

2020

ORC Club Certificate Appendix

BOAT	
Name NIKA	Certificate Number LT2056
Sail Nr LTU 2056	Issued On 01/08/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1211.5	1021.2	906.5	841.3	814.6	801.0	796.5
52°	794.8	675.3	611.2	582.9	569.4	563.1	559.3
60°	753.0	641.3	591.7	568.6	555.0	546.9	541.2
75°	724.3	618.7	577.5	556.2	540.3	527.6	512.8
90°	733.5	620.3	568.0	547.2	535.4	519.7	494.9
110°	722.6	600.3	555.5	528.7	506.6	491.9	475.9
120°	747.2	609.1	559.0	530.6	505.1	483.6	458.1
135°	820.6	664.9	579.0	546.1	520.0	495.2	455.0
150°	955.6	765.0	640.3	575.1	545.9	522.1	478.2
Run VMG	1103.5	883.8	739.4	648.4	589.6	556.1	510.1
Selected Courses							
Windward / Leeward	1157.5	952.5	822.9	744.8	702.1	678.6	653.3
Circular Random	983.6	795.4	694.5	636.2	600.8	578.3	551.5
Coastal / Long Distance	1152.1	893.8	742.3	655.5	611.7	578.2	527.3
Non Spinnaker	1045.0	840.0	728.7	663.2	622.9	596.9	565.9

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	42.8°	42.0°	42.0°	40.9°	40.1°	39.8°	40.1°
Beat VMG	2.97	3.53	3.97	4.28	4.42	4.49	4.52
52°	4.53	5.33	5.89	6.18	6.32	6.39	6.44
60°	4.78	5.61	6.08	6.33	6.49	6.58	6.65
75°	4.97	5.82	6.23	6.47	6.66	6.82	7.02
90°	4.91	5.80	6.34	6.58	6.72	6.93	7.27
110°	4.98	6.00	6.48	6.81	7.11	7.32	7.56
120°	4.82	5.91	6.44	6.79	7.13	7.44	7.86
135°	4.39	5.41	6.22	6.59	6.92	7.27	7.91
150°	3.77	4.71	5.62	6.26	6.59	6.90	7.53
Run VMG	3.26	4.07	4.87	5.55	6.11	6.47	7.06
Gybe Angles	148.0°	152.0°	149.5°	160.0°	180.0°	180.0°	180.0°