



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 **00175**
Issued On **17/06/2020**
ORC Ref **03420000KT9**
VPP Ver. **2020 1.02**
Valid until **28/02/2021**

Crew Weight

Default	569kg
Maximum	540kg
Minimum*	405kg

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

Special Scoring

ToD	ToT
Non Spin GPH 720.0	0.8333
Non Spin OSN 693.9	0.8647

Sails Limitations

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

Asymmetric on centerline

Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 67.78**
Flying H/S: **No**
Spin. Pole: **No**

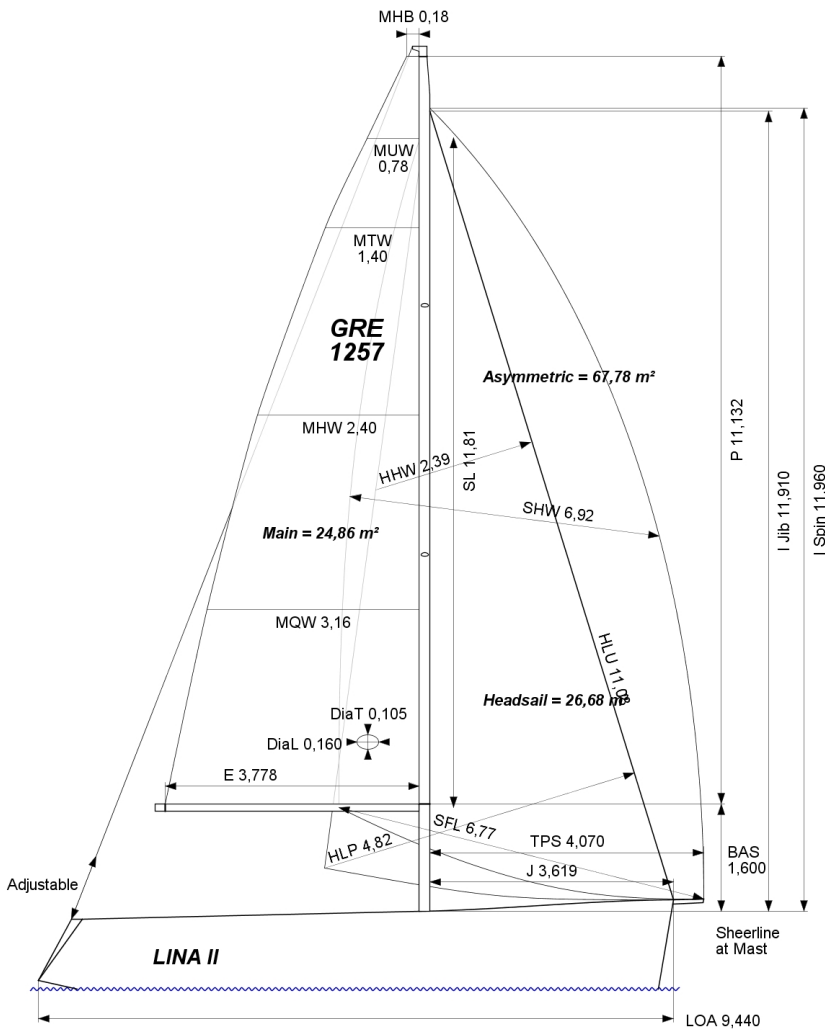
Class Division Length

CDL = 8.066

Stability (Estimated)

