



2024 ORR-Ez Certificate - EZ11942



Salty Tango Saffier Yachts Se 37 Lounge USA 37018

Spinnaker	GPH: 0.873 / 606.8	IR#: 0.885 / 605.9	PHRF BM: 69.7
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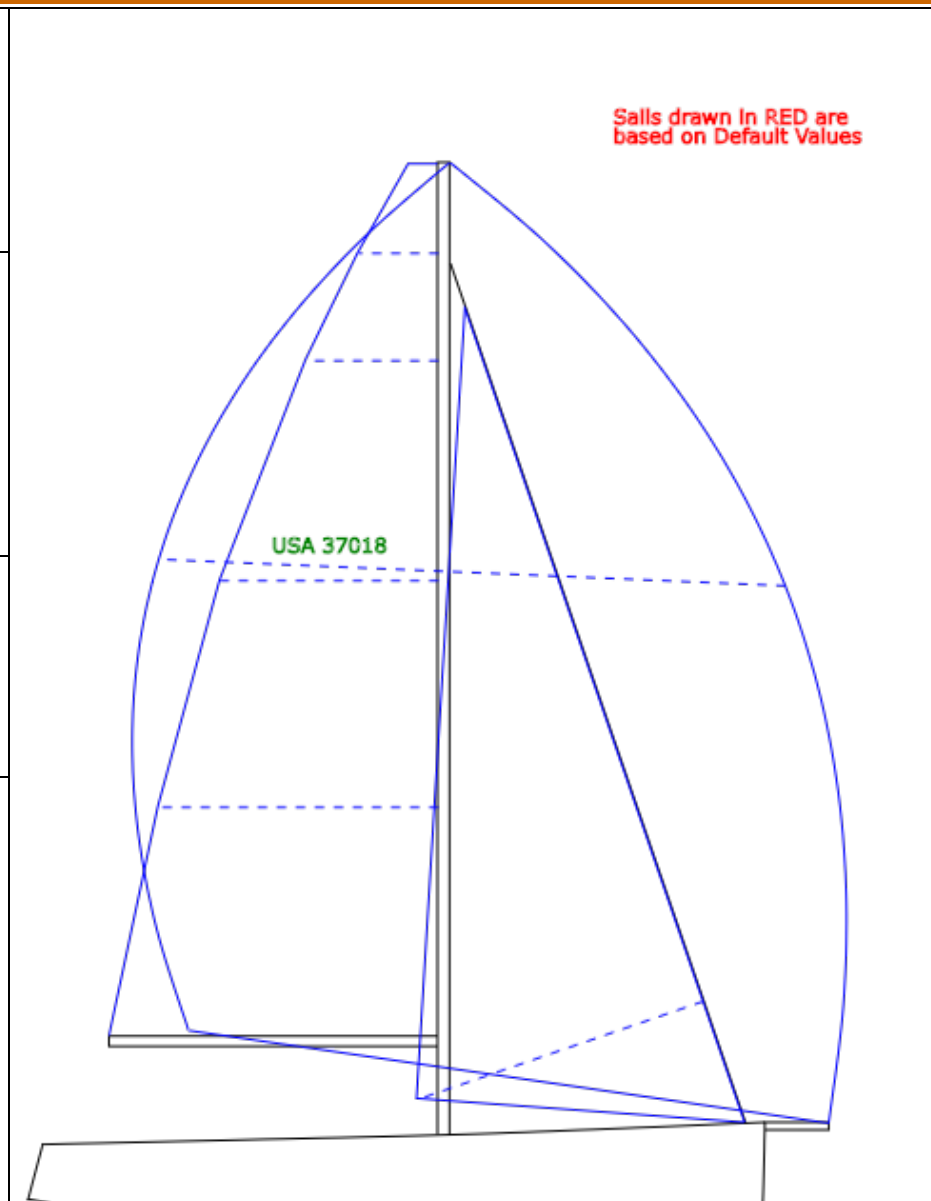
Non-Spin	GPH: 0.800 / 661.8	IR#: 0.838 / 640.0	PHRF BM: 103.8
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Class: Saffier Yachts Se 37 Lounge
 Configuration:
 Sail Number: USA 37018
 Year Built: 2024
 Builder: Saffier Maritiem B
 Owner(s): Poupeau, Jean-Francois

