



World Leader in Rating Technology

2018 ORC Club Certificate

Rating Office

EYU
Regati 1
11911, Tallinn
Estonia

Certificate

Number **EST242**
Issued On **6/28/2018**
ORC Ref **EST00000279**
VPP Ver. **2018 1.00**
Valid until **12/31/2018**

Crew Weight

Default 317kg
Maximum **420kg**
Minimum* **315kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	724.8	0.8278
Double H.OSN	706.8	0.8489
Non Spin GPH	743.8	0.8067
Non Spin OSN	718.3	0.8354

Sails Limitations

Headsails **5** Spinnakers **3**

Spinnaker configuration

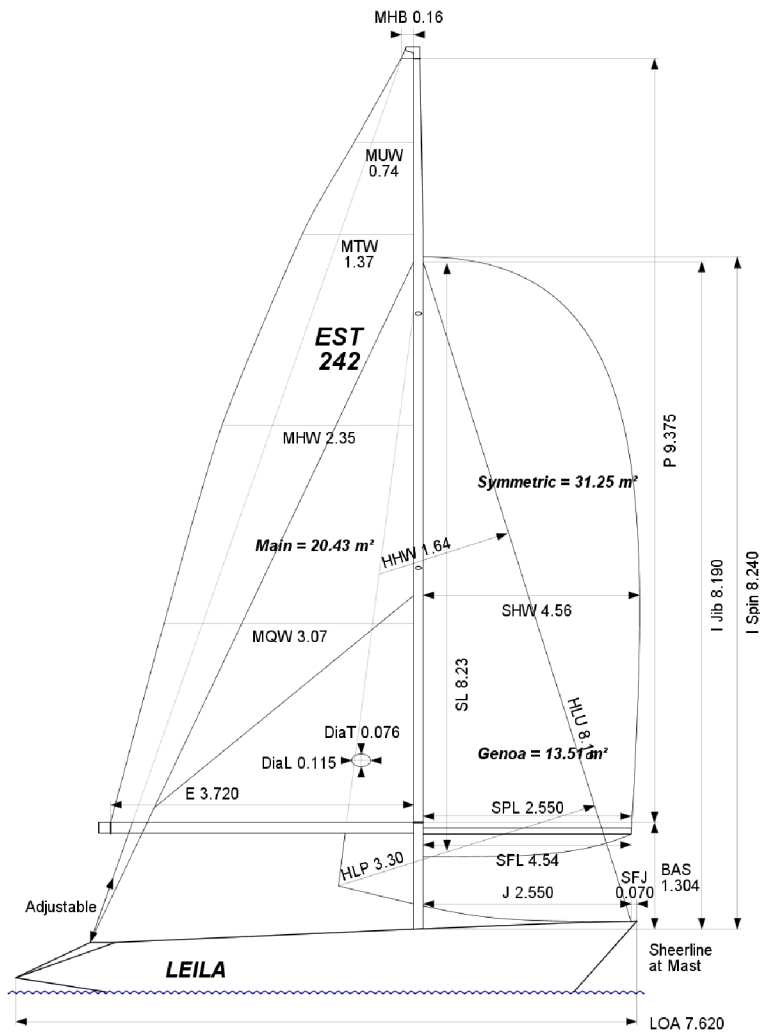
Symmetric: **Yes** **31.25**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Class Division Length

CDL = **6.422**

Stability (Estimated)

Limit Positive Stab.: **116.0°**
Stability Index: **108.3**



BOAT	GPH	HULL
Name LEILA Sail Nr EST 242	719.4	Data File Est0242 LOA 7.620m Offset File Polari17.off MB 2.692m Displacement 1,692kg Draft 1.729m
CLASS		IMS Division Performance Dynamic All. 0.015% Fwd Accom. Yes Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
Class POLARIS Designer SET Builder SET Series 06/1984 Age Date 01/1998 Age Allowance 0.487%		IMSL 6.104m VCGD -0.076m Sink 8.34kg/mm RL 6.739m VCGM -0.075m WS 10.79m² LSM0 5.800m Displacement/Length ratio 8.6719
COMMENTS		Water Ballast 0 Trim Tab No BLR Index 0.0000
Yacht weight declared by the owner 27.06.14 (incl. battery 37kg and el. engine 6kg)		CENTERBOARD
PROPELLER		N/A
Type No Propeller		SCORING OPTIONS
		COASTAL / LONG DISTANCE
Time on Distance	698.2	WINDWARD / LEEWARD
Time on Time	0.8594	770.2
		0.8764
Triple Number	Low Medium High	Low Medium High
Time on Distance	814.2 640.3 575.7	1039.4 772.0 682.2
Time on Time	0.8290 1.0542 1.1724	0.6494 0.8744 0.9895

