

# Tiara Sport 38LS

## Triple Yamaha 300hp



### PERFORMANCE REPORT

Date tested: 5/23/2018 Test Engineer: Chris Caropepe  
Chase Rojeck

Hull Number: KB018  
Location: Lake Michigan  
Weather: Thick fog, Wind W 5mph  
Water / Air Temp: 50 / 50

Propeller: 15.5 x 17 KB018  
Gear & Gear Ratio: 1.75:1  
Fuel Capacity: 331 gallons  
Fuel/Water/Waste: 100%/100%/100%  
People on Board: 2  
Gear on Board: 100 lbs Includes personnel and test equipment  
Test Weight: 20739 lbs



**PERFORMANCE:**  
Acceleration: 8.0 Seconds to 30 mph / 5.5 Seconds to 20 mph  
Optimum Cruise Speed: 26.2 mph @ 4500 RPM / 41.5 mph @ 5000 RPM  
Range at Optimum Cruise: 192 / 238 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	1.8	2.10	1.82	60	0.0	625	543
1000	6.2	5.4	4.0	1.57	1.37	60	0.0	469	408
1500	8.3	7.2	6.1	1.36	1.18	67	0.5	404	351
2000	10.8	9.4	10.4	1.04	0.90	75	2.5	309	268
2500	11.4	9.9	14.2	0.80	0.69	80	4.0	238	207
3000	13.3	11.5	19.9	0.67	0.58	84	5.0	199	173
3500	14.9	13.0	24.3	0.61	0.53	85	5.5	183	159
4000	19.5	16.9	32.5	0.60	0.52	88	6.0	179	155
4500	26.2	22.8	40.8	0.64	0.56	86	5.0	192	167
5000	41.5	36.0	51.9	0.80	0.69	87	4.5	238	207
5500	45.7	39.7	62.7	0.73	0.63	86	4.0	218	189
6000	49.8	43.3	78.2	0.64	0.55	89	4.0	190	165
6000	50.0	43.5	78.6	0.64	0.55	89	3.5	190	165

**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.**