

39LE

## *Twin Mercury 600 Verado V12 7.6L*

**TIara**  
Y A C H T S

## PERFORMANCE REPORT

Date tested:	11/15/25	Test Engineer:	Chris Caropepe Josh Koetsier Jason Romig
Hull Number:	BF001		
Location:	St. Lucie River - Stuart, FL		
Weather:	Sunny - Wind N 15-20 - waves <2'		
Water / Air Temp:	68 / 50		
Propeller:	VERADO12 DUO PROP 29P		
Gear & Gear Ratio:	2 Speed transmission		
Fuel Capacity:	500 gallons		
Fuel/Water/Waste:	100/100/100		
People on Board:	3		
Gear on Board:	700 lbs	Includes personnel and test equipment	
Weight as tested:	27472 lbs		
Engine Mounting:	Hole 4		

## PERFORMANCE:

Acceleration: Idle-30 =11.5 seconds  
Optimum Cruise Speed: 34.5 mph @ 4500 RPM / 39.5 mph @ 5000 RPM  
Range at Optimum Cruise: 305 / 312 Statute Miles

RPM	MPH	Knots	GPH	SMPG	NMPG	dB,A*	Trim Angle (degrees)	Estimated Range (Statute Miles)	Estimated Range (Nautical Miles)
700	3.6	3.1	2.6	1.34	1.17	55.75/52.9	0.2	604	525
1000	5.0	4.3	3.8	1.33	1.16	58.7/54.5	0.3	600	521
1500	7.2	6.3	6.6	1.09	0.95	64.75/55.45	0.8	490	426
2000	8.6	7.5	9.6	0.90	0.78	68.85/58.8	1.8	405	352
2500	9.4	8.2	15.3	0.61	0.53	71.75/61.7	3.4	276	240
3000	10.7	9.3	25.4	0.42	0.37	74.3/65	4.8	189	165
3500	23.0	20.0	39.4	0.58	0.51	78.85/72.4	5.5	263	229
4000	28.2	24.5	44.8	0.63	0.55	82.05/76.6	5.4	283	246
4500	34.5	30.0	51.0	0.68	0.59	83.65/78.8	4.8	305	265
5000	39.5	34.4	57.1	0.69	0.60	86.8/83	4.3	312	271
5500	45.0	39.1	77.9	0.58	0.50	87.9/82.9	3.7	260	226
6000	49.7	43.2	91.5	0.54	0.47	88.2/81.7	3.3	245	213
6395	53.7	46.7	103.1	0.52	0.45	88.64/84.4	3.3	235	204

\*dB,A sound measurements taken without / with standard enclosure

Note:

Speed determined by GPS, GPH based on the total usage for the engines. MPG computed from MPH and GPH figures shown.

Range based on calculated MPG and 90% of total fuel capacity which represents a 10% reserve. 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.

whatever that this performance will be repeated on this boat at a later date or at any time on a similarly equipped boat.

This boat has passed the ABYC Quick Turn Test H-23.8.3.1 at WOT.

This boat has passed the ABYC Quick Turn Test IT-20.8.5.1 at WOT.

This boat is equipped with the optional gyro.