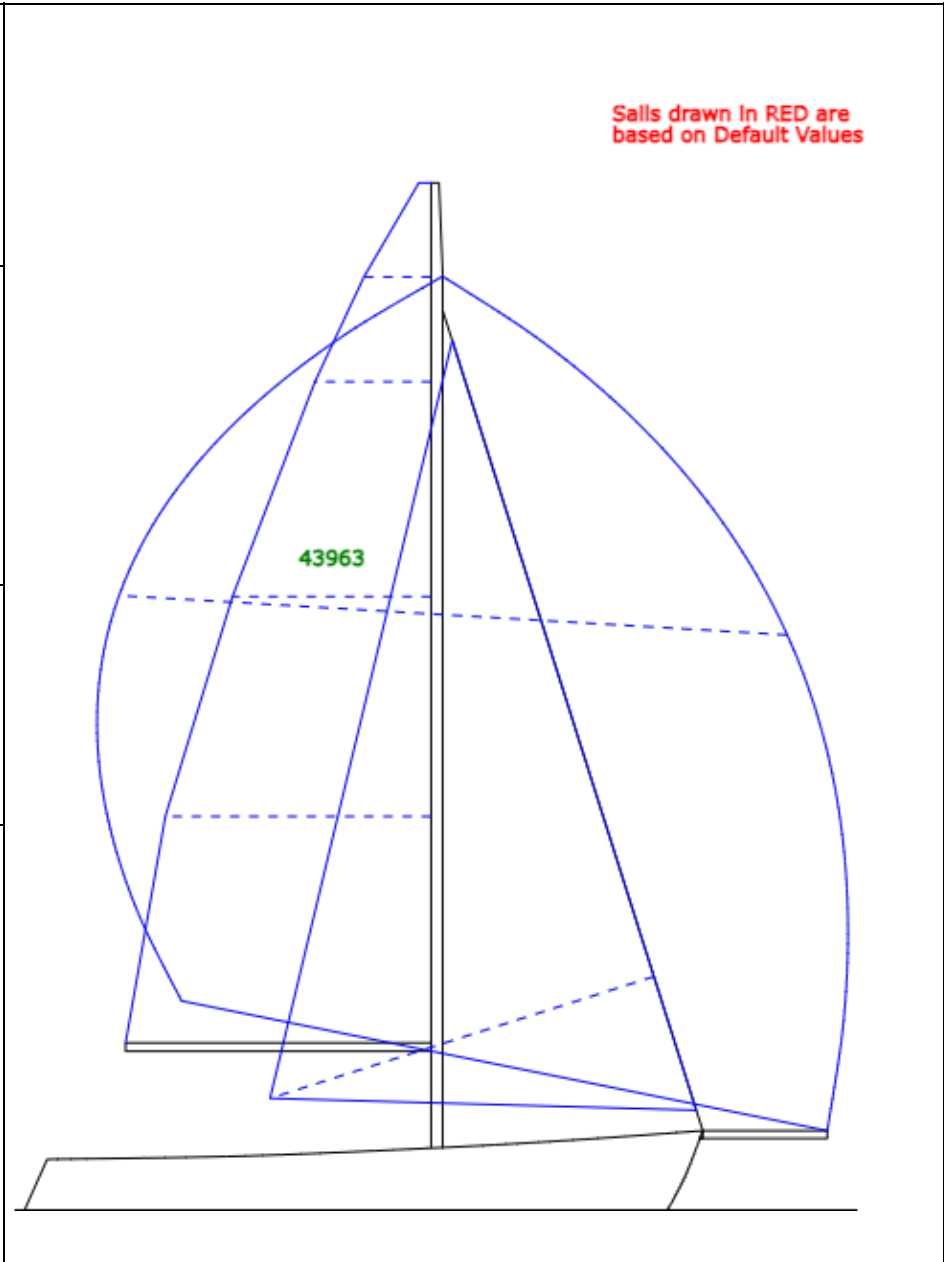


Dreamline J/92 43963

Spinnaker	GPH: 0.847 / 625.2	IR#: 0.853 / 628.8	PHRF BM: 92.6
Non-Spin	GPH: 0.796 / 665.4	IR#: 0.831 / 645.0	PHRF BM: 108.8

