

TIARA YACHTS 43 LE

Triple MERCURY Racing™ 450R



PERFORMANCE REPORT

Date tested: 10/4/2020 Test Engineer: Josh Emmick
Scott Nault

Hull Number: SSUBC001G021
Location: Cheseapeake Bay, Annapolis, MD, USA
Weather: Wind N 4 MPH - Clear skies - Seas <1'
Water / Air Temp: 69.1 / 67

Propeller: Mercury REVOLUTION 4 XP - 14.6 x 18-19-18
Gear & Gear Ratio: HD Camber 1.75:1
Fuel Capacity: 400
Fuel/Water/Waste: 100%/100%/100% - No Optional Gyro
People on Board: 2
Gear on Board: 450 LBS Includes personnel and test equipment.
Test Weight 26390 LBS

PERFORMANCE:	
Acceleration:	0-30 =10.0 seconds
Optimum Cruise Speed:	35.0 mph @ 4750 RPM
Range at Optimum Cruise:	215 Statute Miles / 55 GPH

RPM	MPH	Knots	GPH	Statute MPG	Nautical MPG	dB,A	Trim Angle (degrees)	Estimated Range (Statute Miles)	Estimated Range (Nautical Miles)
600	3.0	2.6	2.3	1.30	1.13	57	0.0	467	406
1000	5.9	5.1	4.8	1.23	1.07	60	0.2	444	386
1500	8.5	7.4	8.7	0.98	0.85	66	0.6	351	305
2000	10.7	9.3	14.9	0.72	0.62	70	2.4	258	224
2500	13.2	11.4	21.5	0.61	0.53	74	3.6	221	192
3000	16.8	14.6	29.1	0.58	0.50	75	4.1	207	180
3500	21.4	18.6	39.4	0.54	0.47	78	5.4	195	169
4000	27.1	23.5	44.5	0.61	0.53	80	6.3	219	190
4500	32.6	28.3	53.3	0.61	0.53	82	5.7	220	191
5000	39.6	34.4	69.4	0.57	0.50	84	4.7	205	178
5500	47.7	41.5	87.1	0.55	0.48	86	4.7	197	171
6000	54.3	47.2	118.3	0.46	0.40	86	4.6	165	144
6349	58.5	50.8	135.8	0.43	0.37	86	3.7	155	135

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

*This boat was not equipped with Gyro Option or Bottom Paint.

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.