



ORC

Offshore Racing Congress
World leader in rating technology

2020
ORC Club
Certificate

Rating Office

Offshore
Racing
Congress



Certificate

Number **2397.1**
Issued On **26/08/2020**
ORC Ref **03570000P19**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 546kg
Maximum **546kg**
Minimum* **410kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	623.9	0.9617
Non Spin OSN	608.2	0.9866

Sails Limitations

Headsails **5** Spinnakers **4**
Woven Polyester
Asymmetric on centerline
Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 84.96**
Flying H/S: **No**
Spin. Pole: **No**

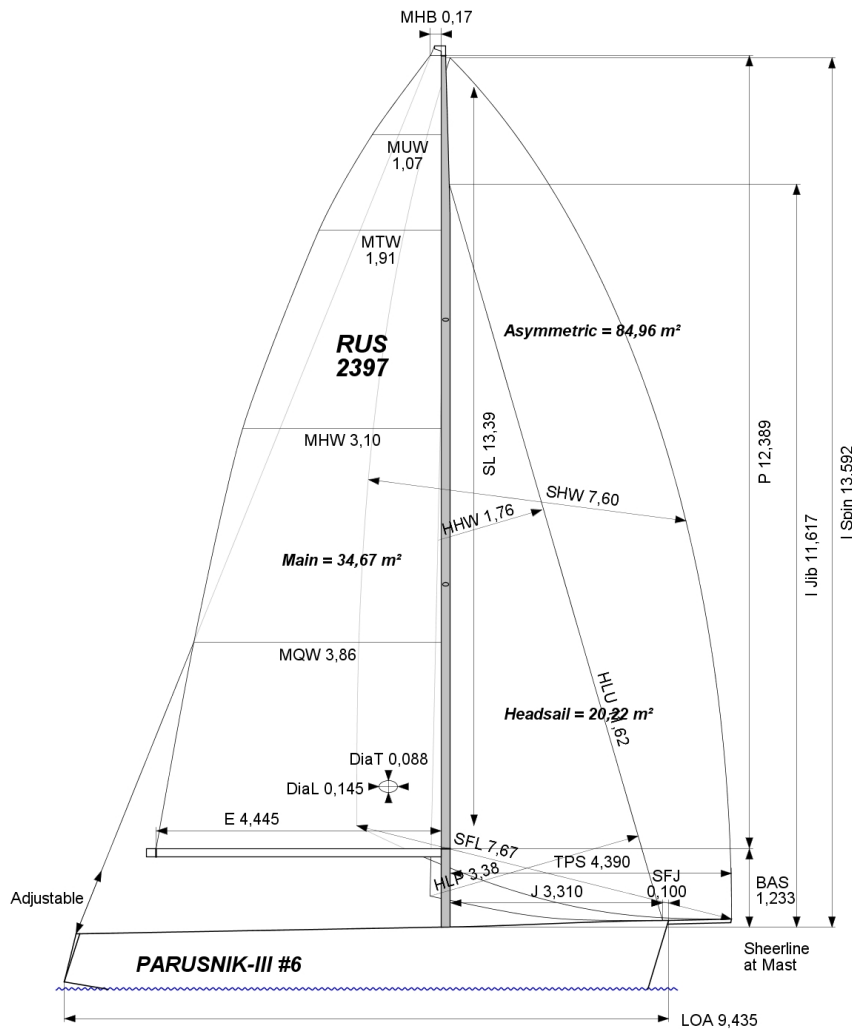
Class Division Length

CDL = 8.947

Stability (Measured)

Limit Positive Stab.: **130.9°**
Stability Index: **124.5**

Owner



BOAT	GPH	HULL
Name Parusnik-III #6 Sail Nr RUS 2397	585.6	Data File RU2397_Parusni LOA 9.435m Offset File FARR30_Ru20.o MB 3.038m Displacement 2,067kg Draft 2.119m
CLASS Class Farr 30 Designer B. FARR Builder OVINGTON Series 02/1997, CIN GB OVM 30669C999 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	IMS L 8.788m VCGD -0.424m Sink 11.49kg/mm RL 9.127m VCGM -0.355m WS 15.38m² LSM0 8.504m Displacement/Length ratio 3.3610 Water Ballast 0 Trim Tab No BLR Index 0.0000
COMMENTS Bow number 6	CENTERBOARD NA	
PROPELLER Installation Strut PRD 0.352 Type Folding 2 blades PBW 0.090 PIPA 0.0032		
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	571.1	643.6
Time on Time	1.0505	1.0488
Triple Number	Low Medium High	Low Medium High
Time on Distance	652.0 526.7 463.7	834.3 648.9 566.8
Time on Time	1.0353 1.2815 1.4556	0.8091 1.0403 1.1910

2020

ORC Club Certificate Appendix

BOAT	
Name	Parusnik-III #6
Sail Nr	RUS 2397
Certificate Number	2397.1
Issued On	26/08/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	951.2	784.9	719.8	699.0	690.8	679.0	677.4
52°	626.1	541.3	516.0	505.7	500.2	495.7	486.1
60°	591.4	527.5	502.2	488.0	479.9	475.4	461.6
75°	566.9	516.8	486.2	461.1	446.9	438.6	426.6
90°	572.3	512.8	483.7	450.9	424.3	405.7	388.7
110°	563.6	500.7	460.2	436.4	414.1	393.6	350.0
120°	578.1	506.1	460.4	420.5	395.1	373.4	334.4
135°	647.4	534.2	488.8	443.8	399.1	355.4	296.6
150°	771.6	614.8	532.4	495.0	457.4	415.3	324.1
Run VMG	891.0	710.0	615.4	571.0	528.1	479.6	374.2
Selected Courses							
Windward / Leeward	921.1	747.4	667.6	635.0	609.4	579.3	525.8
Circular Random	789.5	645.7	569.9	525.5	495.7	472.7	435.7
Coastal / Long Distance	918.1	706.0	606.9	551.0	513.5	476.7	414.3
Non Spinnaker	860.4	694.9	605.8	552.9	518.7	494.4	459.3

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°	40.5°	37.5°	36.8°	36.4°	35.6°	36.2°
Beat VMG	3.78	4.59	5.00	5.15	5.21	5.30	5.31
52°	5.75	6.65	6.98	7.12	7.20	7.26	7.41
60°	6.09	6.83	7.17	7.38	7.50	7.57	7.80
75°	6.35	6.97	7.40	7.81	8.06	8.21	8.44
90°	6.29	7.02	7.44	7.98	8.48	8.87	9.26
110°	6.39	7.19	7.82	8.25	8.69	9.15	10.29
120°	6.23	7.11	7.82	8.56	9.11	9.64	10.77
135°	5.56	6.74	7.37	8.11	9.02	10.13	12.14
150°	4.67	5.86	6.76	7.27	7.87	8.67	11.11
Run VMG	4.04	5.07	5.85	6.30	6.82	7.51	9.62
Gybe Angles	143.0°	145.5°	151.5°	151.0°	147.3°	144.5°	142.9°