



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 **00174**
Issued On **26/06/2020**
ORC Ref **03420000LIP**
VPP Ver. **2020 1.02**
Valid until **28/02/2021**

Crew Weight

Default 734kg
Maximum **734kg**
Minimum* **551kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	659.9	0.9092
Non Spin OSN	640.4	0.9370

Sails Limitations

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

Spinnaker configuration
Symmetric: **Yes** 118.18
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

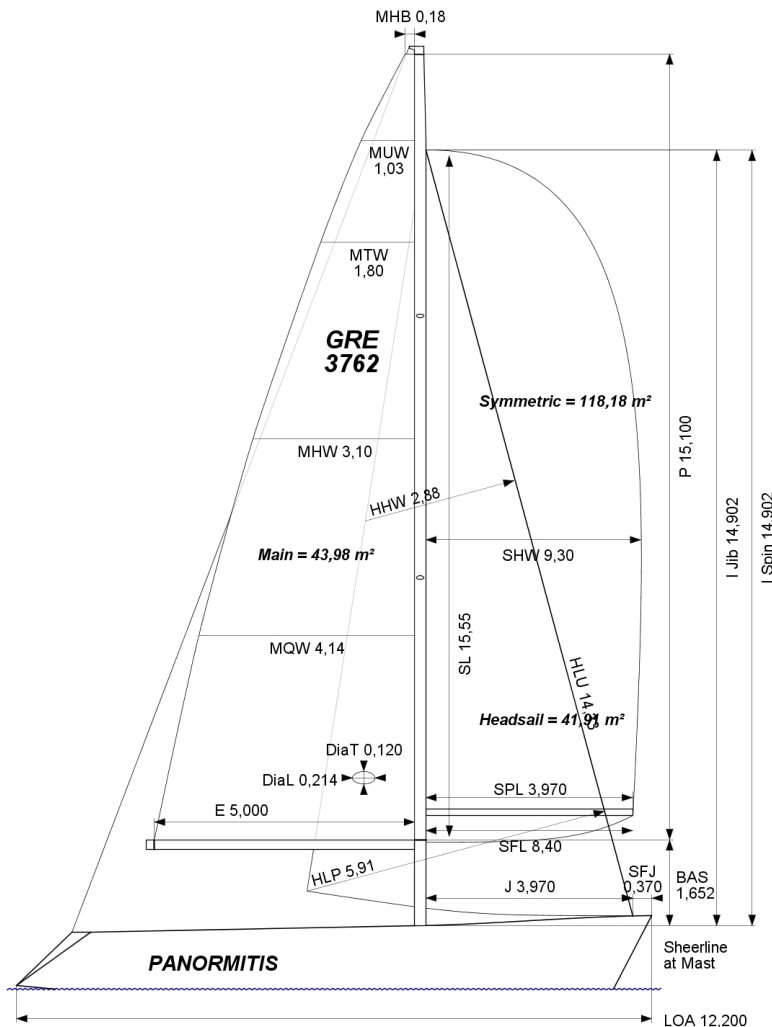
Class Division Length

CDL = 9.392

Stability (Measured)

Limit Positive Stab.: **109.4°**
Stability Index: **112.1**

Owner



BOAT		GPH	HULL			
Name PANORMITIS Sail Nr GRE-3762		627.0	Data File GR3762	LOA 12.200m		
			Offset File E14D.OFF	MB 3.902m		
			Displacement 7,778kg	Draft 2.000m		
CLASS			IMS Division Cruiser/Racer	Dynamic All. 0.242%		
Class FIRST 41S5			Plan Review	Construction Solid		
Designer JEAN BERRET			Fiber Rigging No	Aramid Core No		
Builder BENETEAU			Crew Arm Ex	Carbon Rudder No		
Series 01/1988				Light Stanchions No		
Age Date 12/1990			IMSL 10.603m	VCGD 0.158m		
Age Allowance 0.487%			RL 8.186m	VCGM 0.176m		
			WS 30.17m²			
COMMENTS			LSM0 10.459m	Displacement/Length ratio 6.7983		
			Water Ballast 0	Trim Tab No		
			BLR Index 0.0000			
PROPELLER			CENTERBOARD			
Installation Shaft exposed	PRD 0.544		N/A			
Type Feathering 3 blades	PBW 0.153					
	PIPA 0.0056					
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	609.7			682.9		
Time on Time	0.9840			0.9885		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	723.9	553.3	496.2	943.0	686.2	597.0
Time on Time	0.9325	1.2199	1.3603	0.7158	0.9837	1.1306

BOAT	
Name PANORMITIS	Sail Nr GRE-3762
File GR3762	Data in meters/kilograms

RIG	
Forestay Tension Fixed	Spreaders 2
Inner Stay None Fitted	Runners/Checkstays 0
Carbon Mast No	Jib Furler No
Fiber Rigging No	Main Furler No
Non-Circular Rigging No	
Articulated Bowsprit No	
P 15.100	E 5.000 MDT1 0.120 MW 0.214
IG 14.902	J 3.970 MDL1 0.214 GO 0.255
ISP 14.902	SFJ 0.370 MDT2 0.114 BD 0.190
BAS 1.652	SPL 3.970 MDL2 0.179 MWT 133.50
FSD 0.036	TPS TL 1.700 MCG 6.935

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 01/05/2009		SG 1.0280	
FFM 1.403	FF 1.396	SFFP 0.520	
FAM 1.064	FA 1.074	SAFP 10.770	
W1 92.0	PD1 578.4	WD 11.450	
W2 92.0	PD2 579.1	GSA 1.0	
W3 92.0	PD3 579.1	RSA 1.0	
W4 92.0	PD4 579.8	PLM 9000.0	
LCF from stem on CL / on sheer		6.443 / 6.692	
Maximum beam station from stem		7.350	
RM Measured		143.2kg-m	
RM Default		167.7kg-m	
Limit of positive stability / Stab.Index		109.4° / 112.1	
Freeboard at mast at 4.340		1.218	



