

## Cheeky J/122 61658

Class: J/122 Configuration: fractional sloop Sail Number: 61658 Year Built: 2008 Builder: J EUROPE Owner(s): Stratton, Mark																													
Certificate #: EZ11644 Valid Year: 2023 Type: New Cert Issue Date: 2023-02-16 Exp. Date: 2023-12-31 Offsets_file: J122.OFF Cert Group: ORR-Ez SOCAL Comment:																													
Rig Type: Sloop Forestay: Masthead Keel Type: Fin with Bulb Prop Type: Folding Prop Install: Exposed 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: 17833 lbs Crew: 1700 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 Code Zero: No Genoa/Jib Leech: No Roach - Leech is straight Large Roach Headsail: No Jib Furler: No Main Roller Furling: No																													
<table border="1"> <thead> <tr> <th>Rig Dimensions</th> <th>Mainsail Meas.</th> <th>Jib/Genoa Meas.</th> <th>Asymmetric Spin. Meas.</th> </tr> </thead> <tbody> <tr> <td>IG: 54.42 ft</td> <td>HB: 0.31 ft</td> <td>LP: 16.70 ft</td> <td>ASLU: 65.29 ft</td> </tr> <tr> <td>ISP: 57.70 ft</td> <td>MGT: 3.71 ft</td> <td>LPG %: 109.9 %</td> <td>ASLE: 53.21 ft</td> </tr> <tr> <td>J: 15.20 ft</td> <td>MGU: 6.69 ft</td> <td>J Luff: 54.27 ft</td> <td>AMG: 34.35 ft</td> </tr> <tr> <td>P: 51.35 ft</td> <td>MGM: 11.42 ft</td> <td>J Leech: 51.70 ft</td> <td>ASF: 33.60 ft</td> </tr> <tr> <td>E: 17.59 ft</td> <td>MGL: 14.73 ft</td> <td>Area: 453.1 ft<sup>2</sup></td> <td>Area: 1688.6 ft<sup>2</sup></td> </tr> <tr> <td>TPS: 21.16 ft</td> <td>Area: 548.5 ft<sup>2</sup></td> <td></td> <td></td> </tr> </tbody> </table>	Rig Dimensions	Mainsail Meas.	Jib/Genoa Meas.	Asymmetric Spin. Meas.	IG: 54.42 ft	HB: 0.31 ft	LP: 16.70 ft	ASLU: 65.29 ft	ISP: 57.70 ft	MGT: 3.71 ft	LPG %: 109.9 %	ASLE: 53.21 ft	J: 15.20 ft	MGU: 6.69 ft	J Luff: 54.27 ft	AMG: 34.35 ft	P: 51.35 ft	MGM: 11.42 ft	J Leech: 51.70 ft	ASF: 33.60 ft	E: 17.59 ft	MGL: 14.73 ft	Area: 453.1 ft <sup>2</sup>	Area: 1688.6 ft <sup>2</sup>	TPS: 21.16 ft	Area: 548.5 ft <sup>2</sup>			
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### Cheeky J/122 61658

**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	45.1	43.6	41.5	39.2	36.9	36.6	36.9
Beat VMG	1,418.27	1,016.92	824.99	726.14	681.70	641.32	624.02	614.90
52°	891.97	646.84	531.80	489.11	472.37	455.10	444.65	438.32
60°	810.94	598.05	501.83	467.79	453.96	438.53	428.76	422.80
75°	715.12	541.61	470.18	445.34	430.75	412.99	402.54	395.80
90°	648.96	502.79	450.07	427.37	412.03	391.67	378.89	370.05
110°	648.39	499.14	442.88	415.04	397.41	371.36	352.95	340.53
120°	670.74	514.93	455.18	423.62	399.18	364.73	342.16	326.73
135°	837.34	604.27	499.90	460.22	432.64	388.36	343.70	303.74
150°	1,025.52	739.40	603.76	528.43	477.84	421.75	381.03	339.87
165°	1,143.82	824.70	673.41	589.39	528.46	453.30	408.53	371.94
Run VMG	1,184.17	853.79	697.16	610.18	547.10	469.11	422.05	384.91
Opt Run Angle	134.4	136.2	138.7	146.7	155.7	166.9	169.4	167.0

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

**Performance Metrics**

SA/D Dnwind:	52.450
SA/D Average:	37.96
SA/D Upwind:	23.470
D/Length:	157.2
Ave Perf Screen:	24.100
DnWind Perf	33.4
Screen:	

