



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 **01255**
Issued On **30/09/2020**
ORC Ref **03420000R2U**
VPP Ver. **2020 1.02**
Valid until **28/02/2021**

Crew Weight

Default 728kg
Maximum **728kg**
Minimum* **546kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	695.2	0.8631
Non Spin OSN	670.6	0.8948

Sails Limitations

Headsails **1** Spinnakers **4**
Woven Polyester
Asymmetric on centerline
Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 78.19**
Flying H/S: **No**
Spin. Pole: **No**

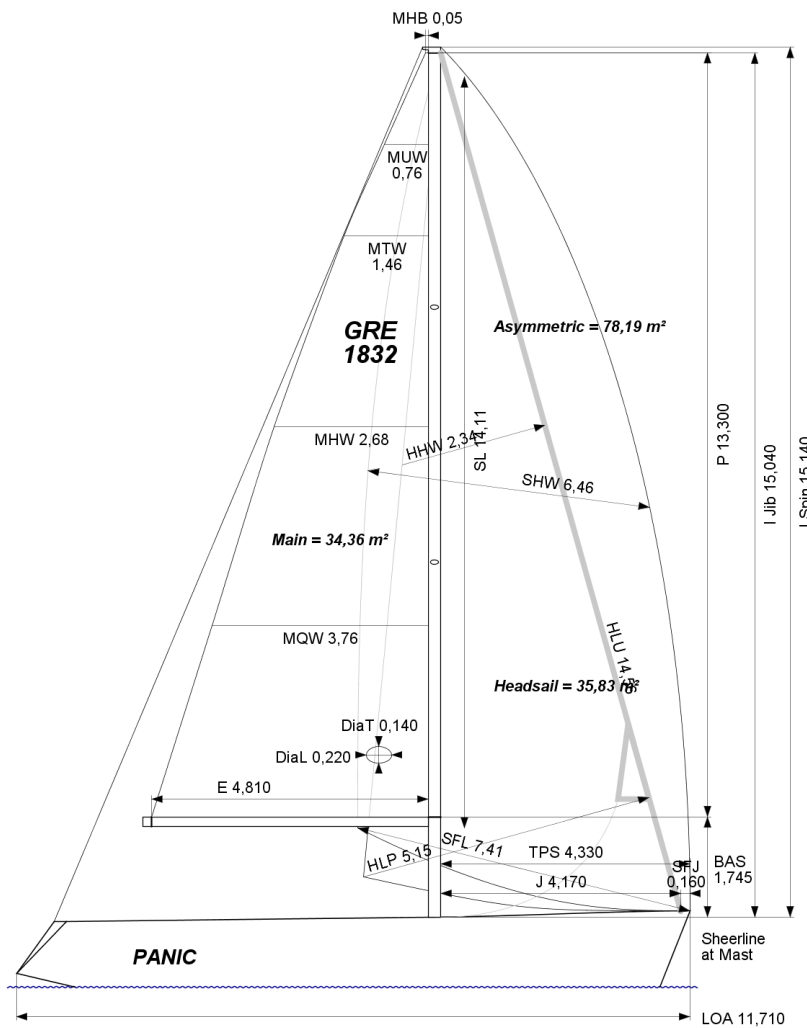
Class Division Length

CDL = 8.959

Stability (Estimated)

Limit Positive Stab.: **114.2°**
Stability Index: **115.5**

Owner



BOAT	GPH	HULL
Name PANIC Sail Nr GRE-1832	663.7	Data File GR1832 LOA 11.710m Offset File F183.OFF MB 3.944m Displacement 7,300kg Draft 1.970m
CLASS Class SUN ODYSSEY 40 Designer Andrieu Builder JEANNEAU Series 02/1998 Age Date 01/2002 Age Allowance 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.369% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS Builder's displacement.		IMSL 10.437m VCGD 0.092m Sink 22.97kg/mm RL 7.479m VCGM 0.085m WS 31.58m² LSM0 10.400m Displacement/Length ratio 6.4897
PROPELLER Installation Shaft exposed PRD 0.350 Type Folding 2 blades PIPA 0.0012		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	642.9	726.1
Time on Time	0.9333	0.9296
Triple Number	Low Medium High	Low Medium High
Time on Distance	786.8 582.0 502.5	1028.5 736.8 612.9
Time on Time	0.8579 1.1597 1.3433	0.6563 0.9161 1.1013

