LCG***	***VCG***
	3a	Battery 4x65 Ah	88	7.70	
	5	Engine YANMAR 3JH3E (38Hp)			
		Total deductible	**0**		

ORC Ref **03420003L7S** Issued on **19/03/2025** Valid until **31/12/2025** VPP ver: 2025 1.01 | © **ORC** | www.orc.org

ORC International Certificate 2025 | ERYTOS II GRE-1050

Hellenic Sailing Federation
Offshore Committee
Επιτροπή Ανοικτής Θαλάσσης
Ελληνικής Ιστιοπλοϊκής Ομοσπονδίας

MAINSAIL

Id	***MHB***	***MUW***	***MTW***	***MHW***	***MQW***	***Area***	***Meas.Date***	***Comment***
3	0.46	1.33	2.46	4.19	5.41	66.69	07/06/2024	Recut, P=17.200, E=6.513
4	0.52	1.51	2.49	4.13	5.33	66.64	07/06/2024	P=17.200, E=6.513
5	0.58	1.48	2.45	4.09	5.40	66.64	08/08/2024	

HEADSAIL

Id	***HHB***	***HUW***	***HTW***	***HHW***	***HQW***	***HLP***	***HLU***	***Btn***	***Flying FT***	***Area***	***Meas.Date***	***Comment***
7	0.12	0.77	1.45	2.68	3.88	5.09	16.82	Yes	No	44.42	19/08/2017	Medium 3DI
3	0.11	0.69	1.36	2.56	3.68	4.99	16.73	Yes	No	42.30	25/08/2009	MEDIUM
5	0.11	0.71	1.37	2.54	3.69	4.99	16.70	Yes	No	42.25	25/08/2009	JIB TOP
2	0.11	0.80	1.42	2.55	3.74	4.98	16.49	Yes	No	42.22	04/09/2009	LIGHT
6	0.09	0.69	1.36	2.56	3.68	4.99	16.69	Yes	No	42.18	17/03/2016	
1	0.06	0.66	1.28	2.49	3.76	5.08	16.60	Yes	No	41.92	19/08/2007	HEAVY
4	0.07	0.63	1.21	2.41	3.73	4.99	16.70	Yes	No	41.27	18/06/2008	No 3

SYMMETRIC SPINNAKER

Id	***SLU***	***SLE***	***SL***	***SHW***	***SFL***	***Area***	***Meas.Date***	***Comment***
2	17.97	17.97	17.97	9.73	9.28	144.36	11/06/2024	0.60 S2
1	17.89	17.89	17.89	9.54	9.31	141.54	18/06/2024	0.50 S1.5
3	16.57	16.57	16.57	9.11	8.53	124.19	17/03/2016	0.90 S4
4	16.53	16.53	16.53	9.06	8.65	123.67	17/03/2016	0.75 S2
5	16.45	16.48	16.47	8.40	8.60	115.80	21/08/2019	0.90 S3

ASYMMETRIC SPINNAKER

Id	***SLU***	***SLE***	***SL***	***SHW***	***SFL***	***Ratio***	***Area***	***Meas.Date***	***Comment***
1	19.54	16.57	18.06	9.15	9.62	93%	139.69	14/06/2024	A1.5

ORC Ref **03420003L7S** Issued on **19/03/2025** Valid until **31/12/2025** VPP ver: 2025 1.01 | © **ORC** | www.orc.org