



ORC

Offshore Racing Congress
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**2020
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **040/20**
Issued On **29/06/2020**
ORC Ref **03850000LL2**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 341kg
Maximum **450kg**
Minimum* **338kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	748.1	0.8020
Non Spin OSN	724.6	0.8280

Sails Limitations

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

Spinnaker configuration

Symmetric: **Yes 32.67**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

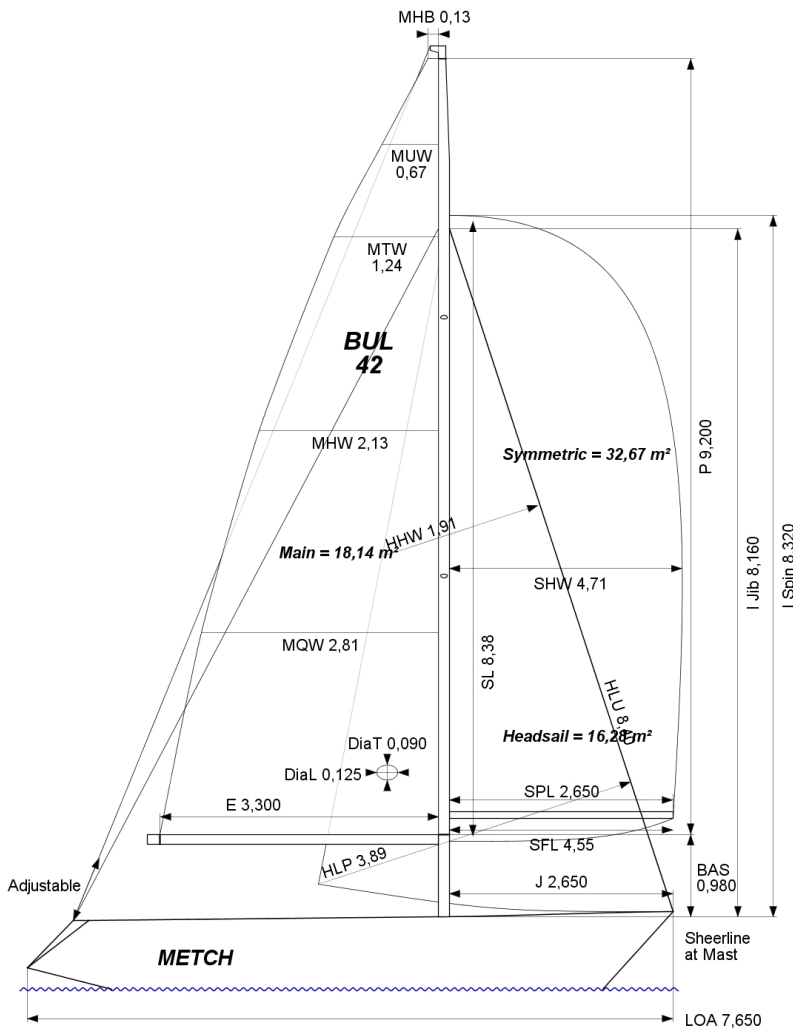
Class Division Length

CDL = 6.325

Stability (Estimated)

Limit Positive Stab.: **112.9°**
Stability Index: **105.0**

Owner



BOAT	GPH	HULL
Name Metch Sail Nr BUL-42	725.2	Data File BUL42 LOA 7.650m Offset File C760.off MB 2.756m Displacement 1,417kg Draft 1.503m
CLASS Class Conrad 25R Designer Peterson Builder Gdansk, Poland Series 01/1976 Age Date 06/1984 Age Allowance 0.487%		IMS Division Performance Dynamic All. 0.005% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS		IMSL 6.136m VCGD 0.000m Sink 7.88kg/mm RL 6.523m VCGM 0.018m WS 10.78m² LSM0 6.112m Displacement/Length ratio 6.2061
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	705.0	780.3
Time on Time	0.8511	0.8650
Triple Number	Low Medium High	Low Medium High
Time on Distance	818.7 646.4 581.4	1047.0 781.4 694.6
Time on Time	0.8245 1.0443 1.1610	0.6447 0.8638 0.9718

2020

ORC Club Certificate Appendix

BOAT		Certificate Number	040/20
Name	Metch	Issued On	29/06/2020
Sail Nr	BUL-42		

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1160.7	976.8	872.9	826.8	815.3	812.6	825.9
52°	771.2	660.6	621.5	601.6	591.5	586.8	587.3
60°	732.9	641.5	608.5	587.3	572.2	565.3	562.3
75°	708.5	631.4	597.5	571.7	550.4	536.0	525.7
90°	717.3	627.7	586.3	554.9	534.5	521.5	494.4
110°	732.8	628.2	585.1	547.4	516.5	490.8	458.2
120°	760.4	640.9	594.4	557.9	525.0	495.0	440.2
135°	844.3	693.5	620.1	582.9	548.4	518.1	459.4
150°	987.4	789.1	670.7	613.9	579.7	547.6	492.5
Run VMG	1140.1	910.2	768.9	673.1	618.3	584.5	525.8
Selected Courses							
Windward / Leeward	1150.4	943.5	820.9	749.9	716.8	698.6	675.8
Circular Random	985.7	802.0	704.5	648.4	614.1	591.7	563.2
Coastal / Long Distance	1149.4	889.8	748.3	668.4	626.9	593.4	533.9
Non Spinnaker	1025.0	830.2	726.2	665.9	629.0	605.1	575.2

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°	40.9°	39.0°	37.1°	36.8°	36.8°	37.9°
Beat VMG	3.10	3.69	4.12	4.35	4.42	4.43	4.36
52°	4.67	5.45	5.79	5.98	6.09	6.13	6.13
60°	4.91	5.61	5.92	6.13	6.29	6.37	6.40
75°	5.08	5.70	6.03	6.30	6.54	6.72	6.85
90°	5.02	5.73	6.14	6.49	6.73	6.90	7.28
110°	4.91	5.73	6.15	6.58	6.97	7.34	7.86
120°	4.73	5.62	6.06	6.45	6.86	7.27	8.18
135°	4.26	5.19	5.81	6.18	6.56	6.95	7.84
150°	3.65	4.56	5.37	5.86	6.21	6.57	7.31
Run VMG	3.16	3.96	4.68	5.35	5.82	6.16	6.85
Gybe Angles	149.0°	153.0°	155.5°	180.0°	180.0°	180.0°	180.0°