



ORC

Offshore Racing Congress
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**2020
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **015310**
Issued On **04/09/2020**
ORC Ref **03570000PQR**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 344kg
Maximum **344kg**
Minimum* **258kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	759.5	0.7900
Non Spin OSN	737.3	0.8138

Sails Limitations

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

Spinnaker configuration
Symmetric: **Yes** 31.91
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

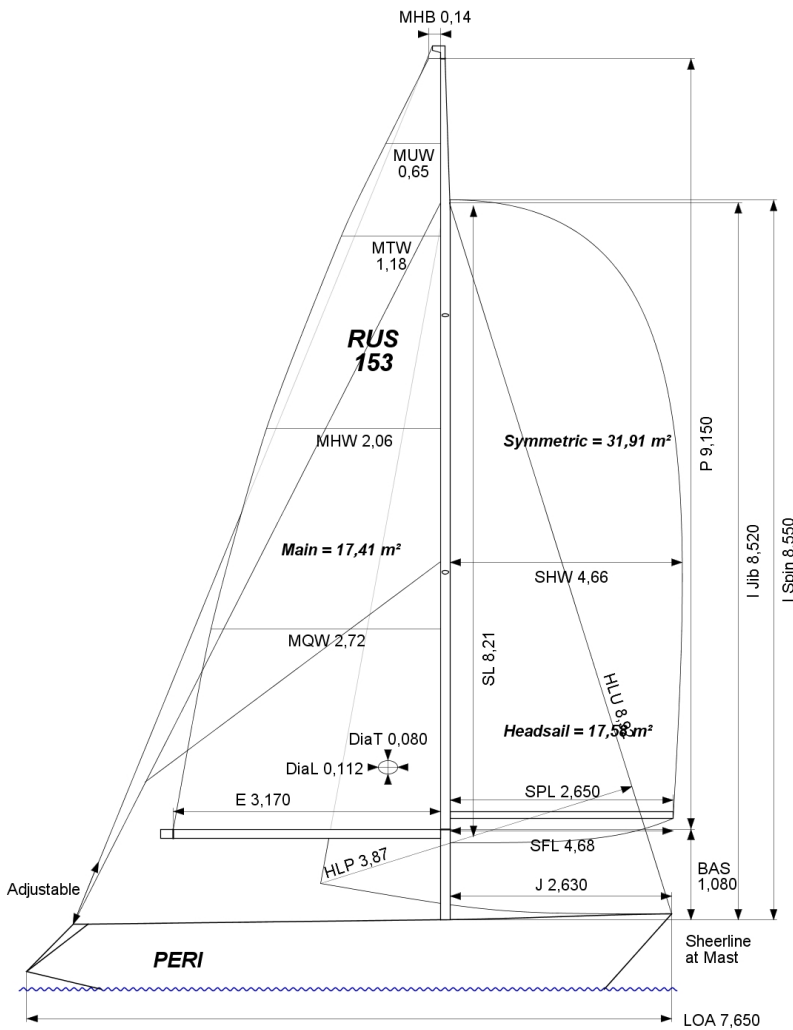
Class Division Length

CDL = 6.208

Stability (Measured)

Limit Positive Stab.: **102.8°**
Stability Index: **95.3**

Owner



BOAT	GPH	HULL
Name Peri Sail Nr RUS 153	738.5	Data File RUS0153_Peri LOA 7.650m Offset File c25_st.off MB 2.756m Displacement 1,707kg Draft 1.540m
CLASS Class Konrad-25RT Designer D. Peterson Builder Konrad Boatyard Series 12/1978 Age Date 05/1986 Age Allowance 0.487%		IMS Division Performance Dynamic All. 0.096% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS		IMSL 6.268m VCGD 0.186m Sink 8.43kg/mm RL 6.154m VCGM 0.167m WS 11.61m² LSM0 6.149m Displacement/Length ratio 7.3421
PROPELLER Type No Propeller		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	719.7	796.8
Time on Time	0.8337	0.8471
Triple Number	Low Medium High	Low Medium High
Time on Distance	829.5 658.5 599.5	1059.5 796.7 712.9
Time on Time	0.8137 1.0250 1.1259	0.6371 0.8472 0.9469

2020

ORC Club Certificate Appendix

BOAT	
Name Peri	Certificate Number 015310
Sail Nr RUS 153	Issued On 04/09/2020

TIME ALLOWANCES								
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	
Beat VMG	1167.6	986.2	883.7	851.2	841.9	840.9	851.4	
52°	778.1	668.6	627.5	610.6	604.4	601.9	602.8	
60°	741.0	647.9	614.6	596.5	587.5	583.2	582.6	
75°	717.2	635.0	603.7	581.8	564.9	554.1	546.9	
90°	726.8	636.1	595.5	569.4	553.2	536.5	514.9	
110°	750.3	636.3	593.0	561.1	532.4	510.1	485.8	
120°	778.4	650.7	601.7	569.8	539.8	512.9	471.4	
135°	862.8	708.1	628.4	591.7	561.4	532.5	482.0	
150°	1004.0	802.6	682.2	621.4	588.6	560.2	508.5	
Run VMG	1159.3	924.7	782.6	684.3	625.6	592.6	538.6	
Selected Courses								
Windward / Leeward	1163.4	955.5	833.1	767.8	733.8	716.7	695.0	
Circular Random	999.9	814.6	717.3	662.4	629.7	609.1	584.0	
Coastal / Long Distance	1163.0	901.3	759.0	683.1	643.4	611.1	556.3	
Non Spinnaker	1036.8	840.9	737.1	678.1	642.7	620.3	593.6	

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	41.3°	41.3°	39.0°	38.3°	37.9°	38.3°	39.0°	
Beat VMG	3.08	3.65	4.07	4.23	4.28	4.28	4.23	
52°	4.63	5.38	5.74	5.90	5.96	5.98	5.97	
60°	4.86	5.56	5.86	6.03	6.13	6.17	6.18	
75°	5.02	5.67	5.96	6.19	6.37	6.50	6.58	
90°	4.95	5.66	6.04	6.32	6.51	6.71	6.99	
110°	4.80	5.66	6.07	6.42	6.76	7.06	7.41	
120°	4.63	5.53	5.98	6.32	6.67	7.02	7.64	
135°	4.17	5.08	5.73	6.08	6.41	6.76	7.47	
150°	3.59	4.49	5.28	5.79	6.12	6.43	7.08	
Run VMG	3.11	3.89	4.60	5.26	5.75	6.08	6.68	
Gybe Angles	149.0°	153.5°	156.0°	180.0°	180.0°	180.0°	180.0°	