

BOAT	GPH	HULL
Name SETTLER Sail Nr USA 52643	515.7	Length Overall 13.106m Maximum Beam 3.816m Displacement 5,493kg Draft 3.152m IMS Reg. Division Performance Dynamic Allowance 0.000% Fwd Accommodation No Hull Construction Cored Carbon Rudder Yes Crew Arm Extension 0.00
GENERAL		IMSL 11.224m VCGD -0.697m Sink 22.59kg/mm RL 12.625m VCGM -0.688m WS 30.57m² LSM0 10.726m Displacement/Length ratio 4.4514
Class Designer TRIPP Builder NEBW Series 04/1997 Age 04/1997 Age Allowance 0.487% Offset File US6052.OFF - 11/08/2016 10:02:26 Measurement by - 19/05/2002		



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SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time on Distance	501.2			562.8		
Time on Time	1.1971			1.1995		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	582.2	460.3	406.4	748.8	565.2	494.5
Time on Time	1.1594	1.4664	1.6611	0.9015	1.1942	1.3651

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	828.3	675.9	617.0	594.3	582.6	578.5	565.6
52°	545.2	465.5	442.8	432.9	426.7	422.4	412.9
60°	515.9	453.7	430.7	418.7	411.2	406.3	396.7
75°	497.6	446.2	418.2	398.0	387.4	380.5	372.8
90°	504.3	448.1	418.3	391.1	370.5	356.9	342.4
110°	522.3	445.5	408.9	386.4	368.1	352.3	316.1
120°	540.6	451.9	413.1	379.6	355.2	337.5	301.1
135°	603.4	485.2	437.6	402.5	369.0	334.9	273.0
150°	720.5	570.6	485.0	440.5	408.3	378.0	315.3
Run VMG	832.0	658.8	560.0	501.7	463.8	431.3	364.1
Selected Courses							
Windward / Leeward	830.2	667.4	588.5	548.0	523.2	504.9	464.9
Circular Random	703.6	571.3	501.1	460.2	433.7	414.3	384.0
Coastal / Long Distance	830.3	630.1	534.2	478.5	445.3	417.8	367.4
Non Spinnaker	761.7	612.8	532.2	484.5	453.8	432.2	401.1

Certificate

Number **US6052**
ORC Ref **USAX01DQK64**
Issued On **09/07/2018**
VPP Ver. **2018 1.00**
Valid until **31/12/2018**

Crew Weight

Default 761kg
Maximum **980kg**
Minimum* **735kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Non Spin GPH	548.6	1.0937
Non Spin OSN	534.8	1.1219

Sails Limitations

Headsails	Spinnakers
7	5

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	42.1°	40.5°	37.4°	35.9°	35.1°	34.8°	34.2°
Beat VMG	4.35	5.33	5.83	6.06	6.18	6.22	6.36
52°	6.60	7.73	8.13	8.32	8.44	8.52	8.72
60°	6.98	7.93	8.36	8.60	8.76	8.86	9.08
75°	7.24	8.07	8.61	9.05	9.29	9.46	9.66
90°	7.14	8.03	8.61	9.20	9.72	10.09	10.51
110°	6.89	8.08	8.80	9.32	9.78	10.22	11.39
120°	6.66	7.97	8.71	9.48	10.13	10.67	11.96
135°	5.97	7.42	8.23	8.94	9.75	10.75	13.19
150°	5.00	6.31	7.42	8.17	8.82	9.52	11.42
Run VMG	4.33	5.46	6.43	7.18	7.76	8.35	9.89
Gybe Angles	142.5°	143.3°	149.8°	156.4°	166.3°	180.0°	142.2°

Class Division Length

CDL = 11.926

Storm Sails Areas

Heavy Weather Jib **33.76**
Storm Jib (JL=10.28) **12.51**
Storm Trysail **18.93**

Owner

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