BOAT	
Name LEILA	Sail Nr EST 242
File Est0242	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Club Estimated VCG			
Flotation date 27/06/2014		SG 1.0020	
FFM	FF 0.850	SFFP	0.394
FAM	FA 0.614	SAFP	6.402
LCF from stem on CL / on sheer		3.995 / 4.201	
Maximum beam station from stem		4.141	
RM Measured		31.0kg·m	
RM Default		30.1kg·m	
Limit of positive stability / Stab.Index		116.0° / 108.3	
Freeboard at mast at 2.620		0.778	



2018
Measurements
Datasheet

RIG			
Forestay Tension Aft	Spreaders 2		
Inner Stay None Fitted	Runners 2		
Carbon Mast No	Jumper Struts None		
Taper Hollows No	Jib Furler No		
Fiber Rigging No	Main Furler No		
Lenticular Rigging No	Without Backstay No		
Articulated Bowsprit No			
P 9.375	E 3.720	MDT1 0.076	MW 0.115
IG 8.190	J 2.550	MDL1 0.115	GO 0.118
ISP 8.240	SFJ 0.070	MDT2 0.068	BD
BAS 1.304	SPL 2.550	MDL2 0.073	MWT 40.00
FSP	TPS	TL 2.120	MCG 3.180

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MIZZEN RIG AND SAILS	
N/A	

PROPELLER	
Type No Propeller	

COMMENTS	
Yacht weight declared by the owner 27.06.14 (incl. battery 37kg and el. engine 6kg)	

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	0.155	0.74	1.37	2.35	3.07	20.43	AT			Unknown						
HEADSAILS (2)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
3	0.05	0.44	0.84	1.64	2.47	3.30	8.16	129%	13.51			EST 2	08/05/2010		Unknown	
4	0.05	0.41	0.79	1.59	2.42	3.30	8.13	129%	13.18			Sisil	05/06/2018	NS	Unknown	
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	8.23	8.23	8.23	4.56	4.54	31.25	EST 2	08/05/2010		Unknown						
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				



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ORC Club Certificate Appendix

BOAT	
Name	LEILA
Certificate Number	EST242
Sail Nr	EST 242
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1152.3	969.5	864.9	813.4	798.0	793.2	800.6
52°	775.0	661.7	616.9	594.9	582.8	577.4	575.2
60°	740.8	642.4	605.3	582.4	566.9	558.3	553.0
75°	716.2	630.2	596.3	571.0	548.7	533.3	519.7
90°	717.5	618.9	579.0	549.1	528.7	519.7	493.7
110°	724.6	620.9	580.3	546.8	517.4	493.2	461.8
120°	753.4	634.4	589.1	556.5	526.5	500.2	452.8
135°	838.3	687.8	614.1	579.0	548.0	520.1	471.8
150°	981.7	782.6	665.1	607.8	575.7	546.5	497.0
Run VMG	1133.5	902.5	762.1	666.5	611.5	579.4	525.3
Selected Courses							
Windward / Leeward	1142.9	936.0	813.5	739.9	704.8	686.3	663.0
Circular Random	980.1	796.3	698.7	642.4	608.2	586.0	558.1
Coastal / Long Distance	1142.0	882.7	741.7	660.9	619.7	588.2	532.5
Non Spinnaker	1022.3	826.5	721.8	661.2	624.2	600.4	570.9

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	41.1°	40.5°	38.8°	37.0°	36.3°	36.3°	37.1°
Beat VMG	3.12	3.71	4.16	4.43	4.51	4.54	4.50
52°	4.65	5.44	5.84	6.05	6.18	6.23	6.26
60°	4.86	5.60	5.95	6.18	6.35	6.45	6.51
75°	5.03	5.71	6.04	6.30	6.56	6.75	6.93
90°	5.02	5.82	6.22	6.56	6.81	6.93	7.29
110°	4.97	5.80	6.20	6.58	6.96	7.30	7.80
120°	4.78	5.67	6.11	6.47	6.84	7.20	7.95
135°	4.29	5.23	5.86	6.22	6.57	6.92	7.63
150°	3.67	4.60	5.41	5.92	6.25	6.59	7.24
Run VMG	3.18	3.99	4.72	5.40	5.89	6.21	6.85
Gybe Angles	148.7°	153.0°	155.9°	180.0°	180.0°	180.0°	180.0°