

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **9824.7**
Issued On **16/07/2020**
ORC Ref **03570000MML**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 878kg
Maximum **878kg**
Minimum* **659kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	676.7	0.8867
Non Spin OSN	656.7	0.9137

Sails Limitations

Headsails **1** Spinnakers **0**
Woven Polyester

Spinnaker configuration

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

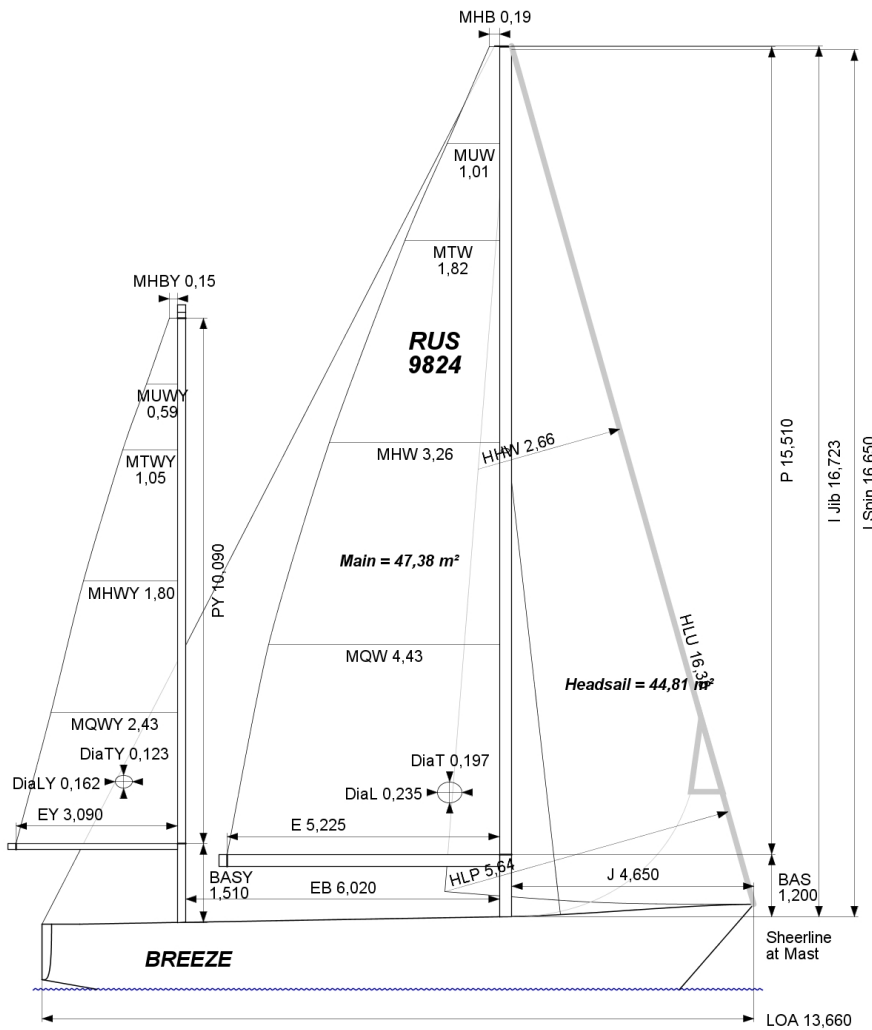
Class Division Length

CDL = 9.385

Stability (Measured)

Limit Positive Stab.: **109.5°**
Stability Index: **119.2**

Owner



BOAT	GPH	HULL
Name Breeze Sail Nr RUS 9824	676.7	Data File RU9824_Briz LOA 13.660m Offset File SOL1400.off MB 3.834m Displacement 13,957kg Draft 2.407m
CLASS Class SOL 1350 Designer A. Struzhilin Builder Solombala Yard Series 05/1990 Age Date 05/1994 Age Allowance 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.557% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS +7-812-962-87-11		IMSL 11.801m VCGD 0.079m Sink 26.97kg/mm RL 6.976m VCGM 0.277m WS 41.33m² LSM0 11.856m Displacement/Length ratio 8.3749
PROPELLER Installation Strut PRD 0.460 Type Folding 3 blades PBW 0.112 PIPA 0.0042		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	656.7	744.8
Time on Time	0.9137	0.9063
Triple Number	Low Medium High	Low Medium High
Time on Distance	797.9 592.7 522.2	1049.4 749.8 639.9
Time on Time	0.8460 1.1388 1.2927	0.6432 0.9002 1.0548

2020

ORC Club Certificate Appendix

BOAT	
Name Breeze	Certificate Number 9824.7
Sail Nr RUS 9824	Issued On 16/07/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1144.5	933.4	838.4	799.5	782.2	777.4	765.4
52°	730.4	615.3	554.0	521.7	509.1	504.6	497.6
60°	680.8	581.7	521.5	492.4	481.8	477.5	474.3
75°	642.1	550.7	494.7	470.6	459.0	453.5	449.9
90°	645.8	547.6	489.5	463.3	449.6	440.5	429.1
110°	715.2	588.1	508.7	470.1	451.3	438.3	418.6
120°	757.5	619.8	536.6	483.0	458.0	442.9	418.6
135°	882.0	694.6	594.6	524.4	479.8	457.0	429.6
150°	1046.4	800.2	666.0	582.7	520.1	479.3	442.3
Run VMG	1207.6	912.5	744.8	641.2	569.4	513.4	455.6
Selected Courses							
Windward / Leeward	1176.1	922.9	791.6	720.3	675.8	645.4	610.5
Circular Random	952.0	759.6	655.0	593.9	556.8	533.3	505.8
Coastal / Long Distance	1179.2	865.8	707.4	616.1	565.4	528.9	475.4
Non Spinnaker	952.0	759.6	655.0	593.9	556.8	533.3	505.8

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	45.0°	42.6°	41.3°	42.0°	42.9°	43.5°	44.3°
Beat VMG	3.15	3.86	4.29	4.50	4.60	4.63	4.70
52°	4.93	5.85	6.50	6.90	7.07	7.13	7.24
60°	5.29	6.19	6.90	7.31	7.47	7.54	7.59
75°	5.61	6.54	7.28	7.65	7.84	7.94	8.00
90°	5.57	6.57	7.35	7.77	8.01	8.17	8.39
110°	5.03	6.12	7.08	7.66	7.98	8.21	8.60
120°	4.75	5.81	6.71	7.45	7.86	8.13	8.60
135°	4.08	5.18	6.05	6.87	7.50	7.88	8.38
150°	3.44	4.50	5.41	6.18	6.92	7.51	8.14
Run VMG	2.98	3.95	4.83	5.61	6.32	7.01	7.90
Gybe Angles	169.0°	170.0°	172.0°	174.0°	175.0°	175.0°	179.0°