



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 **01984**
Issued On **29/10/2020**
ORC Ref **03420000SEV**
VPP Ver. **2020 1.02**
Valid until **28/02/2021**

Crew Weight

Default	451kg
Maximum	469kg
Minimum*	352kg

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

Special Scoring

ToD	ToT
Non Spin GPH 797.6	0.7523
Non Spin OSN 766.2	0.7831

Sails Limitations

Headsails **1** Spinnakers **4**

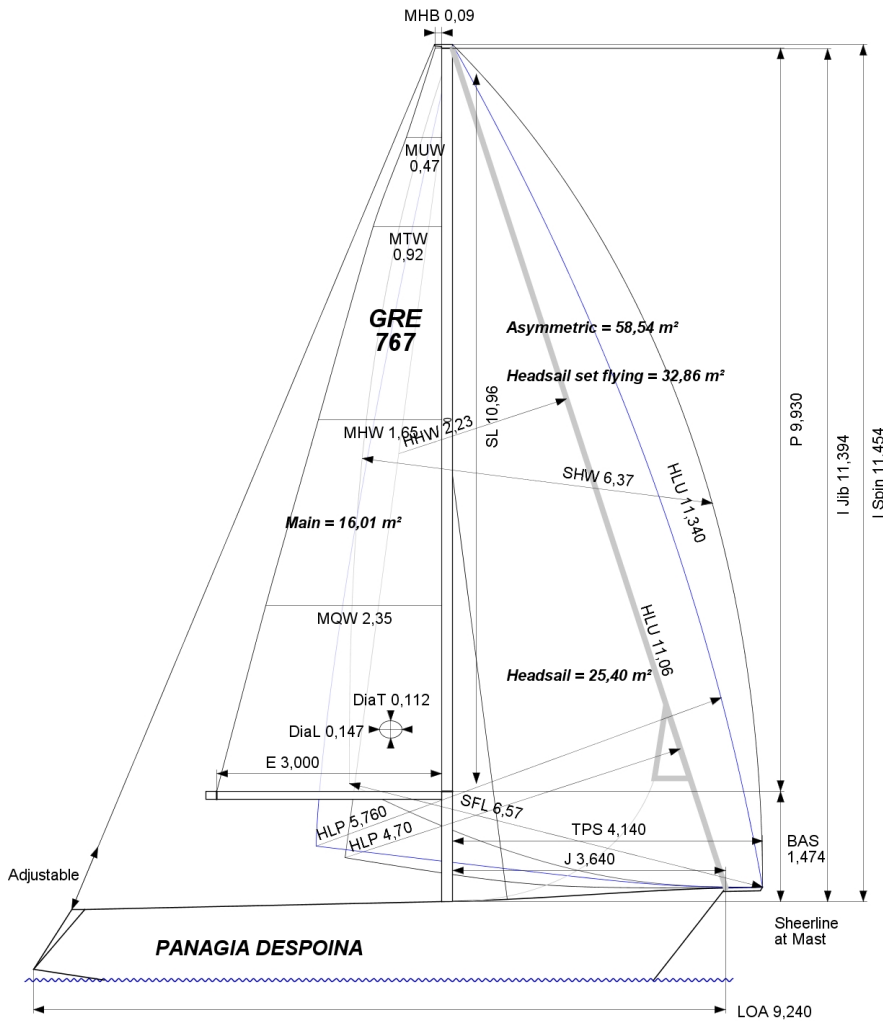
Asymmetric on centerline

Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 58.54**
Flying H/S: **Yes 32.86**
Spin. Pole: **Yes**

Class Division Length
CDL = **6.767**

Stability (Estimated)
Limit Positive Stab.: **117.6°**
Stability Index: **114.2**

Owner



BOAT
Name PANAGIA DESPOINA
Sail Nr GRE-767

GPH
746.0

HULL
Data File GR767 LOA 9.240m
Offset File F088.OFF MB 3.132m
Displacement 3,200kg Draft 1.670m

CLASS
Class RUSH 31 (IK)
Designer RON HOLLAND
Builder JEANNEAU
Series 06/1982
Age Date 12/1983
Age Allowance 0.487%

IMS Division Cruiser/Racer Dynamic All. 0.305%
Plan Review Construction Solid
Fiber Rigging No Aramid Core No
Crew Arm Ex Carbon Rudder No
Light Stanchions No

IMSL 7.545m VCGD 0.038m Sink 12.33kg/mm
RL 5.988m VCGM 0.022m WS 17.18m²
LSM0 7.438m Displacement/Length ratio 7.7765

COMMENTS
Builder's displacement. ex "GRIGOLEON"