Certificate #: EZ11942
 Valid Year: 2024
 Type: New Cert
 Issue Date: 2024-08-10
 Exp.Date: 2024-12-31
 Offsets_file: Saff37_DV_SK.off
 Cert Group: ORR-Ez SOCAL
 Comment:

Rig Type: Sloop
 Forestay: Fractional
 Keel Type: Fixed
 Prop Type: Folding
 Prop Install: Exposed
 Prop Blades: 2

LOA: 36.10 ft
 LWL: 32.97 ft
 Rated Length: 35.01 ft
 Beam Max: 11.30 ft
 Draft: 6.98 ft
 Disp Empty: 13320 lbs
 Disp Sailing: 15351 lbs
 Crew: 661 lbs
 Water Ballast: 0 lbs
 Wetted Area: 312.4 ft²
 LPS: 119.3 °
 RM20: 1006.9 ft·lbs
 Stab Index: 123 °



Spinnaker: Asymmetrical tacked centerline on bow, sprit or prod
 Genoa/Jib Leech: No Roach - Leech is straight
 Large Roach Headsail: No
 Jib Furler: Yes Below Deck
 Main Roller Furling: No

Rig Dimensions	Mainsail Meas.	Jib/Genoa Meas.	Asymmetric Spin. Meas.
IG: 42.65 ft	HB: 1.44 ft	LP: 14.80 ft	ASLU: 51.57 ft
ISP: 47.57 ft	MGT: 3.90 ft	LPG %: 102.5 %	ASLE: 46.59 ft
J: 14.44 ft	MGU: 6.46 ft	J Luff: 42.13 ft	AMG: 30.61 ft
P: 42.65 ft	MGM: 10.66 ft	J Leech: 38.75 ft	ASF: 31.33 ft
E: 16.08 ft	MGL: 13.68 ft	Area: 311.6 ft ²	Area: 1257.9 ft ²
TPS: 18.54 ft	Area: 432.9 ft ²		





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Spinnaker

Polar Time Allowances

True Wind Speed	4 kts	6 kts	8 kts	10 kts	12 kts	16 kts	20 kts	24 kts
Opt Beat Angle	47.2	45.1	42.6	42.2	39.5	36.4	35.6	35.6
Beat VMG	1,626.82	1,139.10	899.57	772.60	709.54	657.71	637.17	624.17
52°	1,012.54	720.99	580.25	515.33	490.14	469.96	458.58	450.46
60°	920.15	663.39	541.65	493.26	470.96	453.38	442.75	435.13
75°	798.62	588.75	493.81	465.31	448.18	427.52	415.73	407.83
90°	713.99	542.54	473.04	447.08	429.87	406.90	392.10	382.10
110°	712.55	541.88	472.97	438.84	416.39	387.97	367.28	352.41
120°	753.80	567.26	488.34	452.99	426.91	382.76	357.49	338.62
135°	955.76	679.47	547.85	493.77	462.04	415.00	371.98	321.37
150°	1,170.57	832.18	668.50	572.23	510.30	448.36	406.59	366.99
165°	1,305.60	928.18	745.62	638.24	565.56	481.08	433.79	396.95
Run VMG	1,351.66	960.92	771.92	660.76	585.51	497.79	447.81	410.39
Opt Run Angle	133.2	134.9	137.1	145.4	154.6	167.2	170.1	168.8

Benchmark Ratings

	TOT (Spin)	TOD (Spin)
GPH	0.873	606.8
IR#	0.885	605.9

Performance Metrics

SA/D Dnwind:	43.810
SA/D Average:	31.67
SA/D Upwind:	19.530
D/Length:	159.7
Ave Perf Screen:	19.800
DnWind Perf	27.4
Screen:	

PCS Ratings

	4 kts	6 kts	8 kts	10 kts	12 kts	16 kts	20 kts	24 kts
RANDOM LEG	1,188.1	844.4	678.2	588.9	536.6	482.4	453.7	432.6
W50/L50	1,517.5	1,068.3	848.8	727.6	656.4	584.1	547.7	522.2
W60/L40	1,544.6	1,086.2	862.0	739.5	669.1	600.2	566.8	543.8
MOSTLY WW	1,617.5	1,137.6	902.9	775.0	701.5	630.7	601.5	585.2
MOSTLY LW	1,259.8	892.0	713.2	613.1	550.6	477.8	436.2	407.4
MOSTLY REACH	1,076.1	770.0	623.2	546.4	502.2	456.4	429.8	408.1

