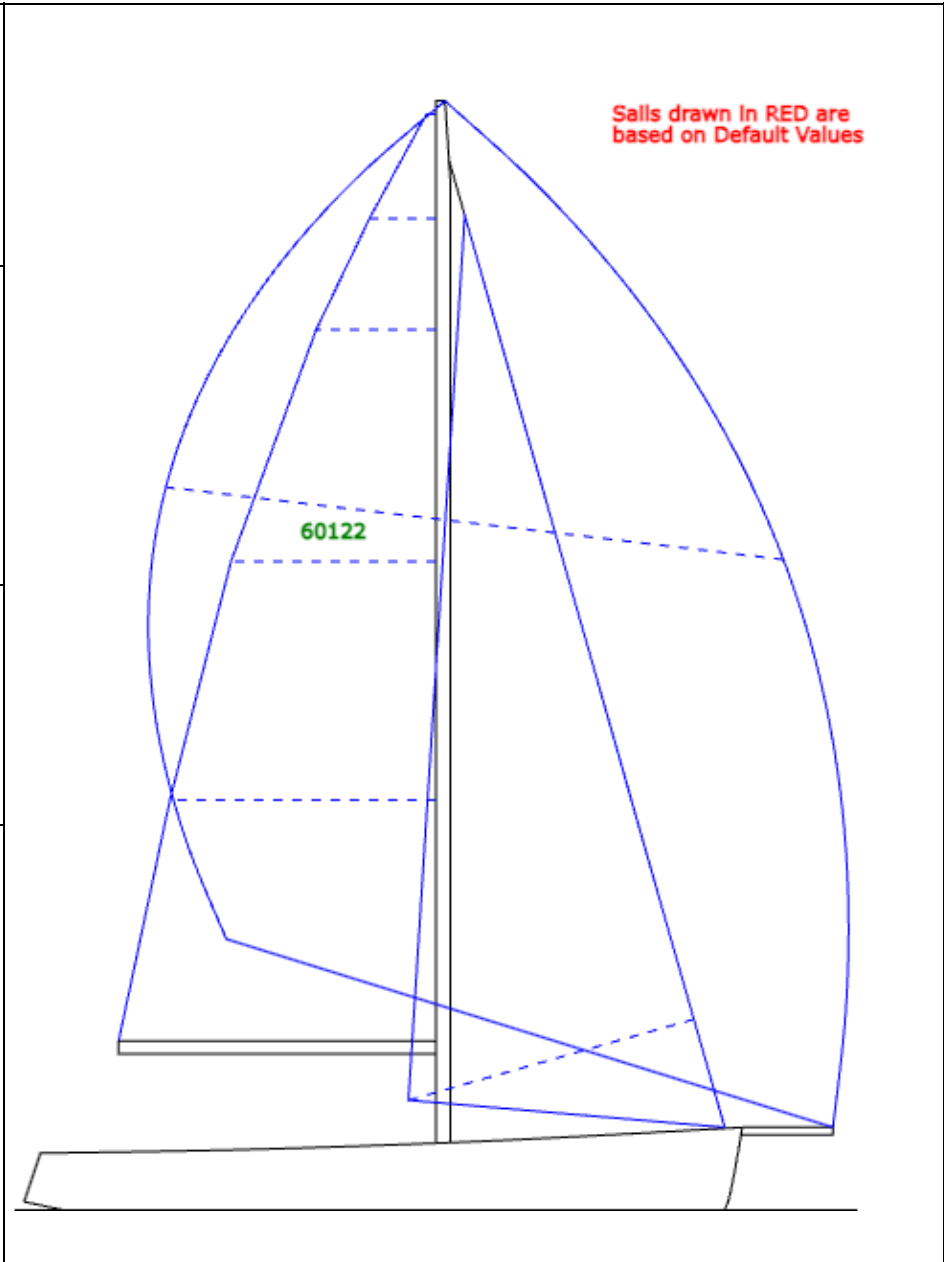


## Pronto 122 J/122 60122

<b>Spinnaker</b>	<b>GPH: 0.933 / 567.7</b>	<b>IR#: 0.939 / 571.3</b>	<b>PHRF BM: 35.1</b>
<b>Non-Spin</b>	<b>GPH: 0.861 / 615.4</b>	<b>IR#: 0.895 / 599.2</b>	<b>PHRF BM: 63.0</b>

