



ORC

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**2020
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **CP5/20**
Issued On **28/08/2020**
ORC Ref **03090000P8S**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 387kg
Maximum **400kg**
Minimum* **300kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	701.1	0.8558
Non Spin OSN	680.4	0.8819

Sails Limitations

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

Spinnaker configuration

Symmetric: **Yes** **40.63**
Asymmetric: **No**
Flying H/S: **No**
Spin. Pole: **Yes**

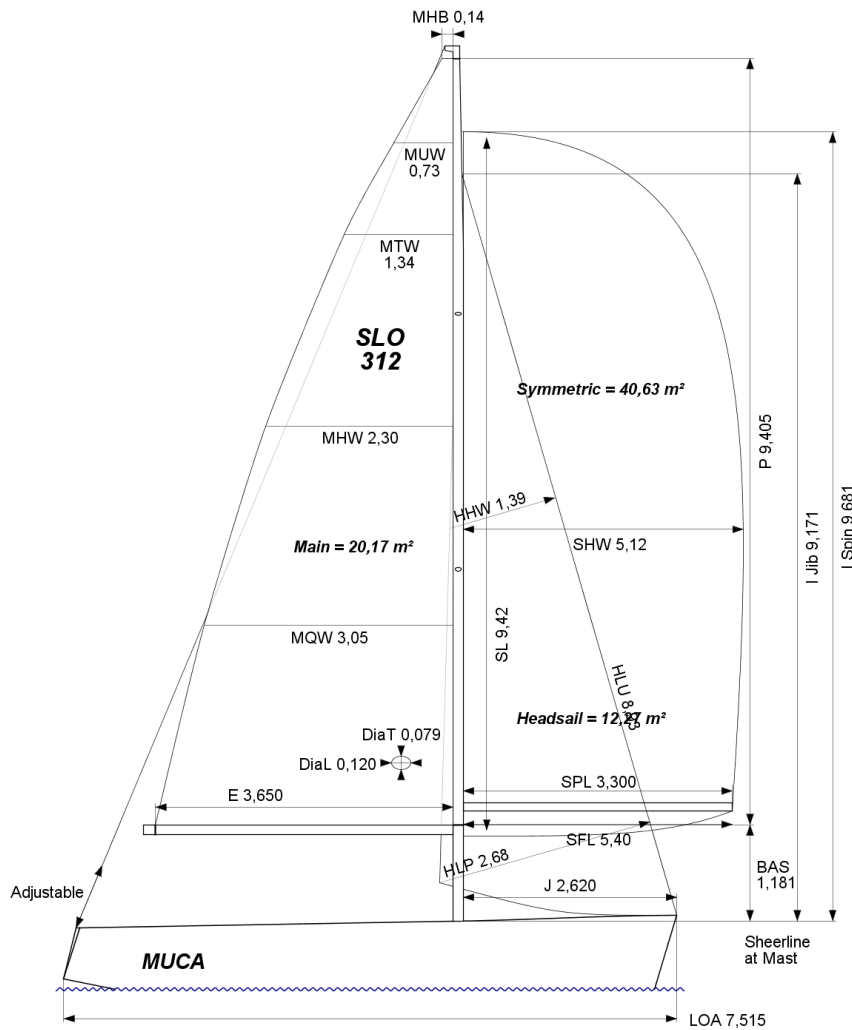
Class Division Length

CDL = 7.165

Stability (Measured)

Limit Positive Stab.: **118.6°**
Stability Index: **110.7**

Owner



BOAT	GPH	HULL
Name Muca Sail Nr SLO 312	663.8	Data File SLO312 LOA 7.515m Offset File platu25.OD.off MB 2.574m Displacement 1,232kg Draft 1.590m
CLASS Class PLATU 25 OD Designer Bruce Farr Builder Beneteau Series 01/1995, CIN FR-BEY28069E000 Age Date 01/2000 Age Allowance 0.487%	IMS Division Sportboat Dynamic All. 0.000% Plan Review Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex 0.50 Carbon Rudder No Light Stanchions No	IMSLS 7.004m VCGD 0.042m Sink 7.63kg/mm RL 7.346m VCGM -0.054m WS 10.45m² LSM0 6.673m Displacement/Length ratio 4.1462
COMMENTS Based on OD with sail measurements	Water Ballast 0 Trim Tab No BLR Index 0.0000	
PROPELLER Type No Propeller	CENTERBOARD N/A	
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	645.3	722.4
Time on Time	0.9297	0.9343
Triple Number	Low Medium High	Low Medium High
Time on Distance	745.8 594.2 525.0	954.6 722.7 643.3
Time on Time	0.9051 1.1360 1.2858	0.7071 0.9340 1.0492

2020

ORC Club Certificate Appendix

BOAT							
Name	Muca	Certificate Number			CP5/20		
Sail Nr	SLO 312	Issued On			28/08/2020		

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1088.7	903.1	809.7	779.1	771.4	770.6	766.5
52°	716.5	613.6	581.8	565.4	558.9	555.9	547.1
60°	679.0	597.4	568.7	548.1	537.1	531.6	521.3
75°	654.8	588.2	555.0	526.7	503.7	491.3	482.4
90°	652.2	576.3	541.8	519.6	490.2	462.5	433.8
110°	649.9	571.7	524.5	482.7	453.7	432.6	397.3
120°	668.7	580.6	534.3	486.5	442.3	407.2	365.5
135°	740.5	612.9	564.8	522.3	478.9	434.6	333.2
150°	880.7	701.4	605.2	561.7	522.3	482.8	394.3
Run VMG	1016.9	810.0	691.6	619.7	572.1	535.5	462.8
Selected Courses							
Windward / Leeward	1052.8	856.5	750.7	699.4	671.8	653.0	614.6
Circular Random	900.1	733.8	645.5	593.8	560.1	535.4	497.0
Coastal / Long Distance	1049.2	808.0	685.1	618.1	575.4	537.2	470.8
Non Spinnaker	966.5	780.2	680.4	622.0	585.0	559.1	520.9

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	42.0°	41.3°	38.3°	36.8°	36.4°	36.8°	37.1°
Beat VMG	3.31	3.99	4.45	4.62	4.67	4.67	4.70
52°	5.02	5.87	6.19	6.37	6.44	6.48	6.58
60°	5.30	6.03	6.33	6.57	6.70	6.77	6.91
75°	5.50	6.12	6.49	6.83	7.15	7.33	7.46
90°	5.52	6.25	6.64	6.93	7.34	7.78	8.30
110°	5.54	6.30	6.86	7.46	7.93	8.32	9.06
120°	5.38	6.20	6.74	7.40	8.14	8.84	9.85
135°	4.86	5.87	6.37	6.89	7.52	8.28	10.80
150°	4.09	5.13	5.95	6.41	6.89	7.46	9.13
Run VMG	3.54	4.44	5.21	5.81	6.29	6.72	7.78
Gybe Angles	145.0°	149.0°	155.5°	174.0°	180.0°	180.0°	180.0°