

**Tiara Sport 38LS  
Twin 527 Seven Marine**



**PERFORMANCE REPORT**

Date tested: 7/12/2018 Test Engineer: Mike Mitchell  
 Dave Wilson  
 Hull Number: KB019 Mike Downey  
 Location: Chesapeake, VA Robbie Massengill  
 Weather: wind S 10-15  
 Water / Air Temp: 80 / 77

Propeller: G6  
 Gear & Gear Ratio: 1:2.2  
 Fuel Capacity: 331 gallons  
 Fuel/Water/Waste: 100%/100%/100%  
 People on Board: 4  
 Gear on Board: 100 LBS Includes personnel and test equipment

**PERFORMANCE:**  
 Acceleration: Idle-30 = 11.5 seconds  
 Optimum Cruise Speed: 34.7 mph @ 4000 RPM / 40.2 mph @ 4500 RPM  
 Range at Optimum Cruise: 276 / 264 Statute Miles

RPM	MPH	Knots	GPH	SMPG	NMPG	dB,A	Trim Angle (degrees)	Estimated Range (Statute Miles)	Estimated Range (Nautical Miles)
600	3.8	3.3	2.3	1.69	1.47	62	0.0	503	437
1025	6.4	5.6	3.6	1.76	1.53	63	0.3	526	457
1515	8.9	7.7	7.6	1.17	1.01	67	0.8	348	302
1984	10.8	9.4	11.5	0.94	0.82	70	2.5	280	243
2511	13.6	11.8	18.0	0.75	0.65	84	4.6	224	195
3008	21.0	18.2	25.5	0.82	0.72	81	5.6	245	213
3501	27.9	24.3	31.0	0.90	0.78	82	5.5	269	233
4013	34.7	30.2	37.5	0.93	0.80	88	4.8	276	240
4488	40.2	35.0	45.5	0.88	0.77	85	3.9	264	229
5002	46.2	40.2	56.0	0.83	0.72	85	3.5	246	214
5495	50.8	44.2	71.8	0.71	0.62	88	2.9	211	183
5889	55.0	47.8	101.8	0.54	0.47	88	2.8	161	140

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. 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.

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