Class:	J/122
Configuration:	
Sail Number:	60122
Year Built:	2007
Builder:	J EUROPE
Owner(s):	Murray, Brion W.
Certificate #:	EZ11725
Valid Year:	2024
Type:	Renew Cert
Issue Date:	2024-05-19
Exp. Date:	2024-12-31
Offsets_file:	J122.OFF
Cert Group:	ORR-Ez SOCAL
Comment:	
Rig Type:	Sloop
Forestay:	Masthead
Keel Type:	Fixed
Prop Type:	Folding
Prop Install:	Strut Drive
Prop Blades:	3
LOA:	40.03 ft
LWL:	34.60 ft
Rated Length:	36.99 ft
Beam Max:	11.93 ft
Draft:	7.30 ft
Disp Empty:	15748 lbs
Disp Sailing:	17838 lbs
Crew:	1756 lbs
Water Ballast:	0 lbs
Wetted Area:	349.5 ft <sup>2</sup>
LPS:	119.2 °
RM20:	1188.9 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: 54.42 ft	HB: 0.52 ft	LP: 16.43 ft	ASLU: 65.29 ft
ISP: 57.68 ft	MGT: 3.67 ft	LPG %: 108.1 %	ASLE: 53.31 ft
J: 15.20 ft	MGU: 6.63 ft	J Luff: 52.51 ft	AMG: 34.20 ft
P: 51.34 ft	MGM: 11.35 ft	J Leech: 49.11 ft	ASF: 33.60 ft
E: 17.57 ft	MGL: 14.73 ft	Area: 431.4 ft <sup>2</sup>	Area: 1684.1 ft <sup>2</sup>
TPS: 21.20 ft	Area: 546.9 ft <sup>2</sup>		

## 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	46.3	45.0	43.4	41.5	39.1	36.8	36.6	36.9
Beat VMG	1,429.31	1,024.33	830.51	727.88	682.97	641.93	623.86	613.94
52°	898.27	650.91	534.67	489.76	472.77	455.08	444.20	437.58
60°	816.38	601.35	503.87	467.96	453.99	438.25	428.19	422.02
75°	714.07	540.91	469.67	445.20	430.32	412.56	402.12	395.40
90°	648.38	502.32	449.63	426.97	411.63	391.24	378.43	369.59
110°	647.52	498.65	442.66	414.68	397.04	370.93	352.41	339.88
120°	669.47	514.25	454.94	423.50	399.07	364.31	341.57	325.95
135°	833.44	602.40	499.31	459.96	432.49	388.33	343.70	302.98
150°	1,020.75	736.92	602.65	527.80	477.55	421.67	381.01	339.92
165°	1,138.50	821.93	672.17	588.68	528.04	453.12	408.46	371.90
Run VMG	1,178.67	850.92	695.88	609.45	546.66	468.90	421.93	384.84
Opt Run Angle	134.5	136.3	138.8	146.8	155.7	167.0	169.5	167.2

### Benchmark Ratings

	TOT (Spin)	TOD (Spin)
GPH	0.933	567.7
IR#	0.939	571.3

### Performance Metrics

SA/D Dnwind:	52.300
SA/D Average:	37.62
SA/D Upwind:	22.930
D/Length:	157.2
Ave Perf Screen:	23.900
DnWind Perf	33.3
Screen:	

### PCS Ratings

	4 kts	6 kts	8 kts	10 kts	12 kts	16 kts	20 kts	24 kts
RANDOM LEG	1,071.8	771.1	628.0	552.0	508.4	462.2	436.3	417.6
W50/L50	1,334.6	956.7	775.9	679.0	622.6	561.3	527.9	504.1
W60/L40	1,359.9	974.3	789.7	691.6	636.4	578.8	548.3	527.3
MOSTLY WW	1,459.1	1,040.5	838.8	730.2	669.8	611.6	586.8	573.4
MOSTLY LW	1,129.0	807.8	653.7	568.4	515.4	452.7	415.2	388.5
MOSTLY REACH	975.0	705.5	578.4	513.1	475.9	436.4	412.4	394.4