Limit Positive Stab.: **120.4°**
Stability Index: **120.0**

Owner



BOAT Name LINA II Sail Nr GRE-1257		GPH 683.7	HULL Data File GR1257 LOA 9.440m Offset File JEAN32I.OFF MB 3.328m Displacement 4,363kg Draft 1.992m			
CLASS Class SUN FAST 32i Designer PHILLIPPE BRIAND Builder JEANNEAU Series 01/2001 Age Date 01/2007 Age Allowance 0.487%			IMS Division Cruiser/Racer Dynamic All. 0.329% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No			
COMMENTS			IMSL 8.829m VCGD -0.018m Sink 15.73kg/mm RL 7.303m VCGM 0.031m WS 21.13m² LSM0 8.755m Displacement/Length ratio 6.5015 Water Ballast 0 Trim Tab No BLR Index 0.0000			
PROPELLER Installation Shaft exposed PRD 0.432 Type Folding 2 blades PBW 0.114 PIPA 0.0050			CENTERBOARD N/A			
SCORING OPTIONS						
Time on Distance	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	663.2			743.2		
Time on Time	0.9047			0.9082		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	790.4	603.7	535.8	1022.4	751.0	645.7
Time on Time	0.8540	1.1181	1.2599	0.6602	0.8988	1.0454

BOAT	
Name LINA II	Sail Nr GRE-1257
File GR1257	Data in meters/kilograms

RIG	
Forestay Tension Aft	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 11.132	E 3.778 MDT1 0.105 MW 0.160
IG 11.910	J 3.619 MDL1 0.160 GO 0.180
ISP 11.960	SFJ 0.000 MDT2 0.100 BD 0.110
BAS 1.600	SPL MDL2 0.120 MWT
FSD 0.031	TPS 4.070 TL 0.575 MCG

INCLINING TEST AND FREEBOARDS	
Inclining Test Club Estimated VCG	
Flotation date 05/05/2017	SG 1.0270
FFM 1.329 FF 1.323 SFFP 0.215	
FAM 1.024 FA 1.031 SAFF 8.790	
LCF from stem on CL / on sheer	5.295 / 5.534
Maximum beam station from stem	6.345
RM Measured	87.1kg-m
RM Default	84.5kg-m
Limit of positive stability / Stab.Index	120.4° / 120.0
Freeboard at mast at 3.619	1.157



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2020
Measurements
Datasheet

MIZZEN RIG AND SAILS	
N/A	

PROPELLER	
Installation Shaft exposed	PRD 0.432
Type Folding 2 blades	PBW 0.114
Twin Screw No	PIPA 0.0050
PSA 23.470 PHL 0.117 ST3 0.092 ESL 0.710	
PSD 0.025 ST1 0.023 ST4 0.053	
PHD 0.068 ST2 0.080 ST5 0.200	

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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					
3	0.18	0.78	1.40	2.40	3.16	24.87		09/02/2016	QUANTUM	Technora						
2	0.23	0.80	1.37	2.32	3.07	24.40		30/06/2010	QUANTUM	Dacron						
HEADSAILS (6)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovr/tp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
8	0.05	0.61	1.19	2.39	3.62	4.82	11.08	133%	26.68		No		09/02/2016	QUANTUM	Carbon	No 1
4	0.10	0.61	1.17	2.31	3.49	4.68	11.10	129%	25.95		No		03/03/2010	QUANTUM	Kevlar	MEDIUM-HEAVY
6	0.07	0.47	0.93	1.92	3.02	4.17	11.09	115%	22.22		No		15/09/2010	QUANTUM	Pentex	JIBTOP
7	0.07	0.50	0.97	1.91	2.86	3.81	11.17	105%	21.41		No		03/03/2010	QUANTUM	Pentex	WIND SEEKER
5	0.09	0.48	0.90	1.77	2.67	3.61	11.08	100%	19.91		No		11/03/2010	QUANTUM	Kevlar	No 3
3	0.05	0.44	0.85	1.72	2.60	3.57	10.88	99%	19.02		No		28/02/2011	QUANTUM	Dacron	No 3.5
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ASYMMETRIC SPINNAKERS (4)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
3	12.76	10.85	11.81	6.92	6.77	67.79	asym		15/03/2014	QUANTUM	Nylon	A2				
2	12.55	11.15	11.85	6.52	6.74	64.82	asym		28/02/2011	QUANTUM	Nylon	A2.5				
1	12.23	10.99	11.61	6.51	6.98	63.90	asym		13/09/2012	QUANTUM	Nylon	A1				
4	12.40	10.70	11.55	5.50	6.71	55.27	asy82		20/10/2016	QUANTUM	Nylon	A5.75				

