



2020
ORC Club
Certificate

Rating Office

Offshore
Racing
Congress



Certificate

Number **048/20**
Issued On **25/07/2020**
ORC Ref **03850000N5V**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 345kg
Maximum **400kg**
Minimum* **300kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	745.5	0.8048
Non Spin OSN	723.2	0.8296

Sails Limitations

Headsails **5** Spinnakers **4**

Spinnaker configuration

Symmetric: **Yes 29.82**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

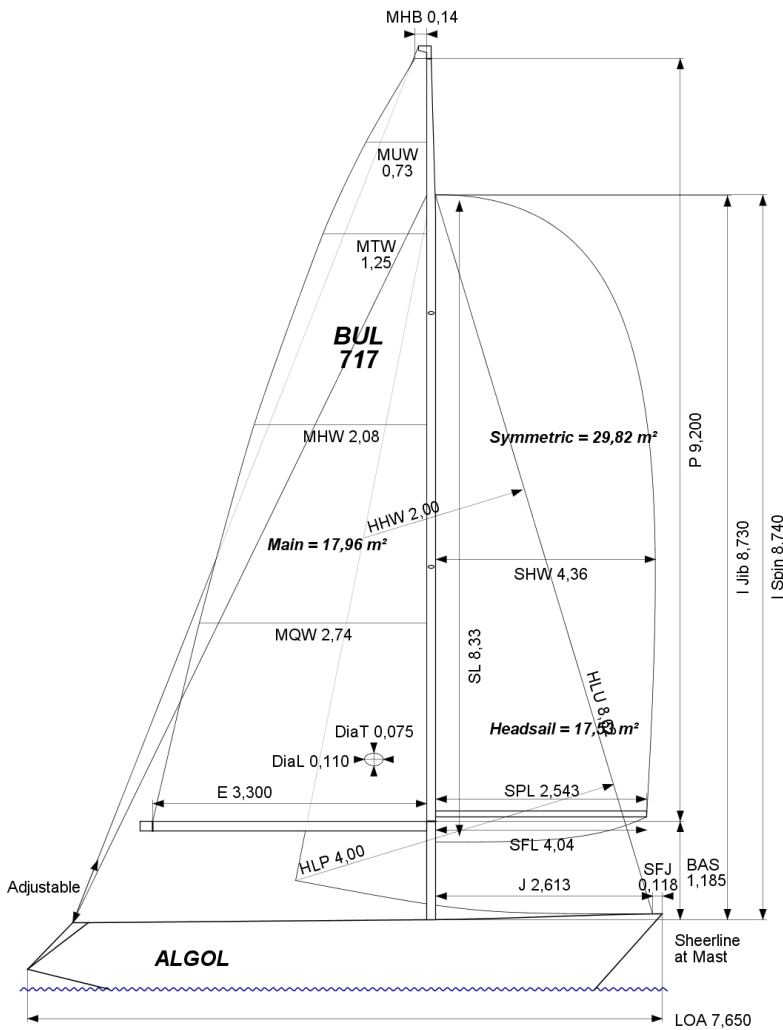
Class Division Length

CDL = 6.346

Stability (Estimated)

Limit Positive Stab.: **115.1°**
Stability Index: **107.3**

Owner



BOAT Name Algol Sail Nr BUL-717		GPH 726.3	HULL Data File BUL717 LOA 7.650m Offset File C760.off MB 2.756m Displacement 1,518kg Draft 1.516m			
CLASS Class Conrad 25R Designer Doug Peterson Builder Conrad shipyard Series 01/1976 Age Date 03/1980 Age Allowance 0.487%		IMS Division Performance Dynamic All. 0.068% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No		IMSL 6.175m VCGD -0.040m Sink 8.09kg/mm RL 6.517m VCGM -0.035m WS 11.07m² LSM0 6.161m Displacement/Length ratio 6.4911		
COMMENTS		Water Ballast 0 Trim Tab No BLR Index 0.0000				
PROPELLER Type No Propeller		CENTERBOARD N/A				
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	706.8			781.5		
Time on Time	0.8489			0.8638		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	816.1	648.2	586.0	1041.7	781.9	697.8
Time on Time	0.8271	1.0414	1.1519	0.6480	0.8633	0.9673

2020

ORC Club Certificate Appendix

BOAT	
Name Algol	Certificate Number 048/20
Sail Nr BUL-717	Issued On 25/07/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1141.3	961.6	862.9	827.2	817.2	815.3	827.3
52°	759.8	655.9	619.8	601.6	593.6	589.7	590.9
60°	723.0	637.9	607.5	587.5	574.7	568.8	566.5
75°	700.5	627.7	596.7	572.3	552.1	539.0	529.8
90°	709.3	628.7	589.8	559.5	537.9	523.6	499.2
110°	740.6	631.8	589.0	553.3	522.9	498.0	465.8
120°	769.4	645.7	598.3	564.1	532.3	504.2	454.3
135°	855.6	700.6	625.6	588.6	555.5	525.5	471.2
150°	993.9	794.6	676.3	618.6	585.0	553.9	500.3
Run VMG	1147.7	915.8	774.2	678.4	622.1	588.6	531.1
Selected Courses							
Windward / Leeward	1144.5	938.7	818.6	752.8	719.6	701.9	679.2
Circular Random	983.6	801.7	705.7	650.8	617.6	596.0	568.7
Coastal / Long Distance	1144.8	886.3	747.4	671.4	630.8	598.1	540.9
Non Spinnaker	1017.4	825.6	723.8	665.3	629.8	606.8	578.4

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	41.1°	40.9°	38.3°	37.1°	36.8°	36.8°	37.9°
Beat VMG	3.15	3.74	4.17	4.35	4.41	4.42	4.35
52°	4.74	5.49	5.81	5.98	6.07	6.10	6.09
60°	4.98	5.64	5.93	6.13	6.26	6.33	6.36
75°	5.14	5.74	6.03	6.29	6.52	6.68	6.79
90°	5.08	5.73	6.10	6.43	6.69	6.88	7.21
110°	4.86	5.70	6.11	6.51	6.88	7.23	7.73
120°	4.68	5.58	6.02	6.38	6.76	7.14	7.92
135°	4.21	5.14	5.75	6.12	6.48	6.85	7.64
150°	3.62	4.53	5.32	5.82	6.15	6.50	7.20
Run VMG	3.14	3.93	4.65	5.31	5.79	6.12	6.78
Gybe Angles	149.0°	153.0°	156.0°	180.0°	180.0°	180.0°	180.0°