

TIARA YACHTS 34 LS

Twin Yamaha F300



PERFORMANCE REPORT

Date tested: 1/27/2020 Test Engineer: Chris Caropepe
Mike Ward

Hull Number: KC041
Location: Clearwater, FL ICW
Weather: Partly cloudy Wind SE 0-5 / Waves < 1'
Water / Air Temp: 60 / 69

Propeller: 15.5X17
Gear & Gear Ratio: 1.75:1
Fuel Capacity: 200 gallons
Fuel/Water/Waste: 100%/100%/100%
People on Board: 3
Gear on Board: 765 LBS Includes personnel and test equipment
Test Weight: 13032 LBS

PERFORMANCE:	
Acceleration:	6 Seconds to 20 smph / 9 Seconds to 30 smph
Optimum Cruise Speed:	34.6 mph @ 4500 RPM
Range at Optimum Cruise:	201 Statute Miles

RPM	MPH	Knots	GPH	SMPG	NMPG	dB,A	Trim Angle (degrees)	Estimated Range (Statute Miles)	Estimated Range (Nautical Miles)
600	4.4	3.8	1.3	3.49	3.03	60	0.0	628	546
1000	7.0	6.1	2.5	2.81	2.44	64	0.5	506	439
1500	9.4	8.2	4.5	2.12	1.84	66	1.0	381	331
2000	10.5	9.1	6.7	1.58	1.37	71	2.5	284	247
2500	10.7	9.3	10.5	1.02	0.88	73	4.5	183	159
3000	13.0	11.3	14.0	0.93	0.81	79	5.5	167	145
3500	19.7	17.2	17.8	1.11	0.96	73	6.0	199	173
4000	27.2	23.7	23.9	1.14	0.99	84	6.5	205	178
4500	34.6	30.1	31.0	1.12	0.97	84	4.5	201	175
5000	39.2	34.1	38.3	1.02	0.89	85	4.0	184	160
5500	44.4	38.6	50.8	0.87	0.76	91	4.5	157	137
5861	46.6	40.5	52.4	0.89	0.77	94	4.5	160	139

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.