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2020
Measurements
Datasheet

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Shaft exposed	PRD 0.544		
Type Feathering 3 blades	PBW 0.153		
Twin Screw No	PIPA 0.0056		
PSA 15.000	PHL 0.128	ST3 0.129	ESL 1.190
PSD 0.030	ST1 0.043	ST4 0.062	
PHD 0.070	ST2 0.129	ST5 0.240	

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COMMENTS	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS INVENTORY																
MAINSAIL (2)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0.18	1.03	1.80	3.10	4.14	43.98		23/06/2020		Dacron						
2	0.17	0.98	1.76	3.08	4.13	43.65		29/04/2018		Dacron						
HEADSAILS (4)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovr/tp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
4	0.08	0.74	1.44	2.88	4.38	5.91	14.33	149%	41.91		No		23/04/2016	SAILLOFT	Nylon	Unknow
1	0.07	0.60	1.14	2.30	3.69	5.03	14.27	127%	34.67		No		13/04/2011		Dacron	Dacron
2	0.05	0.55	1.05	2.15	3.38	4.80	14.33	121%	32.48		No		16/04/2015			Unknow
3	0.04	0.40	0.81	1.76	2.80	3.90	14.19	98%	26.17		No		20/04/2011			Unknow
SYMMETRIC SPINNAKERS (5)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
5	15.55	15.55	15.55	9.30	8.40	118.18		24/06/2018	SAILLOFT	Nylon						
4	15.53	15.48	15.51	8.71	8.25	111.36		24/06/2018	ALPHA	Nylon						
2	15.19	15.19	15.19	8.50	8.52	107.65		02/05/2011	KAKITSIS	Nylon	YELL.-BLU-WHITE					
1	14.70	14.70	14.70	7.02	7.00	85.95		02/05/2009	QUANTUM	Unknown						
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				

MEASUREMENT INVENTORY				
Measurer GRE-21				
Date 01/05/2009				
Comment				
Internal Ballast total = 0.0				
Id	Item	Weight	Distance	VCG Description
4	Anchor	16.5	9.50	DELTA
2	Anchor	12.0	9.50	BRUCE
4	Chain	40.0	9.50	Chain &
4	Tools	20.0	6.00	
Id	Item	Maker	Model	
1	Engine	PERKINS	PRIMA M-50	
Id	Item	Weight	Description	

MEASUREMENT INVENTORY						
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG Condtn Description
1	Tank	FUEL	INOX	135.0	8.60	0-0
2	Tank	WATER	PVC hard	120.0	1.60	0-0
3	Tank	WATER	PVC hard	190.0	4.50	0-0
4	Tank	WATER	PVC hard	180.0	4.50	0-0
Id	Item	Weight	Distance	VCG Description		
1	Battery	12.0	5.30	45 Ah		
2	Battery	26.0	8.60	85 Ah		
3	Battery	40.0	8.60	135 Ah		
4	Battery	35.0	8.60	125 Ah		
1	Misc	18.0	0.96	ANCHOR WINDLASS		
2	Misc	20.0	5.87	WATER HEATER CAPACITY 45 LT		

2020

ORC Club Certificate Appendix

BOAT			
Name	PANORMITIS	Certificate Number	00174
Sail Nr	GRE-3762	Issued On	26/06/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1083.4	894.8	790.9	738.0	717.8	710.1	716.9
52°	699.6	590.0	528.9	503.3	493.9	489.9	488.9
60°	656.8	558.5	509.2	488.7	479.1	474.9	472.7
75°	625.8	534.9	495.3	476.4	464.3	455.7	448.3
90°	632.5	535.5	489.4	472.7	458.1	445.2	425.2
110°	630.6	521.3	478.3	456.3	438.7	427.9	410.5
120°	647.4	531.5	482.3	457.9	436.3	416.5	393.5
135°	715.9	581.7	504.5	472.3	450.3	428.0	387.1
150°	867.5	686.0	571.5	503.6	473.7	452.9	411.7
Run VMG	1001.7	792.1	660.0	575.5	523.4	485.9	443.8
Selected Courses							
Windward / Leeward	1042.5	843.5	725.4	656.8	620.6	598.0	580.4
Circular Random	867.0	698.3	607.8	555.8	524.7	505.3	483.8
Coastal / Long Distance	1038.4	790.4	651.3	572.5	533.4	503.6	458.8
Non Spinnaker	925.3	739.9	639.0	579.9	544.0	521.3	495.6

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	43.5°	42.4°	41.6°	41.3°	40.7°	40.5°	41.3°
Beat VMG	3.32	4.02	4.55	4.88	5.02	5.07	5.02
52°	5.15	6.10	6.81	7.15	7.29	7.35	7.36
60°	5.48	6.45	7.07	7.37	7.51	7.58	7.62
75°	5.75	6.73	7.27	7.56	7.75	7.90	8.03
90°	5.69	6.72	7.36	7.62	7.86	8.09	8.47
110°	5.71	6.91	7.53	7.89	8.21	8.41	8.77
120°	5.56	6.77	7.46	7.86	8.25	8.64	9.15
135°	5.03	6.19	7.14	7.62	8.00	8.41	9.30
150°	4.15	5.25	6.30	7.15	7.60	7.95	8.74
Run VMG	3.59	4.54	5.45	6.26	6.88	7.41	8.11
Gybe Angles	145.0°	150.0°	147.0°	155.8°	171.0°	180.0°	180.0°