

2020

ORC Club Certificate Appendix

BOAT	
Name Extra	Certificate Number 0639.7
Sail Nr RUS 639	Issued On 29/07/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	927.2	795.2	732.5	703.9	691.6	682.6	676.8
52°	598.8	531.7	510.0	500.2	494.7	491.7	484.8
60°	559.9	511.1	494.6	485.0	479.1	476.9	468.6
75°	530.4	492.0	474.9	463.6	455.7	448.8	442.9
90°	524.2	485.4	463.0	446.1	433.5	424.2	408.4
110°	559.7	502.8	469.8	447.1	424.9	403.2	375.6
120°	601.9	509.1	472.6	439.8	413.2	395.8	361.6
135°	674.6	545.4	492.2	460.2	426.4	393.0	331.3
150°	798.7	639.4	543.0	496.4	471.9	446.3	381.8
Run VMG	922.2	738.3	627.0	571.6	536.6	499.0	440.8
Selected Courses							
Windward / Leeward	924.7	766.8	679.7	637.8	614.1	590.8	558.8
Circular Random	785.7	646.2	573.8	532.4	506.3	487.6	459.0
Coastal / Long Distance	924.4	720.7	614.5	554.7	521.1	491.5	439.2
Non Spinnaker	879.8	708.0	615.7	562.0	528.5	505.8	474.7

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	44.3°	42.0°	39.4°	38.3°	37.5°	37.1°	37.5°
Beat VMG	3.88	4.53	4.91	5.11	5.21	5.27	5.32
52°	6.01	6.77	7.06	7.20	7.28	7.32	7.43
60°	6.43	7.04	7.28	7.42	7.51	7.55	7.68
75°	6.79	7.32	7.58	7.77	7.90	8.02	8.13
90°	6.87	7.42	7.78	8.07	8.30	8.49	8.82
110°	6.43	7.16	7.66	8.05	8.47	8.93	9.58
120°	5.98	7.07	7.62	8.19	8.71	9.09	9.96
135°	5.34	6.60	7.31	7.82	8.44	9.16	10.87
150°	4.51	5.63	6.63	7.25	7.63	8.07	9.43
Run VMG	3.90	4.88	5.74	6.30	6.71	7.21	8.17
Gybe Angles	144.0°	148.0°	149.0°	151.5°	175.0°	177.5°	142.8°