Class:	J/92
Configuration:	
Sail Number:	43963
Year Built:	1993
Builder:	TPI
Owner(s):	Newland, David
Certificate #:	EZ11574-1
Valid Year:	2024
Type:	Mid Seas Change
Issue Date:	2024-05-15
Exp. Date:	2024-12-31
Offsets_file:	H194.OFF
Cert Group:	ORR-Ez SOCAL
Comment:	
Rig Type:	Sloop
Forestay:	Fractional
Keel Type:	Fin with Bulb
Prop Type:	Folding
Prop Install:	Strut Drive
Prop Blades:	2
LOA:	29.99 ft
LWL:	25.80 ft
Rated Length:	27.88 ft
Beam Max:	9.95 ft
Draft:	6.00 ft
Disp Empty:	6177 lbs
Disp Sailing:	7577 lbs
Crew:	1106 lbs
Water Ballast:	0 lbs
Wetted Area:	203.4 ft ²
LPS:	114.3 °
RM20:	421.8 ft-lbs
Stab Index:	110 °



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

Rig Dimensions	Mainsail Meas.	Jib/Genoa Meas.	Asymmetric Spin. Meas.
IG: 37.00 ft	HB: 0.54 ft	LP: 17.80 ft	ASLU: 46.42 ft
ISP: 38.50 ft	MGT: 2.97 ft	LPG %: 154.8 %	ASLE: 39.37 ft
J: 11.50 ft	MGU: 5.13 ft	J Luff: 36.61 ft	AMG: 29.53 ft
P: 38.00 ft	MGM: 8.78 ft	J Leech: 35.10 ft	ASF: 28.54 ft
E: 13.50 ft	MGL: 11.75 ft	Area: 325.8 ft ²	Area: 1048.5 ft ²
TPS: 17.00 ft	Area: 318.1 ft ²		

Dreamline J/92 43963

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	45.2	44.3	43.1	39.9	37.7	35.6	35.3	35.7
Beat VMG	1,471.55	1,061.57	867.37	782.78	741.55	704.87	692.32	688.42
52°	930.71	686.38	575.96	542.19	525.99	509.89	501.39	497.06
60°	842.85	637.77	552.99	523.33	508.85	493.43	483.83	477.69
75°	781.25	598.80	528.16	500.60	482.86	460.48	447.42	438.89
90°	724.62	563.08	506.13	479.30	460.24	433.56	416.35	404.43
110°	725.84	561.24	501.02	465.59	442.55	407.69	379.40	360.96
120°	747.68	578.03	515.88	479.47	448.93	398.71	364.59	344.04
135°	941.74	684.97	565.16	520.14	487.49	431.35	367.52	317.26
150°	1,171.45	837.57	677.27	586.06	533.70	470.67	419.05	360.06
165°	1,306.58	934.19	755.40	653.63	584.58	504.99	453.28	405.36
Run VMG	1,352.67	967.14	782.05	676.69	605.20	514.34	459.68	410.97
Opt Run Angle	135.0	137.3	140.3	150.2	159.4	173.0	172.6	171.4

Benchmark Ratings

	TOT (Spin)	TOD (Spin)
GPH	0.847	625.2
IR#	0.853	628.8

Performance Metrics

SA/D Dnwind:	56.690
SA/D Average:	41.70
SA/D Upwind:	26.710
D/Length:	156.0
Ave Perf Screen:	26.700
DnWind Perf	36.3
Screen:	

PCS Ratings

	4 kts	6 kts	8 kts	10 kts	12 kts	16 kts	20 kts	24 kts
RANDOM LEG	1,170.3	844.2	689.7	608.6	561.6	511.0	481.2	459.0
W50/L50	1,442.6	1,035.1	840.4	740.3	681.6	616.2	581.4	554.8
W60/L40	1,454.4	1,044.9	849.6	751.4	695.5	635.4	604.9	582.8
MOSTLY WW	1,541.3	1,104.6	895.6	787.4	727.1	671.8	649.9	639.8
MOSTLY LW	1,262.8	901.9	728.4	631.4	570.4	496.1	450.1	415.9
MOSTLY REACH	1,073.3	778.6	640.4	569.6	528.6	483.3	454.0	432.7

