



ORC

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2020
ORC Club
Certificate

Rating Office

Offshore
Racing
Congress



Certificate

Number **US6536**
Issued On **05/06/2020**
ORC Ref **53410000200**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default 537kg
Maximum **510kg**
Minimum* **383kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	672.8	0.8918
Non Spin OSN	651.2	0.9214

Sails Limitations

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

Asymmetric on centerline

Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 94.00**
Flying H/S: **No**
Spin. Pole: **No**

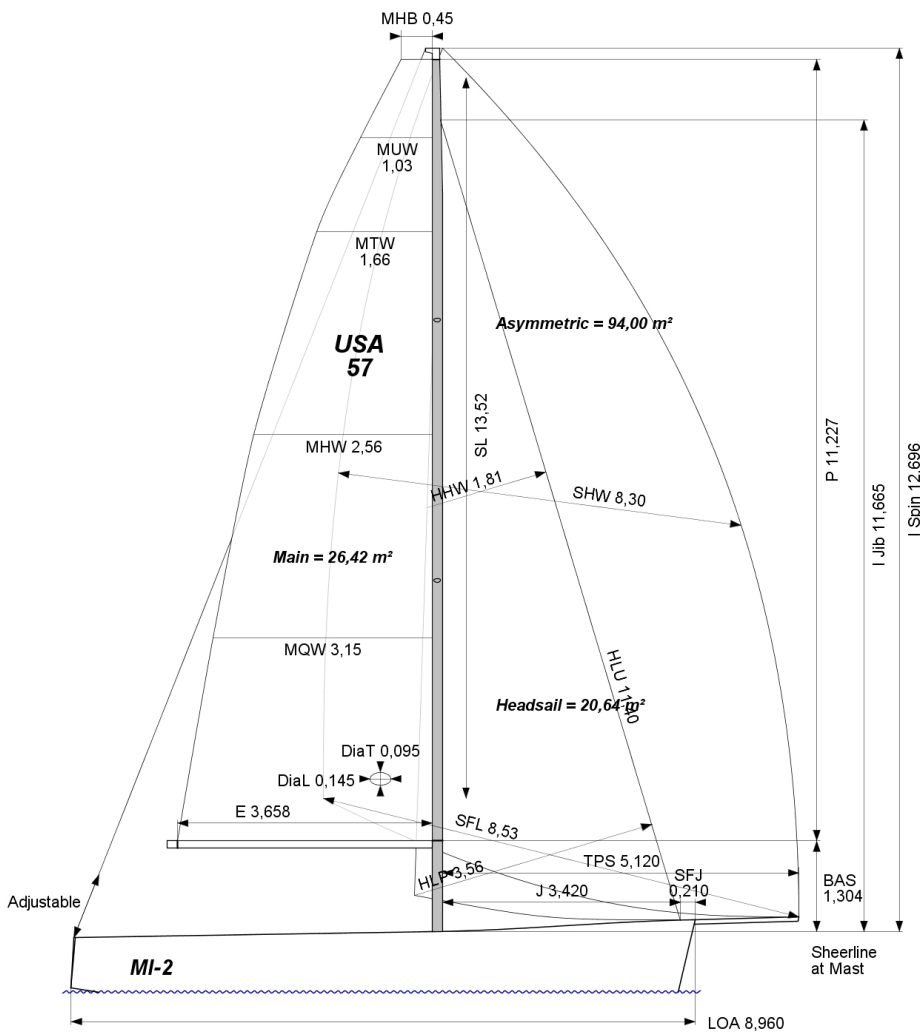
Class Division Length

CDL = 8.463

Stability (Measured)

Limit Positive Stab.: **120.3°**
Stability Index: **116.1**

Owner



BOAT	GPH	HULL
Name MI-2 Sail Nr USA 57	624.8	Data File US6536 LOA 8.960m Offset File J88.off MB 2.854m Displacement 2,390kg Draft 1.961m
CLASS Class J-88 Designer Johnstone Builder J Boats Series 01/2014 Age Date 01/2014 Age Allowance 0.195%		IMS Division Performance Dynamic All. 0.000% Plan Review Construction Cored Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS		IMSL 8.629m VCGD -0.248m Sink 12.53kg/mm RL 8.315m VCGM -0.159m WS 16.34m² LSM0 8.407m Displacement/Length ratio 4.0223
PROPELLER Installation Strut PRD 0.380 Type Folding 2 blades PBW 0.110 PIPA 0.0039		Water Ballast 0 Trim Tab No BLR Index 0.0000
		CENTERBOARD N/A
SCORING OPTIONS		
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	608.2	685.3
Time on Time	0.9865	0.9850
Triple Number	Low Medium High	Low Medium High
Time on Distance	707.0 556.4 495.3	912.4 684.2 603.5
Time on Time	0.9547 1.2132 1.3629	0.7398 0.9865 1.1185

2020

ORC Club Certificate Appendix

BOAT							
Name	MI-2	Certificate Number			US6536		
Sail Nr	USA 57	Issued On			05/06/2020		

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1058.3	869.7	766.1	732.3	722.0	719.3	709.5
52°	694.8	584.0	539.1	523.8	518.1	515.6	507.7
60°	658.5	562.8	527.0	509.8	501.9	497.7	489.2
75°	634.4	549.0	517.2	493.7	475.4	465.4	457.8
90°	615.9	534.0	514.2	490.7	464.4	442.8	418.9
110°	601.8	521.0	484.9	462.2	444.5	426.6	395.0
120°	616.8	526.1	484.8	447.8	422.7	402.8	368.9
135°	700.9	560.5	507.5	467.2	427.0	387.5	325.2
150°	830.3	660.8	559.9	513.7	482.9	446.9	364.3
Run VMG	958.7	763.0	646.5	592.6	557.6	516.1	420.7
Selected Courses							
Windward / Leeward	1008.5	816.3	706.3	662.4	639.8	617.7	565.1
Circular Random	852.6	691.7	606.7	557.8	526.8	504.3	468.7
Coastal / Long Distance	1003.5	767.3	641.7	578.3	542.5	509.0	447.8
Non Spinnaker	942.5	753.8	651.7	591.8	554.5	529.3	494.8

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	42.4°	41.3°	39.4°	37.9°	37.5°	37.5°	37.7°
Beat VMG	3.40	4.14	4.70	4.92	4.99	5.00	5.07
52°	5.18	6.16	6.68	6.87	6.95	6.98	7.09
60°	5.47	6.40	6.83	7.06	7.17	7.23	7.36
75°	5.67	6.56	6.96	7.29	7.57	7.74	7.86
90°	5.85	6.74	7.00	7.34	7.75	8.13	8.59
110°	5.98	6.91	7.42	7.79	8.10	8.44	9.11
120°	5.84	6.84	7.42	8.04	8.52	8.94	9.76
135°	5.14	6.42	7.09	7.70	8.43	9.29	11.07
150°	4.34	5.45	6.43	7.01	7.46	8.05	9.88
Run VMG	3.76	4.72	5.57	6.08	6.46	6.98	8.56
Gybe Angles	144.0°	147.0°	148.8°	151.0°	147.0°	144.5°	141.5°