



2020
ORC Club
Certificate

Rating Office

Offshore
Racing
Congress



Certificate

Number **2398.1**
Issued On **26/08/2020**
ORC Ref **03570000P18**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 558kg
Maximum **558kg**
Minimum* **419kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	633.9	0.9465
Non Spin OSN	616.7	0.9728

Sails Limitations

Headsails **5** Spinnakers **4**
Woven Polyester
Asymmetric on centerline
Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 85.35**
Flying H/S: **No**
Spin. Pole: **No**

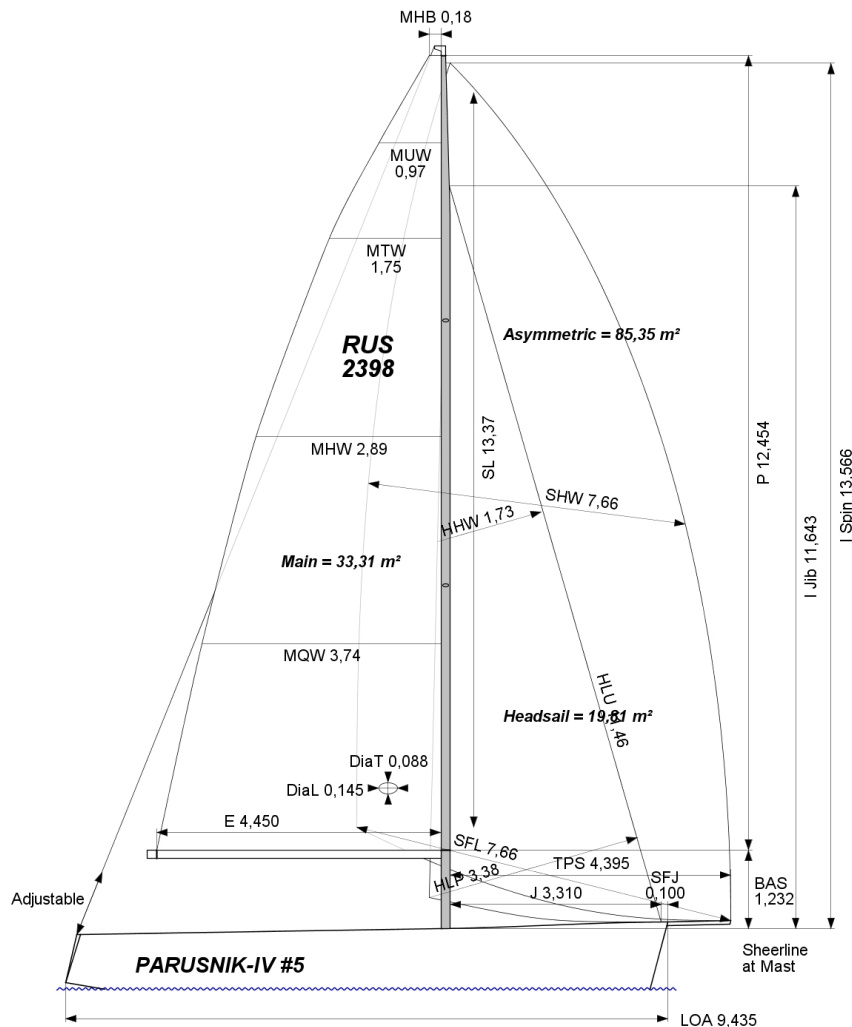
Class Division Length

CDL = 8.961

Stability (Measured)

Limit Positive Stab.: **128.2°**
Stability Index: **122.0**

Owner



BOAT Name Parusnik-IV #5 Sail Nr RUS 2398		GPH 593.4	HULL Data File RU2398_PARUS LOA 9.435m Offset File FARR30_Ru20.o MB 3.038m Displacement 2,223kg Draft 2.133m			
CLASS Class Farr 30 Designer B. FARR Builder OVINGTON Series 02/1997, CIN OVM 30618B796 Age Date 02/1997 Age Allowance 0.487%		IMS Division Performance Dynamic All. 0.000% Plan Review Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder Yes Light Stanchions No				
COMMENTS Bow number 5		IMSL 8.867m VCGD -0.341m Sink 11.77kg/mm RL 9.070m VCGM -0.286m WS 15.77m² LSM0 8.627m Displacement/Length ratio 3.4623 Water Ballast 0 Trim Tab No BLR Index 0.0000				
PROPELLER Installation Strut PRD 0.352 Type Folding 2 blades PBW 0.090 PIPA 0.0032		CENTERBOARD NA				
SCORING OPTIONS						
	COASTAL / LONG DISTANCE		WINDWARD / LEEWARD			
Time on Distance	578.5		651.7			
Time on Time	1.0372		1.0358			
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	662.5	532.7	470.7	849.2	654.6	574.5
Time on Time	1.0189	1.2671	1.4340	0.7949	1.0311	1.1750

2020

ORC Club Certificate Appendix

BOAT	
Name	Parusnik-IV #5
Sail Nr	RUS 2398
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	972.7	802.6	725.2	701.1	691.9	682.9	677.5
52°	640.9	549.2	519.7	508.0	502.0	499.7	488.9
60°	605.5	534.2	507.3	491.6	483.2	478.4	465.5
75°	580.9	523.1	494.4	469.1	451.9	443.0	434.1
90°	579.3	515.5	492.2	462.1	434.7	414.0	393.7
110°	570.3	505.0	465.8	442.0	421.1	401.4	365.4
120°	585.9	510.5	467.6	427.8	401.5	380.4	343.8
135°	656.3	539.3	494.6	451.9	409.2	366.9	303.8
150°	781.1	623.1	537.8	500.6	466.2	426.8	338.1
Run VMG	901.9	719.4	621.3	577.0	538.4	492.9	390.4
Selected Courses							
Windward / Leeward	937.3	761.0	673.2	639.1	615.1	587.9	534.0
Circular Random	801.6	654.6	577.3	532.2	502.4	479.7	442.8
Coastal / Long Distance	933.8	718.0	612.8	556.1	519.3	483.7	421.7
Non Spinnaker	877.8	707.1	615.1	560.7	525.8	501.3	465.9

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	42.0°	40.9°	37.9°	36.8°	36.4°	36.0°	36.0°
Beat VMG	3.70	4.49	4.96	5.13	5.20	5.27	5.31
52°	5.62	6.56	6.93	7.09	7.17	7.20	7.36
60°	5.95	6.74	7.10	7.32	7.45	7.53	7.73
75°	6.20	6.88	7.28	7.67	7.97	8.13	8.29
90°	6.21	6.98	7.31	7.79	8.28	8.70	9.14
110°	6.31	7.13	7.73	8.15	8.55	8.97	9.85
120°	6.14	7.05	7.70	8.41	8.97	9.46	10.47
135°	5.49	6.67	7.28	7.97	8.80	9.81	11.85
150°	4.61	5.78	6.69	7.19	7.72	8.43	10.65
Run VMG	3.99	5.00	5.79	6.24	6.69	7.30	9.22
Gybe Angles	143.0°	145.0°	151.0°	151.5°	147.5°	144.5°	142.5°