

**2020
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **CP4/20**
Issued On **28/08/2020**
ORC Ref **03090000P8Q**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 624kg
Maximum **624kg**
Minimum* **468kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	632.1	0.9492
Non Spin OSN	615.9	0.9742

Sails Limitations

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

Asymmetric on centerline

Spinnaker configuration
Symmetric: **Yes** 127.83
Asymmetric: **Yes** 112.41
Flying H/S: **No**
Spin. Pole: **Yes**

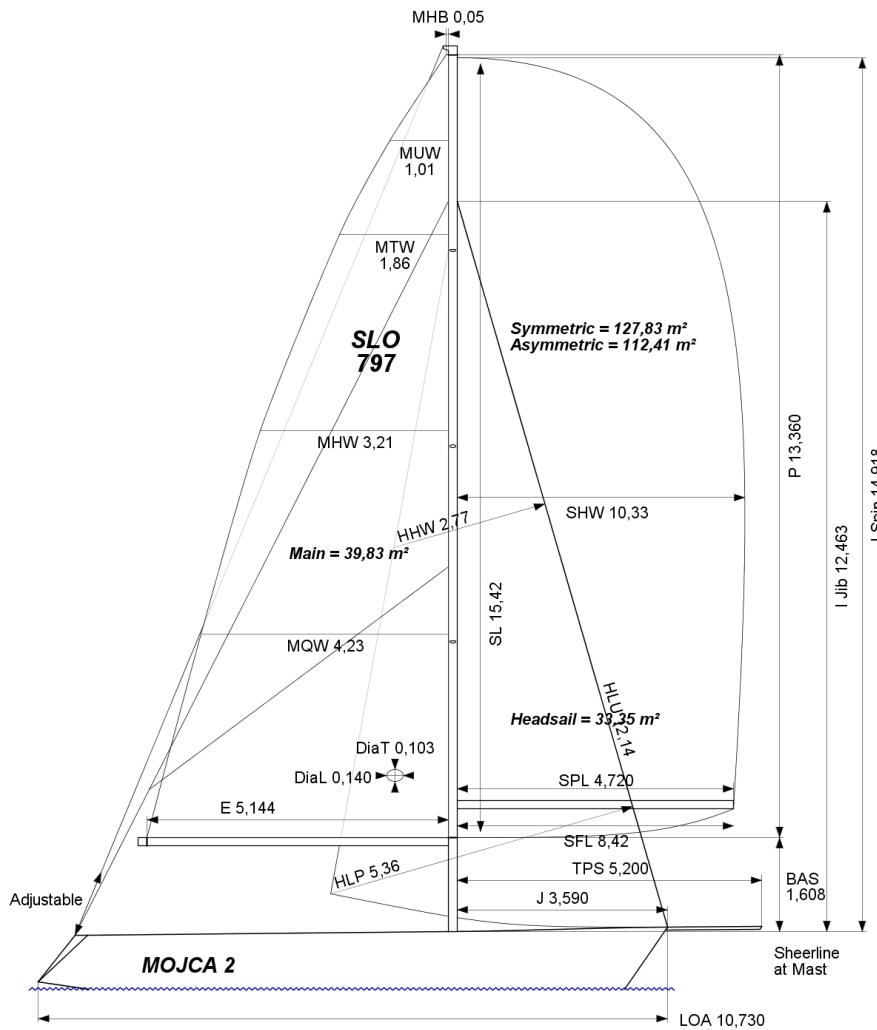
Class Division Length

CDL = 9.306

Stability (Estimated)

Limit Positive Stab.: **121.8°**
Stability Index: **122.5**

Owner



BOAT		GPH	HULL			
Name Mojca 2 Sail Nr SLO 797		593.2	Data File SLO797	LOA 10.730m		
			Offset File IVAL35.OFF	MB 3.196m		
			Displacement 4,310kg	Draft 2.023m		
CLASS			IMS Division Cruiser/Racer	Dynamic All. 0.000%		
Class Val 35			Plan Review	Construction Cored		
Designer Jakopin			Fiber Rigging No	Aramid Core No		
Builder Val Plastika			Crew Arm Ex	Carbon Rudder No		
Series 12/1982				Light Stanchions No		
Age Date 01/1985			IMSL 9.472m	VCGD -0.167m	Sink 16.39kg/mm	
Age Allowance 0.487%			RL 9.139m	VCGM -0.136m	WS 22.18m²	
COMMENTS			LSM0 9.331m	Displacement/Length ratio 5.3051		
FFM 80 mm less than measured 20mm off to FFM and FAM			Water Ballast 0	Trim Tab No		
			BLR Index 0.0000			
PROPELLER			CENTERBOARD			
Installation Shaft exposed	PRD					
Type Folding 2 blades	PIPA 0.0000	N/A				
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	578.4			643.5		
Time on Time	1.0373			1.0489		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	663.5	530.8	476.8	849.8	644.9	570.9
Time on Time	1.0173	1.2717	1.4158	0.7943	1.0467	1.1823

2020

ORC Club Certificate Appendix

BOAT		Certificate Number	CP4/20
Name	Mojca 2	Issued On	28/08/2020
Sail Nr	SLO 797		

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	972.6	807.9	727.6	698.5	685.4	678.5	672.0
52°	641.1	546.5	512.1	499.6	493.7	490.4	486.9
60°	607.4	529.3	501.0	487.1	480.2	475.9	472.7
75°	582.3	518.0	491.8	473.6	459.3	450.9	442.6
90°	588.6	513.2	490.5	469.8	449.7	432.8	412.5
110°	584.9	504.8	473.1	449.3	434.1	420.3	394.4
120°	595.0	508.0	473.1	443.4	418.5	400.9	372.0
135°	658.5	534.8	488.7	456.8	424.6	393.9	339.9
150°	774.4	627.3	533.6	488.4	459.2	429.5	370.6
Run VMG	894.2	724.4	615.7	550.2	506.8	477.2	422.5
Selected Courses							
Windward / Leeward	933.4	766.2	671.6	624.4	596.1	577.8	547.3
Circular Random	801.9	654.2	576.7	532.2	504.5	485.3	457.6
Coastal / Long Distance	929.5	721.8	611.5	551.9	517.1	488.1	440.2
Non Spinnaker	871.2	703.3	613.3	561.0	528.4	506.4	477.4

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°	40.9°	39.2°	37.9°	37.5°	37.5°	37.5°
Beat VMG	3.70	4.46	4.95	5.15	5.25	5.31	5.36
52°	5.62	6.59	7.03	7.21	7.29	7.34	7.39
60°	5.93	6.80	7.19	7.39	7.50	7.56	7.62
75°	6.18	6.95	7.32	7.60	7.84	7.98	8.13
90°	6.12	7.02	7.34	7.66	8.00	8.32	8.73
110°	6.15	7.13	7.61	8.01	8.29	8.56	9.13
120°	6.05	7.09	7.61	8.12	8.60	8.98	9.68
135°	5.47	6.73	7.37	7.88	8.48	9.14	10.59
150°	4.65	5.74	6.75	7.37	7.84	8.38	9.71
Run VMG	4.03	4.97	5.85	6.54	7.10	7.54	8.52
Gybe Angles	142.5°	148.0°	150.5°	159.0°	180.0°	180.0°	180.0°