

**Tiara Yachts 38LS
Triple Mercury 300 Verado JPO**



PERFORMANCE REPORT

Date tested: 5/27/2021 Test Engineers: Mike Ward
Brad Houskamp
Jason Romig

Hull Number: SSUKB146D121
Location: LAKE MICHIGAN, HOLLAND MI
Weather: Cloudy, Wind NE 5-10, Waves 1-2
Water / Air Temp: 52/62

Mounting Hole: 2, 2, 2
Propeller: ENERTIA ECO 16.5/17/16.5
Gears/Gear Ratio: 1.85:1
Fuel Capacity: 331
Fuel/Water/Waste: 100%/100%/100% - No Optional Gyro
People on Board: 3
Gear on Board: 766 lbs Includes people and gear
Test Weight: 22,103

PERFORMANCE SUMMARY:

Acceleration: 0-30 = 11.3
Optimum Cruise Speed: 39.1 mph @ 5000 RPM
Range at Optimum Cruise: 257 Statute Miles

RPM	MPH	Knots	GPH	Statute MPG	Nautical MPG	dB,A	Trim Angle (degrees)	Estimated Range (Statute Miles)	Estimated Range (Nautical Miles)
600	3.2	2.8	2.2	1.50	1.31	-	0.0	448	389
1000	5.3	4.6	3.8	1.37	1.19	-	0.5	409	355
1500	7.8	6.8	6.0	1.32	1.14	-	0.6	392	341
2000	9.7	8.4	9.1	1.06	0.92	-	2.4	316	274
2500	11.0	9.6	12.6	0.87	0.76	-	3.8	260	226
3000	12.0	10.4	18.0	0.67	0.58	-	5.3	199	173
3500	15.4	13.4	23.0	0.67	0.58	-	5.1	199	173
4000	21.6	18.8	31.7	0.68	0.59	-	4.1	203	177
4500	33.4	29.0	40.1	0.83	0.72	-	3.7	248	215
5000	39.1	34.0	45.4	0.86	0.75	-	3.2	257	223
5500	43.2	37.5	61.4	0.70	0.61	-	2.8	210	182
6015	48.1	41.8	74.1	0.65	0.56	-	2.8	194	168

This boat has passed the ABYC Quick Turn Test H-26.8.3.1 at WOT.

Notes:

Speed determined by GPS, GPH based on the total usage of the engines. MPG computed from MPH and GPH figures shown. Range based on calculated MPG and 90% of total fuel capacity. The performance data shown above should be considered valid only for the specific boat whose serial number is shown and on the date this test was performed.

Many factors may affect actual performance obtained on this boat or on similar boats. These include but are not limited to, installation of certain options such as tuna towers, hard tops, vessel loading and trim, weather and sea conditions, engine and boat condition, propeller condition, water temperature, altitude, manufacturing tolerances, etc. Tiara Yachts make no guarantees whatsoever that this performance will be repeated on this boat at a later date or at any time on a similarly equipped boat.