

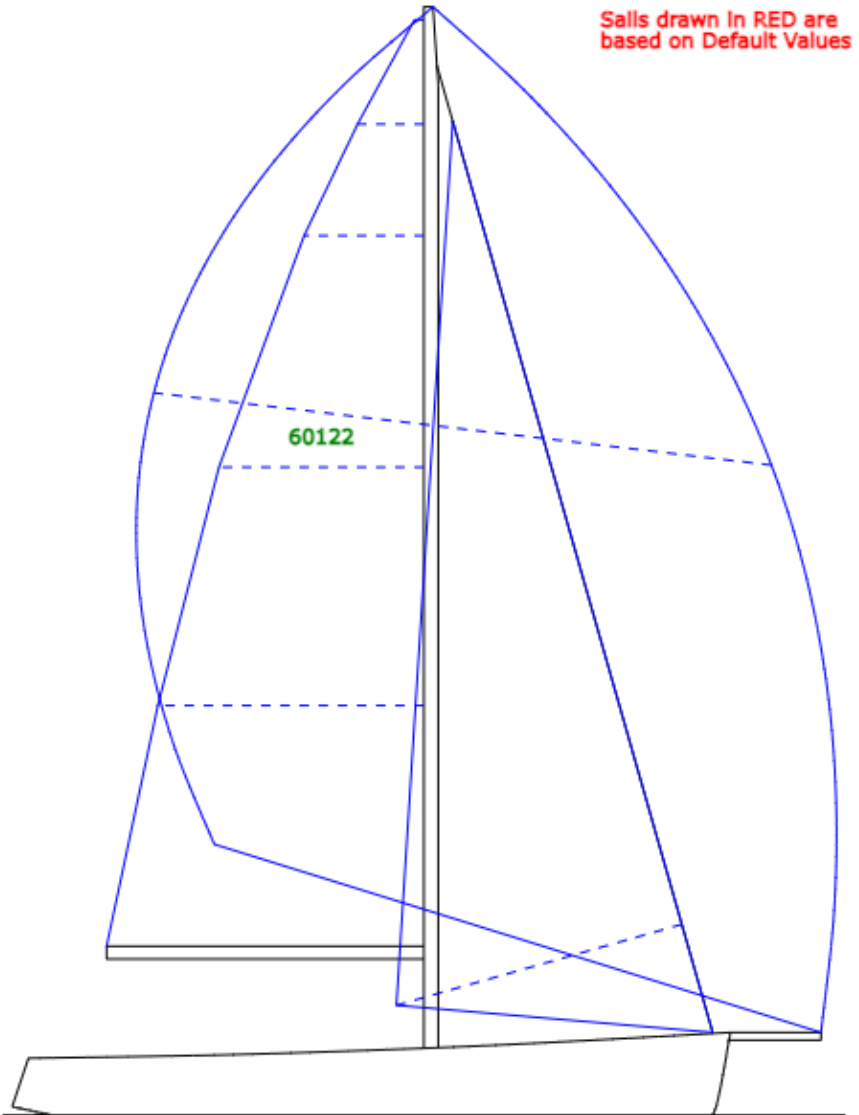
Pronto 122 J/122 60122

Class: J/122
 Configuration:
 Sail Number: 60122
 Year Built: 2007
 Builder: J EUROPE
 Owner(s): Murray, Brion W.

Certificate #: EZ11725
 Valid Year: 2023
 Type: New Cert
 Issue Date: 2023-06-19
 Exp.Date: 2023-12-31
 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 ft²
 LPS: 119.2 °
 RM20: 1188.9 ft·lbs
 Stab Index: 123 °



Spinnaker: Asymmetrical tacked centerline on bow, sprit or prod
 Code Zero: Yes
 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 ²	Area: 1684.1 ft ²
TPS: 21.20 ft	Area: 546.9 ft ²		

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Table of Time Allowances (sec/mile)* (at True Wind Angles)

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	1,429.08	1,024.12	830.33	727.71	682.83	641.79	623.73	613.81
52°	898.09	650.78	534.57	489.66	472.68	454.99	444.12	437.50
60°	816.25	601.24	503.77	467.87	453.90	438.17	428.11	421.94
75°	675.04	522.53	467.16	443.81	429.38	411.93	401.55	394.84
90°	631.88	494.36	448.64	426.35	411.03	390.49	377.59	368.77
110°	639.61	494.21	440.73	414.01	396.32	370.24	351.78	339.30
120°	661.86	509.45	451.95	420.94	397.25	363.89	341.22	325.70
135°	813.36	592.65	496.44	459.14	432.23	388.31	343.73	303.01
150°	996.16	725.75	600.01	527.87	477.52	421.63	380.99	339.90
165°	1,111.08	809.47	669.22	588.76	528.00	453.10	408.43	371.88
Run VMG	1,150.27	838.03	692.83	609.53	546.62	468.88	421.91	384.83
Opt Run Angle	133.3	135.5	138.6	146.7	155.7	167.0	169.5	167.2

* Sec/mile rating assume gybing downwind when target angles are deeper than best VMG angles.