BOAT	
Name PANIC	Sail Nr GRE-1832
File GR1832	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Club Estimated VCG			
Flotation date 13/02/2018		SG 1.0248	
FFM 1.314	FF 1.314	SFFP 0.626	
FAM 1.145	FA 1.145	SAFP 10.840	
LCF from stem on CL / on sheer		6.337 / 6.619	
Maximum beam station from stem		7.414	
RM Measured		188.7kg-m	
RM Default		183.2kg-m	
Limit of positive stability / Stab.Index		114.2° / 115.5	
Freeboard at mast at 4.330		1.220	



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Measurements
Datasheet

RIG			
Forestay Tension Fixed	Spreaders 2		
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 13.300	E 4.810	MDT1 0.140	MW
IG 15.040	J 4.170	MDL1 0.220	GO
ISP 15.140	SFJ 0.160	MDT2	BD
BAS 1.745	SPL 0.000	MDL2	MWT
FSD -3.000	TPS 4.330	TL -3.000	MCG

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation Shaft exposed	PRD 0.350		
Type Folding 2 blades	PBW		
Twin Screw No	PIPA 0.0012		
PSA	PHL	ST3	ESL
PSD	ST1	ST4	
PHD	ST2	ST5	

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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					
1	0.05	0.76	1.46	2.68	3.76	34.36		13/02/2018	ELVSTROM	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	2.34	3.74	5.15	14.56	124%	35.83		No		13/02/2018		Dacron	
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ASYMMETRIC SPINNAKERS (2)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
2	14.60	13.62	14.11	6.46	7.41	78.20	asym		06/03/2018		Nylon					
1	14.65	13.50	14.08	6.43	7.40	77.70	asym		13/02/2018		Nylon					

MEASUREMENT INVENTORY				
Measurer				
Date				
Comment				
Internal Ballast total = 0.0				
Id	Item	Weight	Distance	VCG Description
Id	Item	Maker	Model	
1	Engine	YANMAR	4J3E 50Hp	
Id	Item	Weight	Description	
4	Fwd-Items		LOFRANS-	

MEASUREMENT INVENTORY				
Id	Item	Weight	Distance	VCG Description

2020

ORC Club Certificate Appendix

BOAT			
Name	PANIC	Certificate Number	01255
Sail Nr	GRE-1832	Issued On	30/09/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1202.7	980.2	857.4	772.1	716.7	693.0	687.7
52°	765.2	635.2	561.0	515.8	492.8	481.8	476.9
60°	712.5	597.0	531.5	497.6	479.6	468.8	461.4
75°	675.8	568.1	511.2	484.4	468.3	455.4	437.1
90°	682.6	563.8	499.3	470.7	453.3	442.3	424.1
110°	681.7	557.6	495.0	467.2	446.6	426.5	393.7
120°	708.0	578.0	505.4	473.1	451.8	431.2	392.9
135°	792.9	636.7	544.9	493.8	468.0	448.1	409.3
150°	937.3	735.2	623.6	550.8	508.8	482.9	450.2
Run VMG	1082.2	849.0	720.1	636.0	587.5	540.4	478.3
Selected Courses							
Windward / Leeward	1142.5	914.6	788.8	704.1	652.1	616.7	583.0
Circular Random	937.3	747.4	642.7	580.0	540.5	514.6	484.1
Coastal / Long Distance	1136.4	855.4	701.6	602.3	548.6	511.4	460.0
Non Spinnaker	997.5	789.0	672.4	601.4	556.3	526.9	493.4

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	45.8°	44.3°	43.1°	42.4°	40.9°	40.1°	40.7°
Beat VMG	2.99	3.67	4.20	4.66	5.02	5.19	5.24
52°	4.70	5.67	6.42	6.98	7.30	7.47	7.55
60°	5.05	6.03	6.77	7.23	7.51	7.68	7.80
75°	5.33	6.34	7.04	7.43	7.69	7.91	8.24
90°	5.27	6.38	7.21	7.65	7.94	8.14	8.49
110°	5.28	6.46	7.27	7.71	8.06	8.44	9.15
120°	5.09	6.23	7.12	7.61	7.97	8.35	9.16
135°	4.54	5.65	6.61	7.29	7.69	8.03	8.80
150°	3.84	4.90	5.77	6.54	7.08	7.45	8.00
Run VMG	3.33	4.24	5.00	5.66	6.13	6.66	7.53
Gybe Angles	145.5°	147.0°	147.0°	147.0°	149.0°	174.0°	178.0°