## 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	46.3	45.0	43.4	41.5	39.1	36.8	36.6	36.9
Beat VMG	1,429.31	1,024.33	830.51	727.88	682.97	641.93	623.86	613.94
52°	898.27	650.91	534.67	489.76	472.77	455.08	444.20	437.58
60°	816.38	601.35	503.87	467.96	453.99	438.25	428.19	422.02
75°	730.58	552.72	479.13	446.15	430.66	415.40	404.94	397.89
90°	723.02	548.72	477.64	444.94	421.96	399.37	386.81	377.33
110°	819.37	604.81	508.07	469.18	443.57	405.24	372.39	356.45
120°	928.55	673.84	554.48	493.87	462.72	420.54	386.54	353.60
135°	1,266.62	869.29	671.77	568.92	503.81	443.79	405.22	371.09
150°	1,556.89	1,040.43	782.20	640.72	552.81	463.40	419.00	384.46
165°	1,629.55	1,096.32	829.86	673.11	576.21	470.02	420.33	383.11
Run VMG	1,660.52	1,116.38	844.42	684.07	584.92	475.74	425.36	388.24
Opt Run Angle	171.9	171.9	172.0	172.1	172.1	173.1	173.5	173.0

### Benchmark Ratings

	TOT (Non-Spin)	TOD (Non-Spin)
GPH	0.861	615.4
IR#	0.895	599.2

### Performance Metrics

SA/D:	22.93
D/Length:	157.2
Perf Screen:	14.6

### PCS Ratings

	4 kts	6 kts	8 kts	10 kts	12 kts	16 kts	20 kts	24 kts
RANDOM LEG	1,228.2	867.5	691.8	596.1	539.9	481.5	452.1	432.9
W50/L50	1,566.0	1,086.5	849.5	717.8	642.4	565.3	529.7	505.8
W60/L40	1,544.5	1,078.2	848.6	722.7	652.4	582.0	549.7	528.6
MOSTLY WW	1,503.9	1,067.2	855.5	740.5	676.2	613.9	588.1	574.4
MOSTLY LW	1,413.3	979.0	764.1	641.7	566.3	481.2	434.4	400.1
MOSTLY REACH	1,125.2	799.6	642.1	558.1	509.0	458.2	431.3	413.9

Pronto 122 J/122 60122

**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	0.486	0.632	0.800	0.958	1.186	1,071.8	823.6	650.4	543.4	438.7
W50/L50	0.476	0.621	0.790	0.951	1.195	1,334.6	1,022.4	803.9	667.4	531.1
W60/L40	0.476	0.622	0.791	0.951	1.175	1,359.9	1,041.3	818.5	681.3	551.5
MOSTLY WW	0.471	0.617	0.790	0.954	1.163	1,459.1	1,112.8	869.8	719.9	590.6
MOSTLY LW	0.468	0.612	0.781	0.952	1.263	1,129.0	863.5	676.7	555.4	418.8
MOSTLY REACH	0.498	0.645	0.811	0.960	1.172	975.0	753.0	599.0	505.9	414.4

**Standard Single Wind**

	TOT (Spin) Single	TOD (Spin) Single
RANDOM LEG	0.930	559.7
W50/L50	0.924	687.2
W60/L40	0.921	703.2
MOSTLY WW	0.921	746.3
MOSTLY LW	0.930	568.9
MOSTLY REACH	0.933	520.3

