



ORC
Offshore Racing Congress
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2020
ORC Club
Certificate

Rating Office

Offshore
Racing
Congress



Certificate

Number **055/20**
Issued On **05/08/2020**
ORC Ref **0385000008**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 698kg
Maximum **698kg**
Minimum* **524kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH 727.7		0.8245
Non Spin OSN 700.2		0.8569

Sails Limitations

Headsails **5** Spinnakers **0**
Woven Polyester

Spinnaker configuration

Symmetric: **No**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **No**

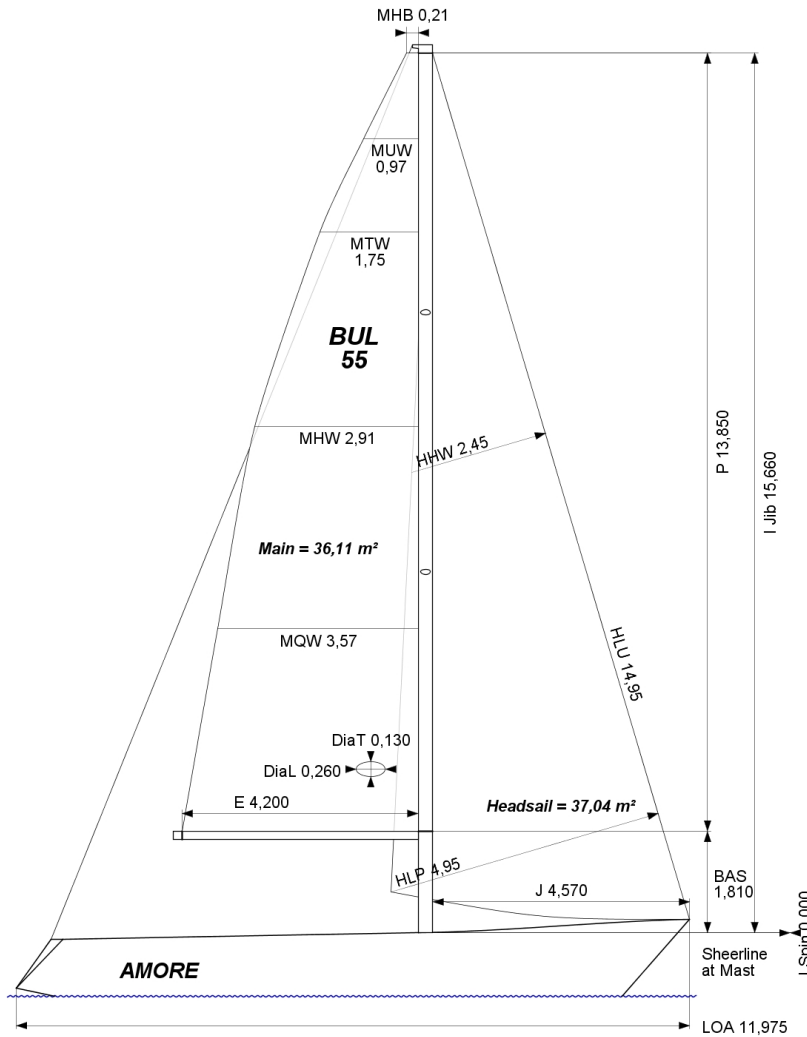
Class Division Length

CDL = 8.349

Stability (Estimated)

Limit Positive Stab.: **110.7°**
Stability Index: **117.0**

Owner



BOAT	GPH	HULL
Name Amore Sail Nr BUL 55	727.7	Data File BUL55 LOA 11.975m Offset File HC44901.off MB 3.918m Displacement 9,900kg Draft 2.047m
CLASS Class Van de Stadt 40 Designer Van de Stadt Builder Naval arsenal, Var Series 04/1989 Age Date 01/2008 Age Allowance 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.649% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS		IMSL 10.110m VCGD 0.071m Sink 24.22kg/mm RL 6.587m VCGM 0.028m WS 33.54m² LSM0 10.100m Displacement/Length ratio 9.6088
PROPELLER Installation Shaft non exposed PRD 0.460 Type Solid 3 blades PIPA 0.0127		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD NA
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	700.2	779.3
Time on Time	0.8569	0.8662
Triple Number	Low Medium High	Low Medium High
Time on Distance	878.9 636.1 533.9	1144.3 793.9 637.8
Time on Time	0.7680 1.0612 1.2642	0.5899 0.8502 1.0583

2020

ORC Club Certificate Appendix

BOAT	
Name Amore	Certificate Number 055/20
Sail Nr BUL 55	Issued On 05/08/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1255.1	1025.4	904.4	822.8	761.3	724.4	708.4
52°	800.5	669.2	595.2	544.2	515.4	500.3	490.2
60°	748.2	632.3	562.5	521.8	500.2	487.4	475.2
75°	714.0	604.8	538.3	505.8	488.1	475.5	457.0
90°	722.0	608.5	537.6	502.9	484.4	470.2	444.8
110°	797.3	652.6	567.3	515.5	490.2	473.9	446.4
120°	855.1	690.6	597.3	533.1	499.5	480.6	452.4
135°	985.9	771.3	657.2	581.2	527.7	498.4	466.5
150°	1156.3	882.8	732.7	640.6	573.7	525.8	480.8
Run VMG	1308.3	988.1	806.1	693.6	616.7	557.5	492.6
Selected Courses							
Windward / Leeward	1281.7	1006.7	855.2	758.2	689.0	640.9	600.5
Circular Random	1042.9	825.9	704.2	629.5	581.2	549.1	511.5
Coastal / Long Distance	1284.4	946.1	767.8	655.5	589.0	543.6	489.0
Non Spinnaker	1042.9	825.9	704.2	629.5	581.2	549.1	511.5

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	45.8°	43.5°	42.4°	42.4°	42.0°	40.9°	40.5°
Beat VMG	2.87	3.51	3.98	4.38	4.73	4.97	5.08
52°	4.50	5.38	6.05	6.62	6.98	7.20	7.34
60°	4.81	5.69	6.40	6.90	7.20	7.39	7.58
75°	5.04	5.95	6.69	7.12	7.38	7.57	7.88
90°	4.99	5.92	6.70	7.16	7.43	7.66	8.09
110°	4.52	5.52	6.35	6.98	7.34	7.60	8.07
120°	4.21	5.21	6.03	6.75	7.21	7.49	7.96
135°	3.65	4.67	5.48	6.19	6.82	7.22	7.72
150°	3.11	4.08	4.91	5.62	6.27	6.85	7.49
Run VMG	2.75	3.64	4.47	5.19	5.84	6.46	7.31
Gybe Angles	174.0°	175.0°	176.0°	177.0°	178.0°	178.0°	179.5°