MEASUREMENT INVENTORY				
Measurer GRE-52				
Date 05/05/2017				
Comment				
Internal Ballast total = 0.0				
Id	Item	Weight	Distance	VCG Description
4	Ancher	8.0	8.00	FOB
4	Chain	15.0	8.00	
4	Feels	10.0	8.50	
Id	Item	Maker	Model	
1	Engine	YANMAR	3YM20	
1	Engine	YANMAR	3YM20	
Id	Item	Weight	Description	

MEASUREMENT INVENTORY							
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn Description
1	Tank	WATER	PVC	170.0	1.80		0-0
2	Tank	FUEL	PVC	70.0	8.40		0-0
3	Tank	HOLDING	PVC	50.0	6.10		0-0
1	Tank	WATER	PVC	170.0		1.80	0-0
2	Tank	FUEL	PVC	70.0		8.40	0-0
Id	Item	Weight	Distance	VCG Description			
1	Battery		4.70	54AH VHF BATTERY			
2	Battery		7.10	2x70AH			
1	Battery		4.70	54AH VHF BATTERY			
2	Battery		7.10	2x70AH			
1	Misc	20.0	1.30	ANCHOR WINDLASS			
2	Misc	10.0	0.00	GENOA FURLER			
3	Misc	20.0	4.20	WATER HEATER			
1	Misc	20.0	1.30	ANCHOR WINDLASS			

2020

ORC Club Certificate Appendix

BOAT	
Name	LINA II
Certificate Number	00175
Sail Nr	GRE-1257
Issued On	17/06/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1176.7	973.8	858.8	781.4	745.2	734.0	735.7
52°	768.3	648.0	579.6	545.8	530.2	523.7	521.4
60°	727.5	615.9	559.3	532.9	518.3	509.8	505.6
75°	700.2	592.5	544.9	522.3	506.6	494.0	478.9
90°	689.1	574.9	527.5	504.7	489.5	479.2	460.3
110°	691.4	571.3	523.9	498.6	475.6	454.4	425.7
120°	716.1	588.7	531.2	503.8	479.9	456.1	414.7
135°	795.8	646.2	560.1	521.7	497.6	474.3	429.8
150°	935.9	743.4	633.8	569.3	535.4	514.4	477.9
Run VMG	1080.7	858.3	731.8	657.4	613.1	559.8	508.7
Selected Courses							
Windward / Leeward	1128.7	916.1	795.3	719.4	679.1	646.9	622.2
Circular Random	947.2	762.5	662.9	604.8	569.2	546.5	519.6
Coastal / Long Distance	1123.9	859.0	713.8	624.4	579.1	545.0	494.4
Non Spinnaker	1017.4	810.6	696.9	629.3	587.5	560.9	531.0

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	42.8°	41.3°	40.9°	39.8°	38.6°	38.3°	38.3°
Beat VMG	3.06	3.70	4.19	4.61	4.83	4.90	4.89
52°	4.69	5.56	6.21	6.60	6.79	6.87	6.90
60°	4.95	5.84	6.44	6.76	6.95	7.06	7.12
75°	5.14	6.08	6.61	6.89	7.11	7.29	7.52
90°	5.22	6.26	6.82	7.13	7.35	7.51	7.82
110°	5.21	6.30	6.87	7.22	7.57	7.92	8.46
120°	5.03	6.11	6.78	7.15	7.50	7.89	8.68
135°	4.52	5.57	6.43	6.90	7.23	7.59	8.38
150°	3.85	4.84	5.68	6.32	6.72	7.00	7.53
Run VMG	3.33	4.19	4.92	5.48	5.87	6.43	7.08
Gybe Angles	146.0°	147.5°	147.0°	148.0°	174.0°	176.0°	178.0°