**Legacy 4 Winds**

	TOT (Spin)				TOD (Spin)			
	V.Light	Light	Medium	Heavy	V.Light	Light	Medium	Heavy
RANDOM LEG	0.448	0.706	0.936	1.097	1,071.8	680.5	513.5	438.1
W50/L50	0.441	0.698	0.935	1.109	1,334.6	842.1	629.0	530.3
W60/L40	0.442	0.700	0.934	1.091	1,359.9	857.5	643.0	550.7
MOSTLY WW	0.431	0.690	0.929	1.067	1,459.1	912.5	677.7	589.6
MOSTLY LW	0.431	0.685	0.933	1.163	1,129.0	709.4	520.8	417.9
MOSTLY REACH	0.462	0.720	0.938	1.088	975.0	625.6	480.2	413.9

**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	0.424	0.560	0.724	0.890	1.142	1,228.2	929.2	718.5	584.6	455.5
W50/L50	0.405	0.544	0.717	0.902	1.189	1,566.0	1,167.3	884.6	703.4	533.6
W60/L40	0.419	0.560	0.733	0.912	1.171	1,544.5	1,157.1	883.2	710.2	553.4
MOSTLY WW	0.457	0.602	0.774	0.942	1.160	1,503.9	1,142.2	887.7	729.3	592.2
MOSTLY LW	0.374	0.503	0.665	0.848	1.206	1,413.3	1,052.1	794.9	623.9	438.6
MOSTLY REACH	0.431	0.567	0.728	0.886	1.117	1,125.2	855.6	666.6	548.2	434.5

**Standard Single Wind**

	TOT (Non-Spin) Single	TOD (Non-Spin) Single
RANDOM LEG	0.860	604.8
W50/L50	0.867	731.9
W60/L40	0.877	738.9
MOSTLY WW	0.908	756.9
MOSTLY LW	0.821	644.4
MOSTLY REACH	0.857	566.4

**Legacy 4 Winds**

	TOT (Non-Spin)				TOD (Non-Spin)			
	V.Light	Light	Medium	Heavy	V.Light	Light	Medium	Heavy
RANDOM LEG	0.391	0.636	0.879	1.057	1,228.2	755.7	546.7	454.7
W50/L50	0.376	0.629	0.903	1.104	1,566.0	935.1	651.6	532.6
W60/L40	0.389	0.644	0.908	1.087	1,544.5	931.9	661.2	552.5
MOSTLY WW	0.418	0.675	0.919	1.065	1,503.9	932.6	684.5	591.1
MOSTLY LW	0.344	0.578	0.846	1.111	1,413.3	840.9	574.5	437.5
MOSTLY REACH	0.400	0.644	0.875	1.039	1,125.2	699.8	514.9	433.7

Pronto 122 J/122 60122

## Spinnaker

### PHRF Benchmark

35.1

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

### PHRF Single Wind

RANDOM LEG	39.3
W50/L50	52.5
W60/L40	55.4
MOSTLY WW	59.2
MOSTLY LW	40.1
MOSTLY REACH	34.8

### PHRF 5 Winds

	V.Light <5	Light 5-7	Lt/Med 7-9	Medium 9-15	Heavy >15
RANDOM LEG	83.0	61.4	45.7	35.8	35.7
W50/L50	127.1	93.8	67.5	47.8	43.2
W60/L40	140.4	102.8	73.0	50.4	41.4
MOSTLY WW	152.5	110.8	79.2	55.9	36.3
MOSTLY LW	67.2	52.5	42.2	36.5	47.8
MOSTLY REACH	68.2	51.0	38.5	31.8	32.8

## Non-Spinnaker

### PHRF Benchmark

63.0

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

### PHRF Single Wind

RANDOM LEG	84.4
W50/L50	97.2
W60/L40	91.1
MOSTLY WW	69.8
MOSTLY LW	115.6
MOSTLY REACH	80.9

### PHRF 5 Winds

	V.Light <5	Light 5-7	Lt/Med 7-9	Medium 9-15	Heavy >15
RANDOM LEG	239.4	167.0	113.8	77.0	52.5
W50/L50	358.5	238.7	148.2	83.8	45.7
W60/L40	325.0	218.6	137.7	79.3	43.3
MOSTLY WW	197.3	140.2	97.1	65.3	37.9
MOSTLY LW	351.5	241.1	160.4	105.0	67.6
MOSTLY REACH	218.4	153.6	106.1	74.1	52.9