



2020
ORC Club
Certificate

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



Certificate
Number **01133**
Issued On **10/06/2020**
ORC Ref **03420000KC3**
VPP Ver. **2020 1.02**
Valid until **28/02/2021**

Crew Weight

Default	800kg
Maximum	480kg
Minimum*	360kg

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

Special Scoring

ToD	ToT
Non Spin GPH 719.3	0.8341
Non Spin OSN 688.6	0.8714

Sails Limitations

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

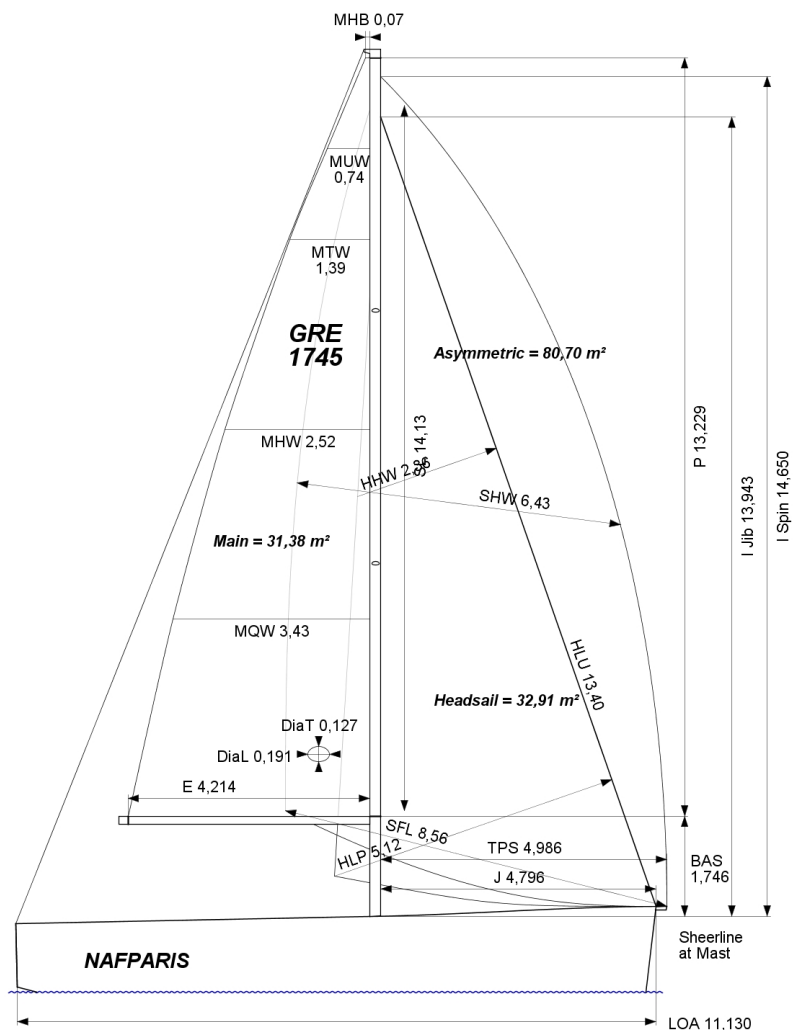
Asymmetric on centerline

Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes** **84.28**
Flying H/S: **No**
Spin. Pole: **No**

Class Division Length
CDL = **9.129**

Stability (Estimated)
Limit Positive Stab.: **109.8°**
Stability Index: **109.6**

Owner



BOAT Name NAFFARIS Sail Nr GRE-1745		GPH 665.7	HULL Data File GR1745 LOA 11.130m Offset File OCEAN38CL.off MB 3.990m Displacement 6,850kg Draft 2.056m			
CLASS Class OCEANIS 38 Cruiser Designer FINOT-CONQ Builder BENETEAU Series 01/2015 Age Date 06/2015 Age Allowance 0.163%		IMS Division Cruiser/Racer Dynamic All. 0.374% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No				
COMMENTS Builder's displacement.		IMSL 11.088m VCGD 0.292m Sink 23.96kg/mm RL 7.169m VCGM 0.254m WS 32.05m² LSM0 11.113m Displacement/Length ratio 4.9911 Water Ballast 0 Trim Tab No BLR Index 0.0000				
PROPELLER Installation Strut PRD 0.400 Type Solid 3 blades PBW 0.163 PIPA 0.0199		CENTERBOARD NA				
SCORING OPTIONS						
Time on Distance	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	646.9			737.6		
Time on Time	0.9275			0.9152		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	798.2	580.9	499.3	1064.7	745.5	619.1
Time on Time	0.8457	1.1619	1.3519	0.6340	0.9054	1.0903