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:	

Standard Ratings

	TOT (Spin)				TOD (Spin)			
	V.Light	Light	Medium	Heavy	V.Light	Light	Medium	Heavy
RANDOM LEG	0.451	0.707	0.934	1.094	1,061.1	676.4	512.3	437.4
W50/L50	0.444	0.699	0.932	1.106	1,321.5	838.4	628.8	530.1
W60/L40	0.444	0.700	0.931	1.088	1,349.2	854.5	642.8	550.5
MOSTLY WW	0.456	0.715	0.930	1.037	1,320.3	842.3	647.6	580.9
MOSTLY LW	0.481	0.725	0.936	1.147	981.1	651.6	504.8	412.0

Benchmark Ratings

	TOT (Spin)	TOD (Spin)
GPH	0.932	566.1
IR#	0.936	570.9

ORR-Ez PHRF

TOD (Spin)
34.6

ORR-Ez PHRF are based on the Farr 40 MH as Scratch Boat.

Standard PCS Ratings

	TOD (Spin)							
	4 kts	6 kts	8 kts	10 kts	12 kts	16 kts	20 kts	24 kts
RANDOM LEG	1,062.4	766.1	625.6	550.8	507.9	462.0	436.2	417.6
W50/L50	1,321.5	950.6	774.1	678.7	622.5	561.2	527.8	504.1
W60/L40	1,349.3	969.3	788.2	691.3	636.3	578.7	548.2	527.2
MOSTLY WW	1,320.2	952.5	778.4	685.8	642.0	599.4	578.9	566.4
MOSTLY LW	981.2	725.2	610.2	545.9	500.5	444.2	409.8	384.1
MOSTLY REACH								

ORR-Ez PHRF Time Allowance 4 Winds

	TOD (Spin)			
	V.Light	Light	Medium	Heavy
RANDOM LEG	70.7	43.1	30.4	33.8
W50/L50	114.6	70.0	42.1	43.7
W60/L40	133.1	79.9	46.7	45.0
MOSTLY WW	153.2	91.6	47.9	39.5
MOSTLY LW	36.6	31.7	27.0	37.9

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Table of Time Allowances (sec/mile)* (at True Wind Angles)

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	1,429.08	1,024.12	830.33	727.71	682.83	641.79	623.73	613.81
52°	898.09	650.78	534.57	489.66	472.68	454.99	444.12	437.50
60°	816.25	601.24	503.77	467.87	453.90	438.17	428.11	421.94
75°	730.48	552.63	479.05	446.06	430.59	415.33	404.88	397.83
90°	722.94	548.65	477.57	444.88	421.90	399.32	386.76	377.28
110°	819.32	604.76	508.02	469.13	443.52	405.20	372.35	356.41
120°	928.43	673.78	554.43	493.83	462.68	420.49	386.50	353.58
135°	1,266.54	869.25	671.73	568.87	503.78	443.76	405.20	371.07
150°	1,556.89	1,040.40	782.17	640.69	552.79	463.39	418.98	384.44
165°	1,629.55	1,096.32	829.84	673.09	576.19	470.00	420.33	383.10
Run VMG	1,660.52	1,116.35	844.40	684.06	584.91	475.73	425.35	388.23
Opt Run Angle	171.9	171.9	172.0	172.1	172.1	173.1	173.5	173.0

* Sec/mile rating assume gybing downwind when target angles are deeper than best VMG angles.

Performance Metrics

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

Standard Ratings

	TOT (Non-Spin)				TOD (Non-Spin)			
	V.Light	Light	Medium	Heavy	V.Light	Light	Medium	Heavy
RANDOM LEG	0.391	0.636	0.878	1.054	1,222.2	752.7	545.2	453.9
W50/L50	0.377	0.631	0.903	1.102	1,553.4	929.6	649.7	532.1
W60/L40	0.390	0.646	0.907	1.083	1,534.4	927.5	659.6	552.1
MOSTLY WW	0.438	0.697	0.923	1.035	1,377.3	864.7	652.9	582.2
MOSTLY LW	0.356	0.595	0.858	1.096	1,326.0	793.4	550.7	431.2

Benchmark Ratings

	TOT (Non-Spin)	TOD (Non-Spin)
GPH	0.858	615.4
IR#	0.896	597.5

ORR-Ez PHRF

TOD (Non-Spin)
61.2

ORR-Ez PHRF are based on the Farr 40 MH as Scratch Boat.

Standard PCS Ratings

	TOD (Non-Spin)							
	4 kts	6 kts	8 kts	10 kts	12 kts	16 kts	20 kts	24 kts
RANDOM LEG	1,228.0	867.4	691.8	596.1	539.9	481.6	452.2	433.0
W50/L50	1,565.8	1,086.4	849.4	717.7	642.4	565.2	529.6	505.8
W60/L40	1,544.3	1,078.0	848.5	722.6	652.3	581.9	549.6	528.5
MOSTLY WW	1,379.8	985.8	796.5	695.1	646.9	600.9	580.2	567.6
MOSTLY LW	1,340.9	930.1	727.0	612.3	545.8	470.2	429.6	396.9
MOSTLY REACH								

ORR-Ez PHRF Allowance 4 Winds

	TOD (Non-Spin)			
	V.Light	Light	Medium	Heavy
RANDOM LEG	231.8	119.4	63.3	50.3
W50/L50	346.5	161.2	63.0	45.7
W60/L40	318.3	152.9	63.5	46.6
MOSTLY WW	210.2	114.0	53.2	40.8
MOSTLY LW	381.5	173.5	72.9	57.1