Non-Spinnaker

Polar Time Allowances

True Wind Speed	4 kts	6 kts	8 kts	10 kts	12 kts	16 kts	20 kts	24 kts
Opt Beat Angle	47.2	45.1	42.6	42.2	39.5	36.5	35.5	35.6
Beat VMG	1,661.36	1,160.62	914.26	784.06	718.89	662.40	638.17	624.17
52°	1,029.25	731.22	586.95	520.31	494.17	471.79	459.19	450.46
60°	929.44	669.13	545.42	496.14	473.56	454.51	443.13	435.13
75°	839.24	615.85	513.63	473.89	449.33	431.14	419.76	411.40
90°	833.33	613.24	513.21	474.18	448.38	415.64	402.05	391.33
110°	936.99	679.17	558.07	502.95	472.81	430.58	396.51	371.23
120°	1,078.39	767.18	616.79	533.62	493.96	446.46	410.72	377.51
135°	1,432.72	969.17	737.70	618.90	540.83	470.50	429.23	394.40
150°	1,709.08	1,132.54	844.34	688.74	594.03	491.15	443.52	407.88
165°	1,767.30	1,184.72	893.48	723.40	618.24	499.40	446.40	408.64
Run VMG	1,801.08	1,206.64	909.44	735.73	628.05	506.07	452.07	414.30
Opt Run Angle	171.5	171.6	171.7	171.8	172.0	173.1	173.8	173.5

Benchmark Ratings

	TOT (Non-Spin)	TOD (Non-Spin)
GPH	0.800	661.8
IR#	0.838	640.0

Performance Metrics

SA/D:	19.53
D/Length:	159.7
Perf Screen:	12.2

PCS Ratings

	4 kts	6 kts	8 kts	10 kts	12 kts	16 kts	20 kts	24 kts
RANDOM LEG	1,364.6	953.2	750.8	639.8	573.6	505.0	471.3	449.3
W50/L50	1,750.5	1,199.1	924.8	771.9	682.6	591.2	550.4	524.2
W60/L40	1,737.6	1,195.2	925.8	777.2	692.0	606.9	569.2	545.4
MOSTLY WW	1,689.3	1,181.6	932.0	795.0	715.5	637.2	604.4	587.0
MOSTLY LW	1,555.1	1,070.0	829.0	690.9	605.8	510.5	459.7	424.3
MOSTLY REACH	1,251.5	879.5	697.3	599.1	541.0	481.4	450.8	429.9





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Spinnaker

Standard 5 Winds

	TOT (Spin)					TOD (Spin)				
	V.Light <5	Light 5-7	Lt/Med 7-9	Medium 9-15	Heavy >15	V.Light <5	Light 5-7	Lt/Med 7-9	Medium 9-15	Heavy >15
RANDOM LEG	0.438	0.576	0.739	0.900	1.141	1,188.1	903.6	703.8	578.3	456.2
W50/L50	0.418	0.554	0.720	0.890	1.151	1,517.5	1,144.8	881.6	713.3	551.3
W60/L40	0.419	0.556	0.723	0.892	1.136	1,544.6	1,164.3	895.9	726.3	570.3
MOSTLY WW	0.425	0.564	0.732	0.902	1.134	1,617.5	1,219.3	938.5	761.4	605.8
MOSTLY LW	0.420	0.554	0.715	0.885	1.200	1,259.8	955.0	739.4	597.8	440.5
MOSTLY REACH	0.451	0.590	0.751	0.903	1.125	1,076.0	823.1	646.5	537.8	431.4

Standard Single Wind

	TOT (Spin) Single	TOD (Spin) Single
RANDOM LEG	0.871	597.4
W50/L50	0.859	738.8
W60/L40	0.859	754.0
MOSTLY WW	0.868	791.5
MOSTLY LW	0.862	613.8
MOSTLY REACH	0.875	554.7

Legacy 4 Winds

	TOT (Spin)				TOD (Spin)			
	V.Light	Light	Medium	Heavy	V.Light	Light	Medium	Heavy
RANDOM LEG	0.405	0.650	0.885	1.055	1,188.1	739.0	542.9	455.6
W50/L50	0.388	0.634	0.884	1.069	1,517.5	928.3	665.2	550.4
W60/L40	0.389	0.637	0.886	1.055	1,544.6	943.5	678.1	569.4
MOSTLY WW	0.389	0.637	0.885	1.041	1,617.5	988.3	711.0	604.7
MOSTLY LW	0.386	0.625	0.873	1.106	1,259.8	777.6	557.1	439.4
MOSTLY REACH	0.419	0.665	0.888	1.045	1,076.0	677.4	507.5	431.0