BOAT	
Name NAFPARIS	Sail Nr GRE-1745
File GR1745	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 13.229	E 4.214 MDT1 0.127 MW
IG 13.943	J 4.796 MDL1 0.191 GO
ISP 14.650	SFJ 0.000 MDT2 BD
BAS 1.746	SPL MDL2 MWT
FSD -3.000	TPS 4.986 TL -3.000 MCG

INCLINING TEST AND FREEBOARDS		
Inclining Test Club Estimated VCG		
Flotation date 28/12/2015	SG 1.0260	
FFM 1.485	FF 1.485	SFFP 0.312
FAM 1.169	FA 1.169	SAFP 11.159
LCF from stem on CL / on sheer		6.459 / 6.745
Maximum beam station from stem		8.565
RM Measured		171.5kg-m
RM Default		166.5kg-m
Limit of positive stability / Stab.Index		109.8° / 109.6
Freeboard at mast at 4.796		1.325



2020
Measurements
Datasheet

MIZZEN RIG AND SAILS	
N/A	

PROPELLER		
Installation Strut	PRD 0.400	
Type Solid 3 blades	PBW 0.163	
Twin Screw No	PIPA 0.0199	
ST1 0.050	ST3 0.180 ST5 0.280	
ST2 0.180	ST4 0.100 EDL 2.580	

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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	0.07	0.74	1.39	2.52	3.43	31.38		28/12/2015	ELVSTROM	Dacron						
HEADSAILS (2)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.07	0.58	1.12	2.36	3.71	5.12	13.40	107%	32.91		No		28/12/2015	ELVSTROM	Dacron	
2	0.06	0.61	1.20	2.44	3.70	4.95	13.08	103%	32.19		No		05/02/2019		Kevlar	
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	14.51	13.74	14.13	6.43	8.56	80.71	asy76		29/09/2016	QUANTUM	Nylon					

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ORC Club Certificate Appendix

BOAT	
Name	NAFPARIS
Sail Nr	GRE-1745
Certificate Number	01133
Issued On	10/06/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1274.7	1018.5	879.8	788.6	731.5	705.8	703.5
52°	813.8	661.9	579.3	525.5	495.3	481.7	477.5
60°	739.1	605.1	532.6	503.4	479.1	466.7	460.2
75°	660.6	547.7	490.1	468.3	459.4	452.6	435.8
90°	632.6	524.7	474.5	451.6	436.3	426.9	413.8
110°	656.3	539.6	480.7	453.3	431.9	410.6	376.9
120°	697.9	566.2	495.0	462.9	440.9	417.8	374.5
135°	810.1	639.4	542.9	486.2	457.8	435.9	391.5
150°	959.2	743.0	623.6	547.3	502.2	475.2	438.9
Run VMG	1107.6	858.0	720.1	632.0	579.9	544.9	473.6
Selected Courses							
Windward / Leeward	1191.2	938.2	799.9	710.3	655.7	625.3	588.5
Circular Random	949.2	752.5	643.8	578.8	538.2	511.8	480.5
Coastal / Long Distance	1182.8	872.5	706.6	603.6	546.2	507.9	453.0
Non Spinnaker	1051.7	823.4	694.4	615.2	564.4	531.3	494.7

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°	43.7°	42.4°	41.6°	41.3°	40.9°	41.3°
Beat VMG	2.82	3.53	4.09	4.56	4.92	5.10	5.12
52°	4.42	5.44	6.21	6.85	7.27	7.47	7.54
60°	4.87	5.95	6.76	7.15	7.51	7.71	7.82
75°	5.45	6.57	7.35	7.69	7.84	7.95	8.26
90°	5.69	6.86	7.59	7.97	8.25	8.43	8.70
110°	5.49	6.67	7.49	7.94	8.34	8.77	9.55
120°	5.16	6.36	7.27	7.78	8.17	8.62	9.61
135°	4.44	5.63	6.63	7.40	7.86	8.26	9.20
150°	3.75	4.84	5.77	6.58	7.17	7.58	8.20
Run VMG	3.25	4.20	5.00	5.70	6.21	6.61	7.60
Gybe Angles	145.0°	146.0°	146.5°	146.3°	147.8°	174.0°	177.5°