

# TIARA YACHTS 43 LE

## Triple YAMAHA 425 XTO OFFSHORE™



### PERFORMANCE REPORT

Date tested: 10/26/2020 Test Engineers: Chris Caropepe  
Mike Ward

Hull Number: SSUBC002J021  
Location: North Branch St. Lucie River, Stuart, FL USA  
Weather: Wind SE 10 MPH - Partly Cloudy skies - Seas <1'  
Water / Air Temp: 80.6 / 84

Propeller: Yamaha XTO Offshore 16-5/8 x 18  
Gear Ratio: 1.79:1  
Engine Mounting: Hole #2 - Ventilation Plate 1" Above Hull Bottom  
Fuel Capacity: 400  
Fuel/Water/Waste: 70%/100%/0% - Optional Gyro  
People on Board: 3  
Gear on Board: 450 LBS Includes personnel and test equipment.  
Test Weight 27805 LBS

<b>PERFORMANCE:</b>	
Acceleration:	0-30 = 11.0 seconds
Optimum Cruise Speed:	30.5 / 36.6 mph @ 4000 / 4500 RPM
Range at Optimum Cruise:	255 / 234 Statute Miles @ 43 / 56 GPH

RPM	MPH	Knots	GPH	Statute MPG	Nautical MPG	dB,A*	Trim Angle (degrees)	Estimated Range (Statute Miles)	Estimated Range (Nautical Miles)
600	3.9	3.4	2.9	1.32	1.15	62/61	0.0	476	413
1000	6.2	5.4	5.7	1.10	0.96	63/62.5	0.0	398	346
1500	8.6	7.5	7.9	1.09	0.95	68/63	0.5	394	342
2000	9.8	8.5	12.1	0.81	0.70	72/65.5	3.5	291	253
2500	10.0	8.7	18.4	0.54	0.47	75/68	3.5	195	170
3000	17.8	15.4	24.0	0.74	0.64	77/72	5.0	267	232
3500	21.6	18.8	32.7	0.66	0.57	81/73	4.5	238	207
4000	30.5	26.5	43.0	0.71	0.62	82/77	4.5	255	222
4500	36.6	31.8	56.4	0.65	0.56	84/79	4.0	234	203
5000	41.7	36.3	68.4	0.61	0.53	86/80.5	3.5	220	191
5500	46.6	40.5	86.9	0.54	0.47	89/83	3.0	193	168
6000	51.7	44.9	110.2	0.47	0.41	93/87	3.0	169	147

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

This boat was not equipped with bottom paint.

\*dB,A taken with optional enclosure open/closed

Note:

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

Data collected using Maretron VDR100 NMEA 2000 Vessel Data Recorder

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.