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	45.2	44.3	43.1	39.9	37.7	35.6	35.3	35.7
Beat VMG	1,471.55	1,061.57	867.37	782.78	741.55	704.87	692.32	688.42
52°	930.71	686.38	575.96	542.19	525.99	509.89	501.39	497.06
60°	842.85	637.77	552.99	523.33	508.85	493.43	484.67	479.69
75°	775.86	598.80	533.18	500.94	486.48	469.32	458.52	450.76
90°	769.38	594.96	531.19	496.46	471.90	450.04	435.87	424.87
110°	858.51	649.08	562.18	523.61	495.05	448.36	414.21	398.28
120°	991.54	723.88	599.96	548.97	516.18	466.68	422.87	390.05
135°	1,330.18	921.12	718.65	610.71	555.12	491.96	444.88	399.09
150°	1,643.31	1,097.16	824.08	683.00	592.88	510.73	460.07	414.41
165°	1,675.67	1,131.29	859.39	704.16	604.53	510.52	454.82	405.36
Run VMG	1,701.08	1,147.52	871.00	712.74	611.35	515.87	460.20	410.97
Opt Run Angle	172.1	172.1	172.2	172.2	172.3	173.0	172.6	171.4

Benchmark Ratings

	TOT (Non-Spin)	TOD (Non-Spin)
GPH	0.796	665.4
IR#	0.831	645.0

Performance Metrics

SA/D:	26.71
D/Length:	156.0
Perf Screen:	17.1

PCS Ratings

	4 kts	6 kts	8 kts	10 kts	12 kts	16 kts	20 kts	24 kts
RANDOM LEG	1,297.0	922.8	742.0	645.7	589.4	531.7	501.5	480.4
W50/L50	1,605.6	1,122.4	884.8	758.9	686.3	616.8	581.7	554.9
W60/L40	1,584.2	1,114.8	885.3	766.3	699.2	635.9	605.2	582.9
MOSTLY WW	1,571.9	1,122.5	906.3	793.9	730.9	673.8	651.9	641.9
MOSTLY LW	1,480.8	1,030.7	808.7	685.7	609.2	523.8	473.2	434.5
MOSTLY REACH	1,194.1	856.1	694.5	609.3	560.2	508.7	480.1	459.9

Dreamline J/92 43963

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	0.445	0.577	0.729	0.869	1.076	1,170.3	901.4	714.2	599.1	483.7
W50/L50	0.440	0.574	0.728	0.872	1.087	1,442.6	1,106.0	871.9	727.8	584.1
W60/L40	0.445	0.580	0.734	0.875	1.066	1,454.4	1,116.3	882.0	740.5	607.7
MOSTLY WW	0.446	0.582	0.739	0.884	1.051	1,541.3	1,180.5	929.2	777.4	653.8
MOSTLY LW	0.419	0.548	0.701	0.859	1.165	1,262.8	964.4	753.9	615.9	454.0
MOSTLY REACH	0.452	0.584	0.732	0.865	1.063	1,073.3	830.8	662.9	561.2	456.6

Standard Single Wind

	TOT (Spin) Single	TOD (Spin) Single
RANDOM LEG	0.845	616.0
W50/L50	0.847	749.2
W60/L40	0.848	763.6
MOSTLY WW	0.852	806.1
MOSTLY LW	0.840	629.7
MOSTLY REACH	0.843	575.8