Water Ballast 0 Trim Tab No
BLR Index 0.0000

PROPELLER
Installation Shaft exposed PRD 0.424
Type Solid 3 blades PIPA 0.0224

CENTERBOARD
NA

SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	724.0			817.6		
Time on Time	0.8287			0.8256		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	871.6	655.7	581.6	1135.0	825.3	710.2
Time on Time	0.7744	1.0295	1.1606	0.5947	0.8179	0.9505

BOAT	
Name PANAGIA DESPOINA	Sail Nr GRE-767
File GR767	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS	
Inclining Test Club Estimated VCG	
Flotation date 01/01/2013	SG 1.0258
FFM 1.197	FF 1.197 SFFP 0.965
FAM 0.873	FA 0.873 SAFF 8.556
LCF from stem on CL / on sheer 4.981 / 5.198	
Maximum beam station from stem 5.385	
RM Measured 59.8kg-m	
RM Default 58.1kg-m	
Limit of positive stability / Stab.Index 117.6° / 114.2	
Freeboard at mast at 3.640 1.048	



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Measurements
Datasheet


RIG	
Forestay Tension Aft	Spreaders 1
Inner Stay Fixed	Runners/Checkstays 0
Carbon Mast No	Jib Furler Yes
Fiber Rigging No	Main Furler No
Non-Circular Rigging No	
Articulated Bowsprit No	
P 9.930	E 3.000 MDT1 0.112 MW
IG 11.394	J 3.640 MDL1 0.147 GO
ISP 11.454	SFJ 0.000 MDT2 0.112 BD
BAS 1.474	SPL 3.350 MDL2 0.147 MWT
FSD Foil	TPS 4.140 TL 0.000 MCG

MIZZEN RIG AND SAILS	
N/A	

PROPELLER	
Installation Shaft exposed	PRD 0.424
Type Solid 3 blades	PBW
Twin Screw No	PIPA 0.0224
PSA	PHL ST3 ESL
PSD	ST1 ST4
PHD	ST2 ST5

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COMMENTS	
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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	0.09	0.47	0.92	1.65	2.35	16.01		27/07/2020		Dacron						
HEADSAILS (2)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	OvrI/p	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
2	0.06	0.74	1.47	2.94	4.29	5.76	11.34	158%	32.86		Yes		27/07/2020	CRUSADER	Nylon	SHW=3.27,
1	0.05	0.65	1.10	2.23	3.42	4.70	11.06	129%	25.40		No		18/05/2008		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				
1	11.24	10.68	10.96	6.37	6.57	58.55	asym		13/03/2010		Nylon					

2020

ORC Club Certificate Appendix

BOAT			
Name	PANAGIA DESPOINA	Certificate Number	01984
Sail Nr	GRE-767	Issued On	29/10/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1323.3	1086.8	948.3	862.9	829.9	815.8	817.7
52°	847.4	702.6	621.5	583.3	567.9	561.4	558.5
60°	789.1	657.4	593.0	565.7	550.9	543.4	539.3
75°	747.6	627.0	577.0	554.2	537.9	524.8	512.3
90°	764.8	635.5	569.8	542.8	527.6	518.1	491.7
110°	765.7	624.1	563.1	534.0	508.6	486.9	462.4
120°	794.0	643.8	571.1	539.3	512.7	487.5	449.5
135°	880.1	705.9	604.1	558.3	531.4	506.0	461.2
150°	1030.5	813.8	689.8	617.5	579.5	554.1	513.7
Run VMG	1189.9	939.7	796.5	713.0	669.1	607.4	547.4
Selected Courses							
Windward / Leeward	1256.6	1013.3	872.4	788.0	749.5	711.6	682.6
Circular Random	1041.5	834.5	722.5	657.5	618.0	593.1	564.6
Coastal / Long Distance	1249.9	948.1	779.1	678.5	630.1	590.9	533.4
Non Spinnaker	1142.2	903.7	771.2	691.6	642.0	610.5	575.9

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	44.6°	44.3°	43.1°	42.0°	41.3°	41.3°	42.0°
Beat VMG	2.72	3.31	3.80	4.17	4.34	4.41	4.40
52°	4.25	5.12	5.79	6.17	6.34	6.41	6.45
60°	4.56	5.48	6.07	6.36	6.53	6.63	6.67
75°	4.82	5.74	6.24	6.50	6.69	6.86	7.03
90°	4.71	5.66	6.32	6.63	6.82	6.95	7.32
110°	4.70	5.77	6.39	6.74	7.08	7.39	7.78
120°	4.53	5.59	6.30	6.67	7.02	7.38	8.01
135°	4.09	5.10	5.96	6.45	6.77	7.12	7.81
150°	3.49	4.42	5.22	5.83	6.21	6.50	7.01
Run VMG	3.03	3.83	4.52	5.05	5.38	5.93	6.58
Gybe Angles	145.0°	146.0°	145.0°	146.5°	150.0°	175.0°	178.0°