



ORC
Offshore Racing Congress
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**2020
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **057/20**
Issued On **05/08/2020**
ORC Ref **038500000A**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 356kg
Maximum **356kg**
Minimum* **267kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	776.7	0.7725
Non Spin OSN	751.1	0.7989

Sails Limitations

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

Spinnaker configuration
Symmetric: **Yes** 31.74
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

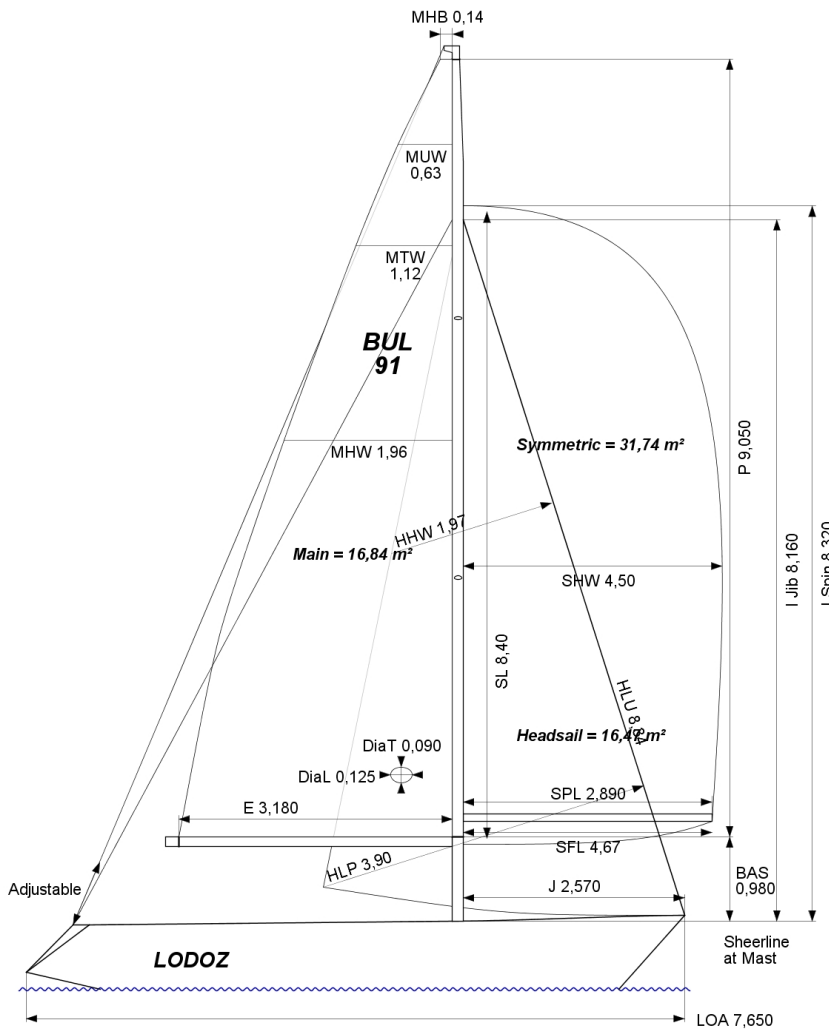
Class Division Length

CDL = 6.193

Stability (Estimated)

Limit Positive Stab.: **108.9°**
Stability Index: **102.5**

Owner



BOAT	GPH	HULL
Name Lodoz Sail Nr BUL-91	752.8	Data File BUL91 LOA 7.650m Offset File C760.off MB 2.756m Displacement 1,941kg Draft 1.567m
CLASS Class Conrad 25RT Designer Peterson Builder Gdansk, Poland Series 01/1976 Age Date 06/1985 Age Allowance 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.339% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS		IMSL 6.345m VCGD 0.093m Sink 8.85kg/mm RL 6.040m VCGM 0.047m WS 12.11m² LSM0 6.294m Displacement/Length ratio 7.7848
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	730.8	807.9
Time on Time	0.8210	0.8355
Triple Number	Low Medium High	Low Medium High
Time on Distance	856.4 668.8 600.0	1096.8 811.5 711.0
Time on Time	0.7882 1.0093 1.1250	0.6154 0.8318 0.9494

2020

ORC Club Certificate Appendix

BOAT	
Name Lodoz	Certificate Number 057/20
Sail Nr BUL-91	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	1229.1	1038.8	922.8	859.2	837.4	829.4	837.6
52°	815.1	693.2	640.3	615.9	602.9	597.3	595.5
60°	775.5	665.3	624.5	602.8	588.0	579.3	574.6
75°	748.8	649.0	612.2	590.2	571.6	556.2	540.4
90°	758.6	644.2	600.1	573.0	551.9	540.5	517.1
110°	765.5	643.6	598.1	567.8	539.6	515.9	485.4
120°	792.6	659.1	606.4	576.5	548.5	522.1	480.0
135°	879.1	722.4	634.6	597.0	568.7	541.3	493.5
150°	1021.9	816.7	693.2	626.9	594.0	567.5	518.1
Run VMG	1180.0	939.8	796.2	694.3	631.7	598.2	547.2
Selected Courses							
Windward / Leeward	1204.6	989.3	859.5	776.8	734.6	713.8	692.4
Circular Random	1029.4	834.8	730.9	670.9	634.4	611.1	583.0
Coastal / Long Distance	1202.1	930.7	779.4	690.2	645.3	612.2	557.4
Non Spinnaker	1071.7	864.8	753.4	688.6	649.0	623.7	594.2

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°	41.3°	40.5°	38.3°	37.9°	37.7°	38.8°
Beat VMG	2.93	3.47	3.90	4.19	4.30	4.34	4.30
52°	4.42	5.19	5.62	5.85	5.97	6.03	6.04
60°	4.64	5.41	5.76	5.97	6.12	6.21	6.26
75°	4.81	5.55	5.88	6.10	6.30	6.47	6.66
90°	4.75	5.59	6.00	6.28	6.52	6.66	6.96
110°	4.70	5.59	6.02	6.34	6.67	6.98	7.42
120°	4.54	5.46	5.94	6.24	6.56	6.90	7.50
135°	4.09	4.98	5.67	6.03	6.33	6.65	7.29
150°	3.52	4.41	5.19	5.74	6.06	6.34	6.95
Run VMG	3.05	3.83	4.52	5.18	5.70	6.02	6.58
Gybe Angles	149.0°	154.0°	156.0°	174.0°	180.0°	180.0°	180.0°