



2020
ORC Club
Certificate

Rating Office

Offshore
Racing
Congress



Certificate

Number **1007_5**
Issued On **23/07/2020**
ORC Ref **0360000N23**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 464kg
Maximum **464kg**
Minimum* **348kg**
**when applied by the NoR and SI*
Non Manual Pwr

Special Scoring

	ToD	ToT
Non Spin GPH	760.0	0.7895
Non Spin OSN	736.8	0.8144

Sails Limitations

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

Spinnaker configuration

Symmetric: **Yes** **64.39**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

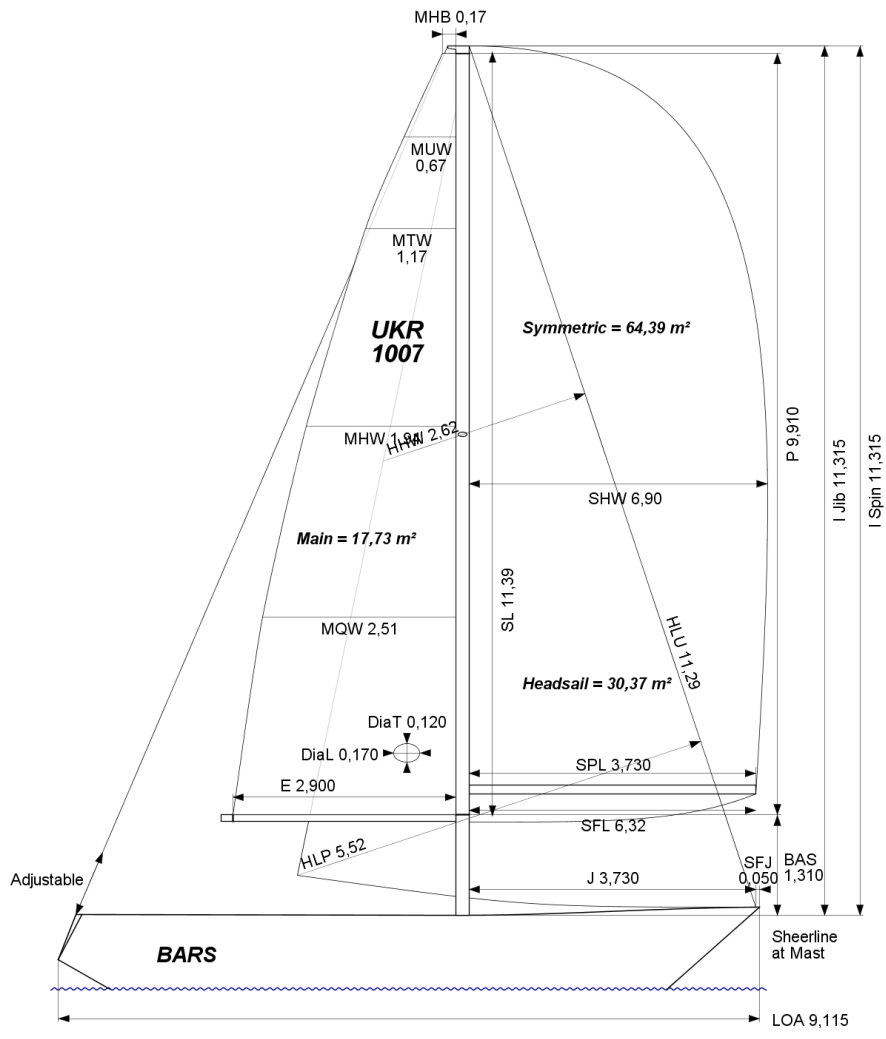
Class Division Length

CDL = 6.692

Stability (Estimated)

Limit Positive Stab.: **114.7°**
Stability Index: **113.7**

Owner



BOAT
Name Bars
Sail Nr UKR 1007

GPH
728.3

HULL
Data File UKR1007_Bars LOA 9.115m
Offset File CARTER30.OFF MB 3.092m
Displacement 3,644kg Draft 1.556m

CLASS
Class Carter 30
Designer D. Carter
Builder Verf im L.Teligi
Series 01/1983
Age Date 05/1984
Age Allowance 0.487%

IMS Division Cruiser/Racer Dynamic All. 0.409%
Plan Review Construction Solid
Fiber Rigging No Aramid Core No
Crew Arm Ex Carbon Rudder No
Light Stanchions No

IMSL 7.323m VCGD 0.043m Sink 12.26kg/mm
RL 6.061m VCGM 0.051m WS 17.19m²
LSM0 7.585m Displacement/Length ratio 8.3505

COMMENTS

Water Ballast 0 Trim Tab No
BLR Index 0.0000

PROPELLER
Type No Propeller

CENTERBOARD
NA

SCORING OPTIONS	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
	Time on Distance	708.5			787.8	
Time on Time	0.8469			0.8568		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	828.8	646.8	582.3	1063.0	792.2	693.7
Time on Time	0.8144	1.0436	1.1591	0.6350	0.8521	0.9730

2020

ORC Club Certificate Appendix

BOAT		Certificate Number	1007_5
Name	Bars	Issued On	23/07/2020
Sail Nr	UKR 1007		

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1227.2	1041.6	928.0	857.7	832.1	823.0	832.7
52°	806.2	687.7	622.5	594.0	581.0	576.0	575.3
60°	763.1	651.4	602.2	579.7	566.3	559.5	556.7
75°	732.6	628.0	587.7	566.9	551.4	538.7	525.8
90°	739.4	629.5	578.3	555.8	545.4	529.9	504.4
110°	734.4	612.5	567.6	541.1	517.8	499.7	482.9
120°	753.3	623.2	572.0	543.9	518.4	495.8	465.9
135°	817.2	675.1	593.1	559.9	534.4	509.4	468.4
150°	950.9	767.0	651.8	588.5	559.2	535.7	491.5
Run VMG	1098.0	884.9	750.7	660.6	600.1	567.5	522.0
Selected Courses							
Windward / Leeward	1162.6	963.3	839.3	759.2	716.1	695.2	677.4
Circular Random	995.0	807.3	707.0	649.2	614.5	592.9	568.7
Coastal / Long Distance	1156.2	904.2	757.2	668.8	624.9	592.3	541.2
Non Spinnaker	1050.9	847.2	737.1	672.9	633.8	609.2	581.5

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	42.8°	41.6°	42.4°	40.9°	40.1°	39.8°	40.5°
Beat VMG	2.93	3.46	3.88	4.20	4.33	4.37	4.32
52°	4.47	5.23	5.78	6.06	6.20	6.25	6.26
60°	4.72	5.53	5.98	6.21	6.36	6.43	6.47
75°	4.91	5.73	6.13	6.35	6.53	6.68	6.85
90°	4.87	5.72	6.23	6.48	6.60	6.79	7.14
110°	4.90	5.88	6.34	6.65	6.95	7.20	7.46
120°	4.78	5.78	6.29	6.62	6.94	7.26	7.73
135°	4.41	5.33	6.07	6.43	6.74	7.07	7.69
150°	3.79	4.69	5.52	6.12	6.44	6.72	7.32
Run VMG	3.28	4.07	4.80	5.45	6.00	6.34	6.90
Gybe Angles	148.0°	152.0°	151.5°	163.0°	180.0°	180.0°	180.0°