56 LS // Quad Mercury 600 Verado V12 7.6L

Tiara YACHTS

PERFORMANCE REPORT

Date tested:	2/18/25	Test Engineer:	Chris Caropepe
			Josh Koetsier
Hull Number:	KF001		Jason Romig
Location:	Biscayne Bay, Coconut Grove, FL		
Weather:	Sunny/Clear Wind ENE 10 Waves 1' chop		
Water / Air Temp:	75° / 77°		
Propeller:	Verado 27.5		KF001 Mercury
Gear & Gear Ratio:			
Fuel Capacity:	1000 gallons		
Fuel/Water/Waste:	100/100/100		
People on Board:	3		
Gear on Board:	750 lbs	Includes personnel and test equipment	
Weight as tested:	51350 lbs		
Engine Mounting:	Hole 3		

PERFORMANCE:	
Acceleration:	Idle-30mph = 10.1 seconds
Optimum Cruise Speed:	33.6 mph @ 4000 RPM / 44.4 mph @ 5000 RPM
Range at Optimum Cruise:	326 / 313 Statute Miles

RPM	MPH	Knots	GPH	SMPG	NMPG	dB,A	Trim Angle (degrees)	Estimated Range (Statute Miles)	Estimated Range (Nautical Miles)
700	3.8	3.3	5.9	0.65	0.56	53.9	-0.5	582	506
1000	5.1	4.4	8.2	0.62	0.54	52.3	-0.4	561	488
1500	7.8	6.7	11.8	0.66	0.57	50.9	-0.2	594	516
2000	9.9	8.6	20.0	0.49	0.43	53.0	0.1	445	386
2500	11.4	9.9	29.4	0.39	0.34	55.7	1.2	349	303
3000	14.1	12.3	41.4	0.34	0.30	57.9	2.4	307	267
3500	26.9	23.4	57.6	0.47	0.41	66.1	2.9	420	365
4000	33.6	29.2	92.8	0.36	0.31	70.9	2.9	326	283
4500	38.9	33.8	112.5	0.35	0.30	72.70	2.6	312	271
5000	44.4	38.5	127.7	0.35	0.30	73.70	2.7	313	272
5500	50.1	43.6	179.1	0.28	0.24	75.2	2.4	252	219
6000	54.4	47.3	206.5	0.26	0.23	76.4	2.1	237	206
6117	54.3	47.2	207.4	0.26	0.23	76.5	2.2	236	205

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.