



2020
ORC Club
Certificate

Rating Office

Offshore
Racing
Congress



Certificate

Number **C04/20**
 Issued On **04/06/2020**
 ORC Ref **03090000JS1**
 VPP Ver. **2020 1.02**
 Valid until **31/12/2020**

Crew Weight

Default 643kg
 Maximum **643kg**
 Minimum* **482kg**
*when applied by the NoR and SI
 Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	639.9	0.9376
Non Spin OSN	620.8	0.9666

Sails Limitations

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

Asymmetric on centerline

Spinnaker configuration
 Symmetric: **No**
 Asymmetric: **Yes 125.17**
 Flying H/S: **No**
 Spin. Pole: **No**

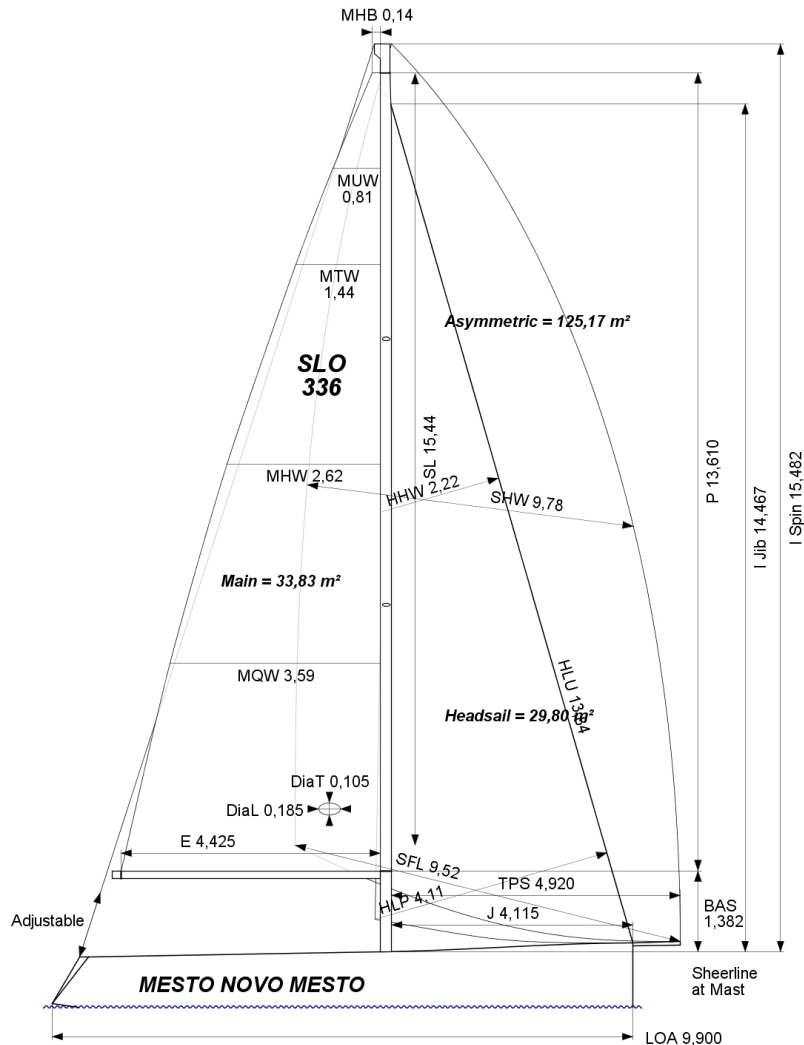
Class Division Length

CDL = 9.552

Stability (Estimated)

Limit Positive Stab.: **108.3°**
 Stability Index: **104.4**

Owner



BOAT	GPH	HULL
Name Mesto Novo mesto Sail Nr SLO 336	593.8	Data File SLO336 LOA 9.900m Offset File FIUMA33N.off MB 3.370m Displacement 3,624kg Draft 2.241m
CLASS Class Fiumanka 33 Designer Justin Builder Owner Series 01/2000 Age Date 04/2008 Age Allowance 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.102% Plan Review Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS		IMSL 9.652m VCGD 0.127m Sink 17.51kg/mm RL 9.450m VCGM 0.062m WS 21.54m² LSMO 9.538m Displacement/Length ratio 4.1765
PROPELLER Installation Strut PRD 0.380 Type Folding 2 blades PBW 0.112 PIPA 0.0035		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	578.0	650.4
Time on Time	1.0380	1.0379
Triple Number	Low Medium High	Low Medium High
Time on Distance	673.1 528.5 470.4	869.4 649.4 572.5
Time on Time	1.0028 1.2771 1.4349	0.7764 1.0394 1.1791

2020

ORC Club Certificate Appendix

BOAT			
Name	Mesto Novo mesto	Certificate Number	C04/20
Sail Nr	SLO 336	Issued On	04/06/2020

TIME ALLOWANCES								
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	
Beat VMG	1002.1	824.6	724.3	686.9	674.1	669.0	654.5	
52°	657.7	555.4	510.3	493.9	487.8	484.8	475.6	
60°	622.8	534.9	499.3	481.5	473.3	469.0	459.8	
75°	598.6	521.3	490.8	468.3	450.1	440.4	433.1	
90°	588.6	505.9	486.4	467.3	443.0	421.6	398.2	
110°	576.0	496.5	461.8	439.8	423.6	407.3	376.7	
120°	588.3	502.0	464.1	428.7	404.2	385.6	352.5	
135°	669.4	536.0	485.5	450.4	414.5	377.8	315.8	
150°	793.8	635.8	537.8	490.9	465.1	437.9	364.2	
Run VMG	916.6	734.1	621.0	566.3	537.0	501.8	420.6	
Selected Courses								
Windward / Leeward	959.4	779.4	672.7	626.6	605.6	585.4	537.5	
Circular Random	810.8	657.7	576.7	529.9	500.4	479.0	445.1	
Coastal / Long Distance	955.1	732.4	610.9	547.9	514.4	483.8	426.7	
Non Spinnaker	895.6	717.1	620.1	562.8	526.6	502.1	468.7	

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	42.8°	40.5°	39.0°	37.1°	36.9°	36.8°	36.4°	
Beat VMG	3.59	4.37	4.97	5.24	5.34	5.38	5.50	
52°	5.47	6.48	7.05	7.29	7.38	7.43	7.57	
60°	5.78	6.73	7.21	7.48	7.61	7.68	7.83	
75°	6.01	6.91	7.33	7.69	8.00	8.17	8.31	
90°	6.12	7.12	7.40	7.70	8.13	8.54	9.04	
110°	6.25	7.25	7.80	8.19	8.50	8.84	9.56	
120°	6.12	7.17	7.76	8.40	8.91	9.34	10.21	
135°	5.38	6.72	7.41	7.99	8.68	9.53	11.40	
150°	4.53	5.66	6.69	7.33	7.74	8.22	9.88	
Run VMG	3.93	4.90	5.80	6.36	6.70	7.17	8.56	
Gybe Angles	143.5°	147.0°	148.5°	151.0°	148.0°	176.0°	141.5°	