Legacy 4 Winds

	TOT (Spin)				TOD (Spin)			
	V.Light	Light	Medium	Heavy	V.Light	Light	Medium	Heavy
RANDOM LEG	0.411	0.644	0.848	0.995	1,170.3	746.7	567.0	483.1
W50/L50	0.408	0.644	0.855	1.008	1,442.6	912.7	688.1	583.4
W60/L40	0.413	0.651	0.856	0.989	1,454.4	922.7	702.0	607.0
MOSTLY WW	0.408	0.647	0.856	0.964	1,541.3	973.0	735.3	652.8
MOSTLY LW	0.385	0.615	0.843	1.073	1,262.8	790.9	576.4	453.0
MOSTLY REACH	0.420	0.651	0.845	0.988	1,073.3	691.8	533.2	456.0

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	0.401	0.527	0.676	0.820	1.032	1,297.0	987.3	770.2	634.4	504.5
W50/L50	0.395	0.527	0.688	0.851	1.086	1,605.6	1,204.3	922.1	745.4	584.5
W60/L40	0.409	0.542	0.703	0.858	1.065	1,584.2	1,194.8	922.1	754.6	608.0
MOSTLY WW	0.437	0.572	0.730	0.877	1.048	1,571.9	1,200.2	940.9	783.4	655.9
MOSTLY LW	0.357	0.478	0.628	0.792	1.108	1,480.8	1,106.7	841.7	667.5	477.2
MOSTLY REACH	0.407	0.531	0.674	0.810	1.005	1,194.1	914.9	720.0	599.6	482.9

Standard Single Wind

	TOT (Non-Spin) Single	TOD (Non-Spin) Single
RANDOM LEG	0.794	655.5
W50/L50	0.819	775.2
W60/L40	0.826	784.5
MOSTLY WW	0.845	813.2
MOSTLY LW	0.768	688.6
MOSTLY REACH	0.785	618.1

Legacy 4 Winds

	TOT (Non-Spin)				TOD (Non-Spin)			
	V.Light	Light	Medium	Heavy	V.Light	Light	Medium	Heavy
RANDOM LEG	0.371	0.595	0.806	0.954	1,297.0	808.3	596.3	503.8
W50/L50	0.366	0.605	0.845	1.008	1,605.6	972.1	695.7	583.8
W60/L40	0.379	0.619	0.848	0.989	1,584.2	970.3	708.1	607.3
MOSTLY WW	0.400	0.638	0.851	0.961	1,571.9	986.3	739.5	654.9
MOSTLY LW	0.328	0.547	0.787	1.021	1,480.8	889.0	617.7	476.2
MOSTLY REACH	0.377	0.597	0.796	0.934	1,194.1	754.0	566.0	482.2

Dreamline J/92 43963

Spinnaker

PHRF Benchmark

92.6

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

PHRF Single Wind

RANDOM LEG	95.6
W50/L50	114.5
W60/L40	115.8
MOSTLY WW	119.0
MOSTLY LW	100.9
MOSTLY REACH	90.3

PHRF 5 Winds

	V.Light <5	Light 5-7	Lt/Med 7-9	Medium 9-15	Heavy >15
RANDOM LEG	181.5	139.2	109.5	91.5	80.7
W50/L50	235.1	177.4	135.5	108.2	96.2
W60/L40	234.9	177.8	136.5	109.6	97.6
MOSTLY WW	234.7	178.5	138.6	113.4	99.5
MOSTLY LW	201.0	153.4	119.4	97.0	83.0
MOSTLY REACH	166.5	128.8	102.4	87.1	75.0

Non-Spinnaker

PHRF Benchmark

108.8

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

PHRF Single Wind

RANDOM LEG	135.1
W50/L50	140.5
W60/L40	136.7
MOSTLY WW	126.1
MOSTLY LW	159.8
MOSTLY REACH	132.6

PHRF 5 Winds

	V.Light <5	Light 5-7	Lt/Med 7-9	Medium 9-15	Heavy >15
RANDOM LEG	308.2	225.1	165.5	126.8	101.5
W50/L50	398.1	275.7	185.7	125.8	96.6
W60/L40	364.7	256.3	176.6	123.7	97.9
MOSTLY WW	265.3	198.2	150.3	119.4	101.6
MOSTLY LW	419.0	295.7	207.2	148.6	106.2
MOSTLY REACH	287.3	212.9	159.5	125.5	101.3