



ORC

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**2020
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **012/20**
Issued On **19/06/2020**
ORC Ref **0385000L1D**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 345kg
Maximum **395kg**
Minimum* **296kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	748.9	0.8012
Non Spin OSN	726.3	0.8261

Sails Limitations

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

Spinnaker configuration

Symmetric: **Yes 31.88**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

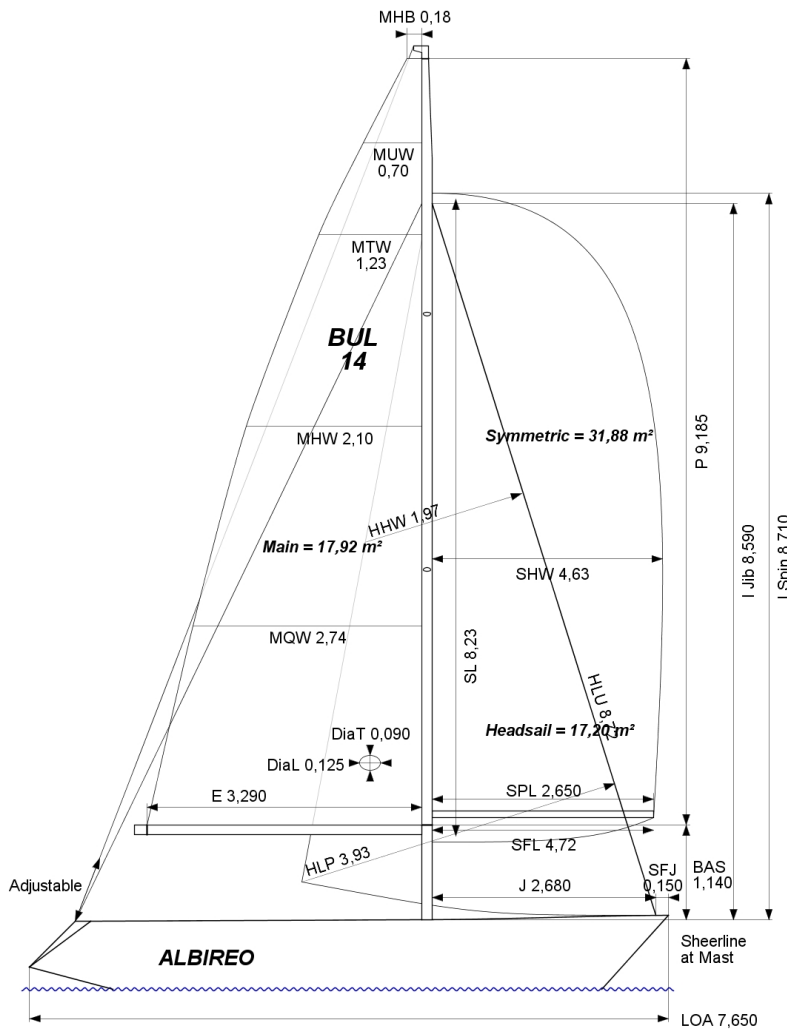
Class Division Length

CDL = 6.305

Stability (Estimated)

Limit Positive Stab.: **115.2°**
Stability Index: **107.5**

Owner



BOAT	GPH	HULL
Name Albireo Sail Nr BUL-14	727.6	Data File BUL14 LOA 7.650m Offset File C760.off MB 2.756m Displacement 1,526kg Draft 1.518m
CLASS Class Conrad 25R Designer Peterson Builder Gdansk, Poland Series 01/1976 Age Date 06/1985 Age Allowance 0.487%		IMS Division Performance Dynamic All. 0.040% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS		IMSL 6.163m VCGD -0.038m Sink 8.07kg/mm RL 6.445m VCGM -0.035m WS 11.05m² LSM0 6.165m Displacement/Length ratio 6.5126
PROPELLER Type No Propeller		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	708.1	783.2
Time on Time	0.8474	0.8618
Triple Number	Low Medium High	Low Medium High
Time on Distance	818.1 649.2 587.1	1044.1 783.5 699.3
Time on Time	0.8251 1.0398 1.1497	0.6465 0.8615 0.9652

2020

ORC Club Certificate Appendix

BOAT	
Name Albireo	Certificate Number 012/20
Sail Nr BUL-14	Issued On 19/06/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1153.6	972.2	870.2	831.8	821.3	819.4	831.4
52°	767.7	660.2	622.3	603.7	595.4	591.5	592.9
60°	730.0	641.2	609.8	589.7	576.7	570.7	568.5
75°	706.2	630.4	598.9	574.7	554.4	541.1	531.7
90°	715.2	630.1	590.1	560.3	540.1	526.0	501.4
110°	738.3	630.7	588.0	552.4	522.4	498.3	468.9
120°	766.1	643.8	597.0	562.5	530.7	502.8	454.7
135°	849.6	696.5	623.5	586.7	553.5	523.7	469.6
150°	986.8	790.2	673.1	616.8	583.3	552.2	498.9
Run VMG	1139.4	911.1	770.6	676.2	620.8	587.5	530.1
Selected Courses							
Windward / Leeward	1146.5	941.6	820.4	754.0	721.0	703.4	680.8
Circular Random	985.8	803.3	706.9	651.9	618.6	597.1	570.2
Coastal / Long Distance	1145.8	888.6	748.8	672.3	631.7	599.0	542.1
Non Spinnaker	1023.1	829.8	727.0	667.9	632.0	608.9	580.5

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	41.3°	41.3°	38.6°	37.5°	37.1°	37.1°	38.3°
Beat VMG	3.12	3.70	4.14	4.33	4.38	4.39	4.33
52°	4.69	5.45	5.78	5.96	6.05	6.09	6.07
60°	4.93	5.61	5.90	6.11	6.24	6.31	6.33
75°	5.10	5.71	6.01	6.26	6.49	6.65	6.77
90°	5.03	5.71	6.10	6.43	6.67	6.84	7.18
110°	4.88	5.71	6.12	6.52	6.89	7.22	7.68
120°	4.70	5.59	6.03	6.40	6.78	7.16	7.92
135°	4.24	5.17	5.77	6.14	6.50	6.87	7.67
150°	3.65	4.56	5.35	5.84	6.17	6.52	7.22
Run VMG	3.16	3.95	4.67	5.32	5.80	6.13	6.79
Gybe Angles	149.0°	153.0°	156.0°	180.0°	180.0°	180.0°	180.0°