**Standard Ratings**

	TOT (Spin)				TOD (Spin)			
	V.Light	Light	Medium	Heavy	V.Light	Light	Medium	Heavy
RANDOM LEG	0.448	0.704	0.933	1.093	1,069.2	679.1	512.9	438.0
W50/L50	0.441	0.698	0.933	1.106	1,331.1	840.2	628.5	530.4
W60/L40	0.442	0.700	0.932	1.086	1,354.6	854.9	642.3	550.7
MOSTLY WW	0.458	0.717	0.931	1.036	1,316.9	839.5	646.9	581.3
MOSTLY LW	0.472	0.718	0.934	1.145	1,000.4	657.3	505.7	412.5

**Benchmark Ratings**

	TOT (Spin)	TOD (Spin)
GPH	0.930	567.2
IR#	0.936	571.1

**ORR-Ez PHRF**

TOD (Spin)
34.8

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	1,070.7	770.3	627.4	551.8	508.3	462.4	436.8	418.4
W50/L50	1,331.2	954.4	774.2	678.3	622.1	561.1	528.1	504.7
W60/L40	1,354.8	971.0	787.3	690.6	635.8	578.5	548.5	527.9
MOSTLY WW	1,317.0	949.2	774.7	684.7	641.3	599.1	579.3	567.4
MOSTLY LW	1,000.3	734.6	613.2	547.2	501.4	444.6	410.3	384.6
MOSTLY REACH								

**ORR-Ez PHRF Time Allowance 4 Winds**

	TOD (Spin)			
	V.Light	Light	Medium	Heavy
RANDOM LEG	78.8	45.8	31.0	34.4
W50/L50	124.2	71.8	41.8	44.0
W60/L40	138.5	80.3	46.2	45.2
MOSTLY WW	149.8	88.8	47.2	39.9
MOSTLY LW	55.9	37.4	27.9	38.4

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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	45.1	43.6	41.5	39.2	36.9	36.6	36.9
Beat VMG	1,418.27	1,016.92	824.99	726.14	681.70	641.32	624.02	614.90
52°	891.97	646.84	531.80	489.11	472.37	455.10	444.65	438.32
60°	810.94	598.05	501.83	467.79	453.96	438.53	428.76	422.80
75°	726.23	550.18	477.80	445.34	431.08	416.01	405.67	398.72
90°	718.43	546.08	476.30	443.71	421.01	400.00	387.58	378.25
110°	814.39	601.82	506.28	467.98	442.53	404.20	371.68	357.59
120°	923.38	670.47	552.05	492.64	461.76	419.67	385.54	352.97
135°	1,262.85	866.93	670.12	567.50	502.91	443.09	404.46	370.13
150°	1,554.27	1,038.72	780.94	639.69	551.78	462.70	418.26	383.55
165°	1,624.84	1,093.26	827.62	671.27	574.54	468.94	419.27	381.85
Run VMG	1,654.79	1,112.66	841.71	681.92	583.00	474.52	424.21	386.90
Opt Run Angle	171.9	172.0	172.0	171.8	172.1	173.1	173.4	172.9

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

#### Performance Metrics

SA/D:	23.47
D/Length:	157.2
Perf Screen:	14.9

#### Standard Ratings

	TOT (Non-Spin)				TOD (Non-Spin)			
	V.Light	Light	Medium	Heavy	V.Light	Light	Medium	Heavy
RANDOM LEG	0.393	0.638	0.879	1.054	1,216.9	750.2	544.2	453.8
W50/L50	0.379	0.634	0.905	1.103	1,544.5	925.4	648.1	531.7
W60/L40	0.392	0.649	0.909	1.084	1,525.0	923.1	658.0	551.8
MOSTLY WW	0.441	0.701	0.925	1.035	1,367.5	860.0	651.7	582.4
MOSTLY LW	0.358	0.598	0.861	1.098	1,320.1	790.4	549.3	430.3

#### Benchmark Ratings

	TOT (Non-Spin)	TOD (Non-Spin)
GPH	0.860	613.8
IR#	0.898	596.1

#### ORR-Ez PHRF

TOD (Non-Spin)
59.8

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	1,222.9	864.2	689.5	594.7	538.9	481.2	452.2	433.4
W50/L50	1,557.0	1,080.9	845.7	715.6	640.8	564.4	529.2	505.6
W60/L40	1,534.9	1,072.2	844.6	720.5	650.9	581.1	549.3	528.7
MOSTLY WW	1,370.1	979.4	791.8	693.5	645.8	600.5	580.4	568.4
MOSTLY LW	1,334.9	926.2	724.2	610.6	544.4	469.3	428.7	396.1
MOSTLY REACH								

#### ORR-Ez PHRF Allowance 4 Winds

	TOD (Non-Spin)			
	V.Light	Light	Medium	Heavy
RANDOM LEG	226.5	116.9	62.3	50.2
W50/L50	337.6	157.0	61.4	45.3
W60/L40	308.9	148.5	61.9	46.3
MOSTLY WW	200.4	109.3	52.0	41.0
MOSTLY LW	375.6	170.5	71.5	56.2