



World Leader in Rating Technology

2014 ORC Club Certificate

Rating Office

REGATE
Eksporta 1a, Andrejosta
Marina
LV1010, Riga
Latvia



Certificate

Number **LAT163**
Issued On **05-Jun-14**
ORC Ref **AR00001422**
VPP Ver. **2014 1.01**
Valid until **31-Dec-14**

Crew Weight

Declared **380 kg**
Default* **317 kg**
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H.GPH	728.2	0.8239
Double H.OSN	708.6	0.8467
Non Spin GPH	741.5	0.8092
Non Spin OSN	717.1	0.8367
N/S Perf. Line	122.6	0.736

Sails Limitations

Genoas **2** Spinnakers **3**
Jibs **2**

Spinnaker configuration

Symmetric: **Yes 29.36**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

Stability

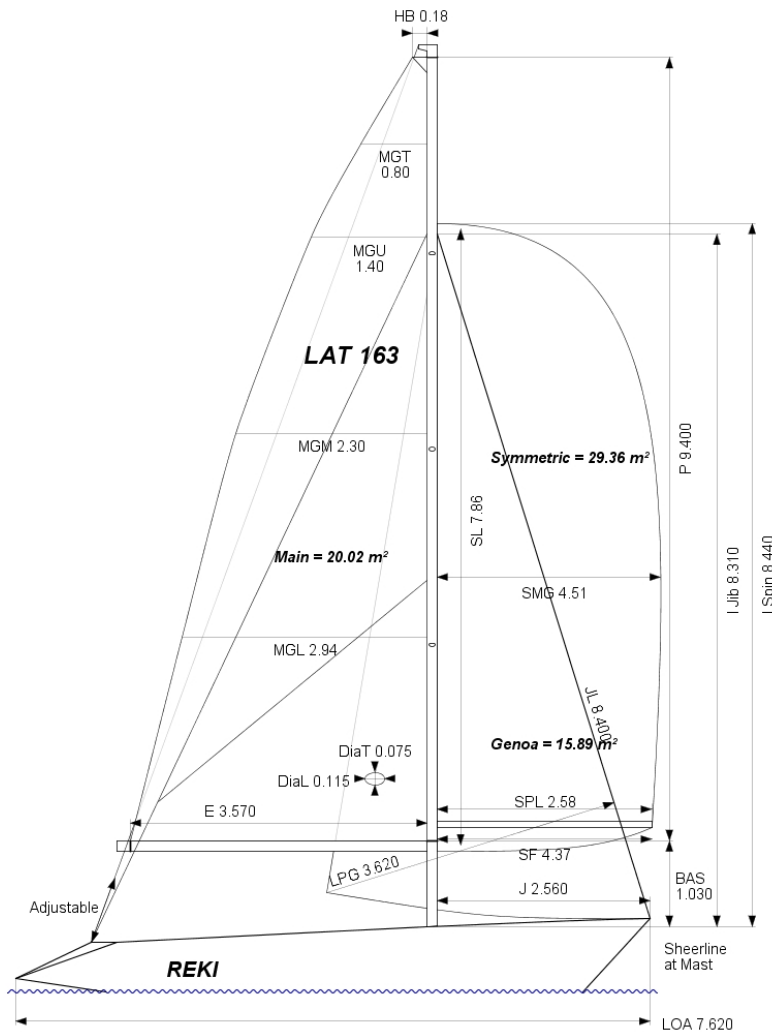
LPS (Estimated): **115.0°**
Stability Index: **107.4**
OSR Category: **N/A**

Owner

Karlis Kozlovskis
Marupes 8
Riga

I certify that I understand my responsibilities under ORC Rules and Regulations

Signature



BOAT		GPH		HULL			
Name REKI Sail Nr LAT 163		724.1		Data File REKI_LAT163_1.	LOA 7.620 m		
				Offset File Polari17.off	MB 2.692 m		
				Displacement 1,747 kg	Draft 1.735 m		
CLASS				IMS Division Performance		Dynamic All. 0.063%	
Class POLARIS				Fwd Accom. No	Construction Solid		
Designer Tallinn				Fiber Rigging No	Aramid Core No		
Builder Tallinn				Crew Arm Ex	Carbon Rudder No		
Series 06-1984				Light Stanchions			
Age Date 10-1991				IMS L 6.130	Wetted Area 10.96 m²	VCGM -0.065	
Age Allowance 0.488%							
COMMENTS				CENTERBOARD			
				N/A			
PROPELLER							
Type No Propeller							
SCORING OPTIONS							
	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD			
	PLT	PLD		PLT	PLD		
Time On Distance	702.6			771.5			
Time On Time	0.8539			0.8749			
Performance Line	0.775		138.3	0.766		226.1	
	Low	Medium	High	Low	Medium	High	
Triple Number	0.8208	1.0477	1.1757	0.6384	0.8713	1.0009	



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ORC Club Certificate Appendix

BOAT	
Name REKI	Certificate Number LAT163
Sail Nr LAT 163	Issued On 05-Jun-14

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1153.8	966.3	862.9	811.1	787.0	774.6	770.9
52°	762.1	650.5	608.3	586.8	575.1	567.9	561.9
60°	720.8	629.0	595.1	573.2	557.3	548.6	541.3
75°	689.5	615.8	584.5	560.2	538.5	523.2	510.2
90°	697.6	620.1	586.4	555.6	531.3	520.0	491.1
110°	744.0	631.5	589.7	559.0	529.9	504.8	467.7
120°	777.8	648.8	599.4	570.3	542.5	516.7	471.1
135°	877.5	716.9	630.6	592.5	563.7	535.9	488.9
150°	1022.2	810.6	686.4	620.6	587.0	559.1	508.9
Run VMG	1180.3	928.7	775.0	673.0	616.4	584.4	531.2
Selected Courses							
Windward / Leeward	1167.1	947.5	819.0	742.1	701.7	679.5	651.0
Circular Random	989.4	802.9	703.3	645.3	609.3	585.2	553.8
Ocean for PCS	1051.9	836.9	718.2	646.2	599.2	565.8	517.3
Non Spinnaker	1020.2	824.7	719.7	658.3	620.3	595.1	563.2

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	42.3°	41.5°	39.5°	37.5°	36.1°	35.4°	35.6°
Beat VMG	3.12	3.73	4.17	4.44	4.57	4.65	4.67
52°	4.72	5.53	5.92	6.13	6.26	6.34	6.41
60°	4.99	5.72	6.05	6.28	6.46	6.56	6.65
75°	5.22	5.85	6.16	6.43	6.68	6.88	7.06
90°	5.16	5.81	6.14	6.48	6.78	6.92	7.33
110°	4.84	5.70	6.10	6.44	6.79	7.13	7.70
120°	4.63	5.55	6.01	6.31	6.64	6.97	7.64
135°	4.10	5.02	5.71	6.08	6.39	6.72	7.36
150°	3.52	4.44	5.24	5.80	6.13	6.44	7.07
Run VMG	3.05	3.88	4.65	5.35	5.84	6.16	6.78
Gybe Angles	150.4°	160.4°	172.6°	175.9°	179.3°	179.5°	179.5°