



2020 ORC Club Certificate

Rating Office
Hungarian Yachting Association
Istvanmezei ut 1-3
H-1146 Budapest
HUNGARY

Certificate
Number **023/20**
Issued On **23/07/2020**
ORC Ref **03880000N1E**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default	1,046kg
Maximum	800kg
Minimum*	600kg

*when applied by the NoR and SI
Non Manual Pwr **No**

Special Scoring

ToD	ToT
Non Spin GPH 571.2	1.0504
Non Spin OSN 557.4	1.0764

Sails Limitations
Headsails **7** Spinnakers **5**

Asymmetric on centerline
Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 179.91**
Flying H/S: **No**
Spin. Pole: **No**

Class Division Length
CDL = **12.080**

Stability (Estimated)
Limit Positive Stab.: **103.0°**
Stability Index: **102.2**

Owner
Dr. Tamás Bölcsvölgyi
Bartlang u. 12/b
1025 Budapest
HUNGARY

I certify that I understand my responsibilities under ORC Rules and Regulations

Signature

BOAT Name Amadeus Sail Nr HUN-12214	GPH 525.3	HULL Data File HUN12224 LOA 14.850m Offset File AMADEUS2.OFF MB 3.986m Displacement 6,025kg Draft 2.666m
CLASS Class Cori 45 mod. Designer Paolo Cori Builder Cobramarine Series 01/1991 Age Date 01/1991 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 No Light Stanchions No
COMMENTS		IMSL 13.532m VCGD 0.193m Sink 26.65kg/mm RL 10.644m VCGM 0.189m WS 34.47m² LSM0 13.411m Displacement/Length ratio 2.4979
PROPELLER Installation Strut PRD 0.432 Type Solid 2 blades PBW 0.113 PIPA 0.0194		Water Ballast Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A

SCORING OPTIONS

	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Low	Medium	High	Low	Medium	High
Time on Distance	510.3			578.4		
Time on Time	1.1757			1.1671		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	605.0	464.5	408.2	789.8	583.7	502.3
Time on Time	1.1157	1.4533	1.6536	0.8547	1.1564	1.3439

**ORC**Offshore Racing Congress
World leader in rating technology

2020

ORC Club Certificate Appendix

BOAT	
Name Amadeus	Certificate Number 023/20
Sail Nr HUN-12214	Issued On 23/07/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	921.5	740.9	673.3	647.2	632.1	610.6	607.6
52°	595.8	486.6	448.8	436.1	430.4	419.2	415.1
60°	557.4	459.9	428.6	418.6	413.4	404.9	397.1
75°	527.4	441.1	411.1	396.5	387.5	381.8	365.0
90°	533.0	442.1	407.3	383.1	364.8	354.7	344.3
110°	523.7	430.8	403.1	383.4	364.7	348.5	311.7
120°	539.3	434.5	395.5	371.0	351.9	335.2	304.6
135°	607.3	471.8	412.7	376.5	342.4	313.1	278.0
150°	729.8	566.5	470.3	415.6	385.8	353.0	289.8
Run VMG	842.6	654.1	543.1	481.7	445.5	407.6	334.6
Selected Courses							
Windward / Leeward	882.1	697.5	608.2	564.5	538.8	509.1	471.1
Circular Random	730.3	586.0	509.2	464.7	436.5	416.4	387.9
Coastal / Long Distance	878.1	653.1	545.0	485.5	451.1	417.1	367.5
Non Spinnaker	814.3	645.3	552.6	497.1	461.4	437.0	406.3

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	43.9°	42.8°	41.3°	40.9°	40.9°	40.1°	40.5°
Beat VMG	3.91	4.86	5.35	5.56	5.70	5.90	5.92
52°	6.04	7.40	8.02	8.26	8.37	8.59	8.67
60°	6.46	7.83	8.40	8.60	8.71	8.89	9.07
75°	6.83	8.16	8.76	9.08	9.29	9.43	9.86
90°	6.75	8.14	8.84	9.40	9.87	10.15	10.46
110°	6.87	8.36	8.93	9.39	9.87	10.33	11.55
120°	6.68	8.29	9.10	9.70	10.23	10.74	11.82
135°	5.93	7.63	8.72	9.56	10.52	11.50	12.95
150°	4.93	6.36	7.65	8.66	9.33	10.20	12.42
Run VMG	4.27	5.50	6.63	7.47	8.08	8.83	10.76
Gybe Angles	141.5°	141.5°	145.5°	151.5°	149.5°	147.5°	146.0°