

# TIARA YACHTS 34 LX

## Twin Mercury V8 Verado 300 JPO



### PERFORMANCE REPORT

Date tested: 6/25/2020 Test Engineer: Chris Caropepe  
Jason Romig

Hull Number: BA020  
Location: Lake Macatawa, Holland MI  
Weather: Wind W 10-15 / Waves <1'  
Water / Air Temp: 69 / 70

Propeller: Mercury Enertia ECO 3-Blade SS 16" x 17 pitch  
Gear & Gear Ratio: 1.85:1  
Fuel Capacity: 200 gallons  
Fuel/Water/Waste: 100%/100%/100%  
People on Board: 2  
Gear on Board: 450 LBS Includes personnel and test equipment  
Test Weight 15080 LBS

PERFORMANCE:	
Acceleration:	11 Seconds to 30 smph
Optimum Cruise Speed:	36.6 mph @ 5000 RPM
Range at Optimum Cruise:	193 Statute Miles

RPM	MPH	Knots	GPH	SMPG	NMPG	dB,A	Trim Angle (degrees)	Estimated Range (Statute Miles)	Estimated Range (Nautical Miles)
600	2.1	1.9	1.3	1.65	1.43	64	0.0	297	258
1000	5.0	4.4	2.4	2.07	1.80	65	-0.3	372	323
1500	7.5	6.5	3.9	1.94	1.68	72	0.1	349	303
2000	9.3	8.0	6.1	1.52	1.32	74	1.0	273	237
2500	10.4	9.0	8.3	1.25	1.08	77	2.7	225	195
3000	11.4	9.9	11.3	1.01	0.88	82	3.7	181	158
3500	14.0	12.1	14.0	1.00	0.87	84	4.6	180	156
4000	18.6	16.1	20.5	0.90	0.79	86	5.2	163	142
4500	28.9	25.1	26.8	1.08	0.94	87	4.0	194	169
5000	36.6	31.8	34.2	1.07	0.93	88	4.3	193	167
5500	42.6	37.0	41.7	1.02	0.89	90	4.1	184	160
6016	47.2	41.0	48.0	0.98	0.85	91	3.8	177	154

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.**