Non-Spinnaker

Standard 5 Winds

	TOT (Non-Spin)					TOD (Non-Spin)				
	V.Light <5	Light 5-7	Lt/Med 7-9	Medium 9-15	Heavy >15	V.Light <5	Light 5-7	Lt/Med 7-9	Medium 9-15	Heavy >15
RANDOM LEG	0.381	0.509	0.666	0.831	1.095	1,364.6	1,022.9	781.3	625.9	475.2
W50/L50	0.363	0.491	0.658	0.842	1.143	1,750.5	1,291.5	965.3	754.1	555.3
W60/L40	0.373	0.504	0.671	0.851	1.129	1,737.5	1,286.2	966.1	761.1	573.8
MOSTLY WW	0.407	0.542	0.709	0.881	1.127	1,689.3	1,267.6	969.5	779.7	609.5
MOSTLY LW	0.340	0.459	0.613	0.788	1.138	1,555.1	1,151.4	863.3	671.0	464.8
MOSTLY REACH	0.388	0.515	0.669	0.827	1.069	1,251.5	942.7	725.3	587.1	454.0

Standard Single Wind

	TOT (Non-Spin) Single	TOD (Non-Spin) Single
RANDOM LEG	0.802	649.0
W50/L50	0.807	786.7
W60/L40	0.815	794.4
MOSTLY WW	0.847	811.0
MOSTLY LW	0.762	694.3
MOSTLY REACH	0.798	608.2

Legacy 4 Winds

	TOT (Non-Spin)				TOD (Non-Spin)			
	V.Light	Light	Medium	Heavy	V.Light	Light	Medium	Heavy
RANDOM LEG	0.352	0.583	0.827	1.014	1,364.6	824.3	581.6	474.2
W50/L50	0.336	0.575	0.848	1.062	1,750.5	1,023.7	693.5	554.1
W60/L40	0.346	0.587	0.855	1.049	1,737.5	1,023.3	702.7	572.7
MOSTLY WW	0.373	0.615	0.867	1.035	1,689.3	1,022.5	725.6	608.3
MOSTLY LW	0.313	0.531	0.790	1.049	1,555.1	915.0	615.2	463.5
MOSTLY REACH	0.360	0.590	0.822	0.994	1,251.5	763.8	548.1	453.2





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37018**



Spinnaker

PHRF Benchmark

69.7

*Aligned Ratings are based on the Farr
40 MH as Scratch Boat.*

PHRF Single Wind

RANDOM LEG	77.0
W50/L50	104.1
W60/L40	106.2
MOSTLY WW	104.4
MOSTLY LW	85.0
MOSTLY REACH	69.2

PHRF 5 Winds

	V.Light <5	Light 5-7	Lt/Med 7-9	Medium 9-15	Heavy >15
RANDOM LEG	199.3	141.4	99.1	70.7	53.2
W50/L50	310.0	216.2	145.2	93.7	63.4
W60/L40	325.1	225.8	150.4	95.4	60.2
MOSTLY WW	310.9	217.3	147.9	97.4	51.5
MOSTLY LW	198.0	144.0	104.9	78.9	69.5
MOSTLY REACH	169.2	121.1	86.0	63.7	49.8

Non-Spinnaker

PHRF Benchmark

103.8

*Aligned Ratings are based on the Farr
40 MH as Scratch Boat.*

PHRF Single Wind

RANDOM LEG	128.6
W50/L50	152.0
W60/L40	146.6
MOSTLY WW	123.9
MOSTLY LW	165.5
MOSTLY REACH	122.7

PHRF 5 Winds

	V.Light <5	Light 5-7	Lt/Med 7-9	Medium 9-15	Heavy >15
RANDOM LEG	375.8	260.7	176.6	118.3	72.2
W50/L50	543.0	362.9	228.9	134.5	67.4
W60/L40	518.0	347.7	220.6	130.2	63.7
MOSTLY WW	382.7	265.6	178.9	115.7	55.2
MOSTLY LW	493.3	340.4	228.8	152.1	93.8
MOSTLY REACH	344.7	240.7	164.8	113.0	72.4

