



ORC

Offshore Racing Congress
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**2020
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **027/20**
Issued On **20/05/2020**
ORC Ref **03850000IJD**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 355kg
Maximum **410kg**
Minimum* **308kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	766.5	0.7828
Non Spin OSN	741.4	0.8093

Sails Limitations

Headsails **5** Spinnakers **4**
Woven Polyester

Spinnaker configuration
Symmetric: **Yes** **34.14**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

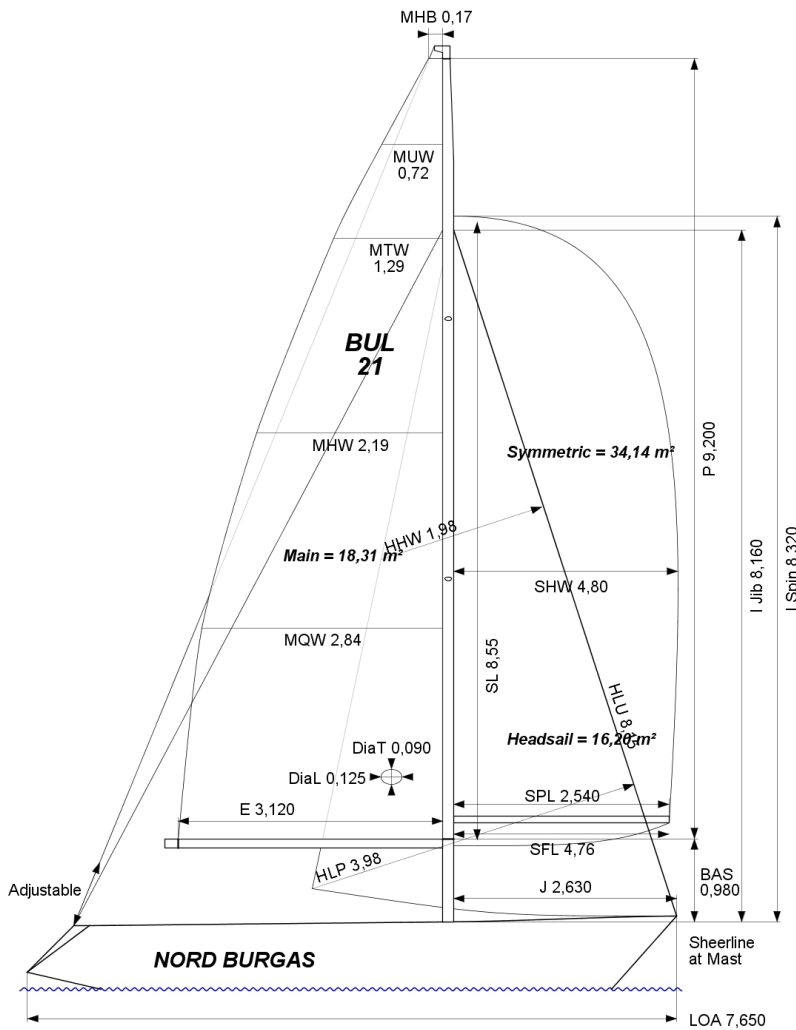
Class Division Length

CDL = 6.283

Stability (Estimated)

Limit Positive Stab.: **109.7°**
Stability Index: **103.0**

Owner



BOAT	GPH	HULL
Name Nord Burgas Sail Nr BUL-21	743.3	Data File BUL21 LOA 7.650m Offset File C760.off MB 2.756m Displacement 1,911kg Draft 1.563m
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. 0.182% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS		IMSL 6.335m VCGD 0.078m Sink 8.80kg/mm RL 6.229m VCGM 0.035m WS 12.04m² LSM0 6.286m Displacement/Length ratio 7.6937
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	721.7	797.0
Time on Time	0.8314	0.8469
Triple Number	Low Medium High	Low Medium High
Time on Distance	843.9 660.9 593.2	1081.7 800.0 702.5
Time on Time	0.7999 1.0213 1.1379	0.6240 0.8437 0.9609

2020

ORC Club Certificate Appendix

BOAT	
Name	Nord Burgas
Certificate Number	027/20
Sail Nr	BUL-21
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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1208.9	1022.0	907.8	846.1	825.6	818.4	827.3
52°	802.5	682.0	633.4	610.5	597.7	592.3	590.5
60°	763.4	656.5	618.9	597.9	582.9	574.1	569.2
75°	736.8	642.8	607.6	585.5	566.3	550.6	535.0
90°	745.2	635.8	594.8	567.7	547.1	536.4	510.9
110°	750.8	636.2	593.5	562.5	534.0	510.1	480.6
120°	778.2	650.6	601.8	570.7	541.1	514.4	472.2
135°	865.4	710.9	626.6	591.1	562.1	534.3	486.1
150°	1009.9	807.4	686.4	620.2	588.5	561.3	511.3
Run VMG	1166.1	930.0	786.1	684.0	625.2	592.8	541.0
Selected Courses							
Windward / Leeward	1187.5	976.0	847.0	765.0	725.4	705.6	684.1
Circular Random	1014.8	823.7	721.8	662.9	627.1	604.1	576.2
Coastal / Long Distance	1185.4	918.3	769.2	681.5	637.9	605.3	550.5
Non Spinnaker	1055.1	852.4	743.7	680.5	641.8	617.0	587.7

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°	40.1°	37.9°	37.5°	37.1°	38.3°
Beat VMG	2.98	3.52	3.97	4.25	4.36	4.40	4.35
52°	4.49	5.28	5.68	5.90	6.02	6.08	6.10
60°	4.72	5.48	5.82	6.02	6.18	6.27	6.32
75°	4.89	5.60	5.92	6.15	6.36	6.54	6.73
90°	4.83	5.66	6.05	6.34	6.58	6.71	7.05
110°	4.79	5.66	6.07	6.40	6.74	7.06	7.49
120°	4.63	5.53	5.98	6.31	6.65	7.00	7.62
135°	4.16	5.06	5.75	6.09	6.40	6.74	7.41
150°	3.56	4.46	5.25	5.80	6.12	6.41	7.04
Run VMG	3.09	3.87	4.58	5.26	5.76	6.07	6.65
Gybe Angles	149.0°	154.0°	154.5°	174.0°	180.0°	180.0°	180.0°