



ORC
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**2020
ORC Club
Certificate**

Rating Office

**Offshore
Racing
Congress**



Certificate

Number **US6740**
Issued On **04/11/2020**
ORC Ref **03410000SNA**
VPP Ver. **2020 1.02**
Valid until **31/12/2020**

Crew Weight

Default	553kg
Maximum	604kg
Minimum*	453kg
*when applied by the NoR and SI	
Non Manual Pwr	No

Special Scoring

	ToD	ToT
Non Spin GPH	578.9	1.0364
Non Spin OSN	567.8	1.0567

Sails Limitations

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

Asymmetric on centerline

Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes** **120.60**
Flying H/S: **No**
Spin. Pole: **No**

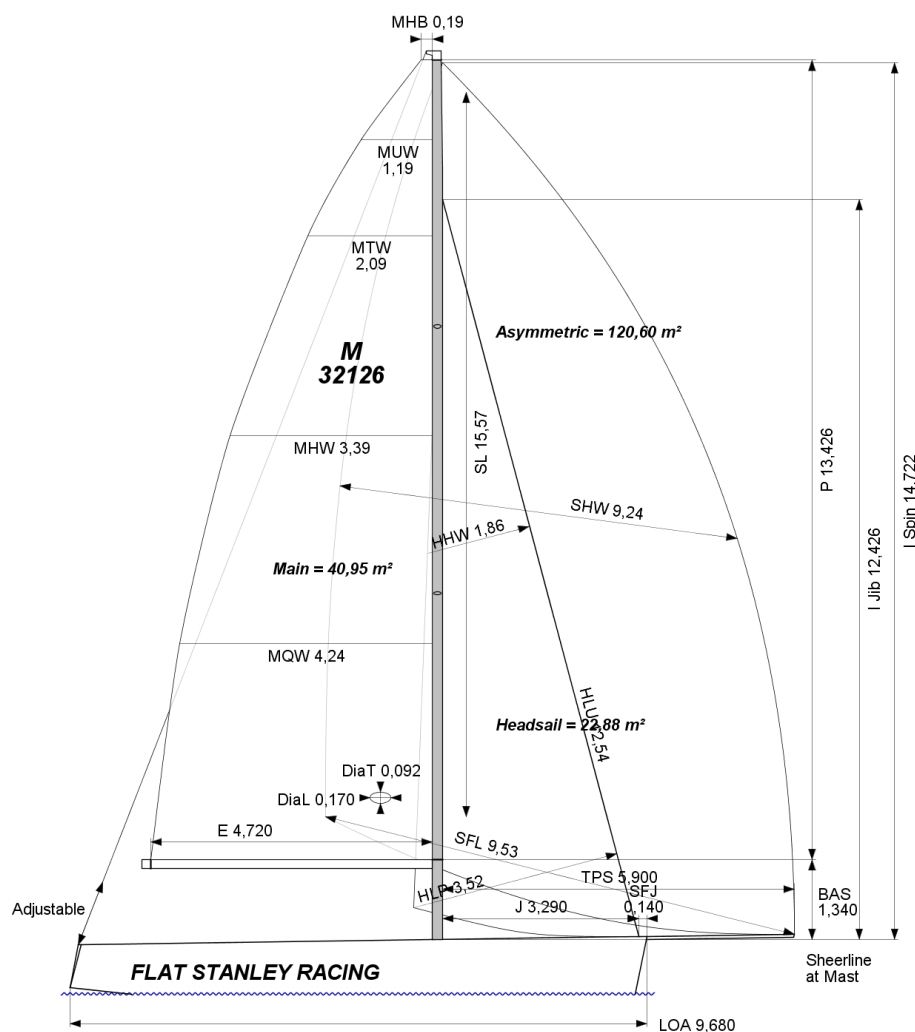
Class Division Length

CDL = 9.314

Stability (Estimated)

Limit Positive Stab.: **127.2°**
Stability Index: **120.5**

Owner



BOAT		GPH		HULL			
Name Flat Stanley Racing		532.8		Data File	US6740	LOA	9.680m
Sail Nr M32-126				Offset File	melg32.OD.off	MB	2.944m
				Displacement	1,712kg	Draft	2.163m
CLASS							
Class		MELGES 32 OD		IMS Division		Performance	
Designer		REICHEL/PUGH		Plan Review		Dynamic All.	
Builder		MELGES		Fiber Rigging		Yes	
Series		03/2005		Crew Arm Ex		Aramid Core	
Age Date						Carbon Rudder	
Age Allowance		0.487%				Light Stanchions	
						No	
				IMSL	9.030m	VCGD	-0.402m
				RL	9.606m	VCGM	-0.408m
				WS		Sink	12.22kg/mm
				LSM0	8.582m	Displacement/Length ratio	2.7086
				Water Ballast	0	Trim Tab	No
				BLR Index	0.0000		
COMMENTS				CENTERBOARD			
PROPELLER							
Type No Propeller							
SCORING OPTIONS							
	COASTAL / LONG DISTANCE				WINDWARD / LEEWARD		
Time on Distance	522.6				591.9		
Time on Time	1.1481				1.1405		
Triple Number	Low	Medium	High	Low	Medium	High	
Time on Distance	590.6	482.0	418.2	757.8	604.5	513.7	
Time on Time	1.1429	1.4003	1.6139	0.8907	1.1166	1.3139	

2020

ORC Club Certificate Appendix

BOAT			
Name	Flat Stanley Racing	Certificate Number	US6740
Sail Nr	M32-126	Issued On	04/11/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	858.5	728.4	694.2	681.3	668.9	663.1	669.1
52°	563.9	508.2	492.9	484.4	476.7	466.3	463.1
60°	538.3	492.0	472.2	460.8	454.5	440.0	433.6
75°	516.3	474.2	440.0	424.2	414.5	407.3	386.5
90°	498.6	455.7	426.5	395.2	379.1	368.5	351.2
110°	503.7	442.8	402.0	371.0	348.0	329.1	301.4
120°	518.2	458.2	400.4	361.3	331.6	308.8	275.7
135°	579.8	490.6	431.2	373.4	333.9	297.7	245.3
150°	692.8	558.0	488.6	438.3	382.6	330.4	247.4
Run VMG	800.0	644.4	569.4	506.1	441.8	381.5	285.7
Selected Courses							
Windward / Leeward	829.3	686.4	631.8	593.7	555.4	522.3	477.4
Circular Random	714.9	587.5	519.5	478.1	449.5	427.5	394.7
Coastal / Long Distance	826.3	647.3	567.7	508.9	464.8	425.4	367.8
Non Spinnaker	790.8	642.8	563.0	514.9	482.9	459.4	425.1

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°	39.0°	37.9°	37.3°	36.8°	36.8°	37.9°
Beat VMG	4.19	4.94	5.19	5.28	5.38	5.43	5.38
52°	6.38	7.08	7.30	7.43	7.55	7.72	7.77
60°	6.69	7.32	7.62	7.81	7.92	8.18	8.30
75°	6.97	7.59	8.18	8.49	8.69	8.84	9.32
90°	7.22	7.90	8.44	9.11	9.50	9.77	10.25
110°	7.15	8.13	8.96	9.70	10.35	10.94	11.95
120°	6.95	7.86	8.99	9.96	10.86	11.66	13.06
135°	6.21	7.34	8.35	9.64	10.78	12.09	14.67
150°	5.20	6.45	7.37	8.21	9.41	10.90	14.55
Run VMG	4.50	5.59	6.32	7.11	8.15	9.44	12.60
Gybe Angles	142.0°	147.5°	153.0°	148.5°	143.0°	142.6°	148.0°