



ORC
Offshore Racing Congress
World leader in rating technology

**2020
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **5123.7**
Issued On **07/08/2020**
ORC Ref **0357000004K**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 753kg
Maximum **753kg**
Minimum* **565kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	666.0	0.9009
Non Spin OSN	642.8	0.9334

Sails Limitations

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

Spinnaker configuration
Symmetric: **Yes** 93.05
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

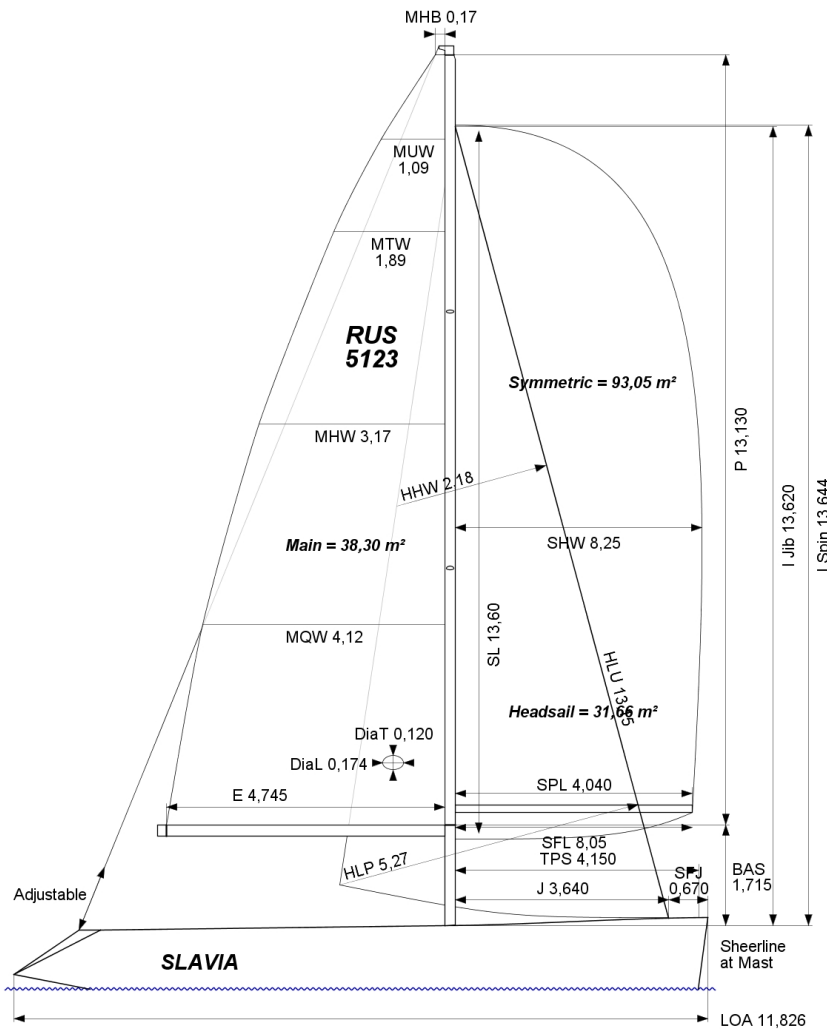
Class Division Length

CDL = 9.610

Stability (Measured)

Limit Positive Stab.: **124.7°**
Stability Index: **127.0**

Owner



BOAT		GPH	HULL			
Name Slavia		631.0	Data File RU5123_Slavia	LOA 11.826m		
Sail Nr RUS 5123			Offset File slavia20.off	MB 3.872m		
			Displacement 7,376kg	Draft 2.375m		
CLASS			IMS Division Cruiser/Racer	Dynamic All. 0.347%		
Class one tonner			Plan Review	Construction Solid		
Designer			Fiber Rigging No	Aramid Core No		
Builder custom			Crew Arm Ex	Carbon Rudder No		
Series 07/2012				Light Stanchions No		
Age Date 07/2012			IMSL 10.623m	VCGD -0.111m		
Age Allowance 0.260%			RL 8.602m	VCGM -0.131m		
COMMENTS			WS 28.90m²			
+7921417776			LSM0 10.648m	Displacement/Length ratio 6.1097		
			Water Ballast 0	Trim Tab No		
			BLR Index 0.0000			
PROPELLER			CENTERBOARD			
Installation Strut	PRD 0.406		NA			
Type Folding 2 blades	PBW 0.113					
	PIPA 0.0037					
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	610.7			679.3		
Time on Time	0.9825			0.9936		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	739.0	555.1	486.8	958.5	687.2	578.5
Time on Time	0.9134	1.2161	1.3866	0.7042	0.9823	1.1668

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ORC Club Certificate Appendix

BOAT	
Name Slavia	Certificate Number 5123.7
Sail Nr RUS 5123	Issued On 07/08/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1086.9	894.8	788.4	720.0	684.6	669.0	659.2
52°	711.4	598.9	532.1	501.3	486.4	478.0	471.6
60°	674.0	569.1	513.2	488.7	475.3	466.2	457.2
75°	648.8	545.9	499.7	478.5	464.6	453.5	435.8
90°	656.8	543.4	490.7	468.8	459.6	448.0	424.3
110°	650.6	531.8	482.7	459.4	440.8	424.3	406.4
120°	670.2	546.9	488.5	462.8	442.7	422.9	390.2
135°	741.8	603.2	516.1	478.7	456.9	437.1	397.2
150°	897.6	706.6	590.5	515.9	480.2	459.4	422.1
Run VMG	1036.5	815.9	681.9	590.5	534.6	493.2	451.0
Selected Courses							
Windward / Leeward	1061.7	855.4	735.1	655.2	609.6	581.1	555.1
Circular Random	882.6	707.1	611.4	555.0	520.0	497.3	469.9
Coastal / Long Distance	1059.2	802.6	659.5	571.6	528.1	497.1	449.9
Non Spinnaker	944.5	751.3	644.6	580.6	540.4	514.1	482.4

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°	40.5°	40.5°	39.8°	38.6°	37.9°	37.5°
Beat VMG	3.31	4.02	4.57	5.00	5.26	5.38	5.46
52°	5.06	6.01	6.77	7.18	7.40	7.53	7.63
60°	5.34	6.33	7.01	7.37	7.57	7.72	7.87
75°	5.55	6.60	7.20	7.52	7.75	7.94	8.26
90°	5.48	6.62	7.34	7.68	7.83	8.03	8.48
110°	5.53	6.77	7.46	7.84	8.17	8.48	8.86
120°	5.37	6.58	7.37	7.78	8.13	8.51	9.23
135°	4.85	5.97	6.98	7.52	7.88	8.24	9.06
150°	4.01	5.10	6.10	6.98	7.50	7.84	8.53
Run VMG	3.47	4.41	5.28	6.10	6.73	7.30	7.98
Gybe Angles	145.0°	150.0°	148.0°	154.0°	168.0°	180.0°	180.0°